



# Xledger Web Services

*Integration with Xledger Web Services version 2.0*

Revision 2021-02-15

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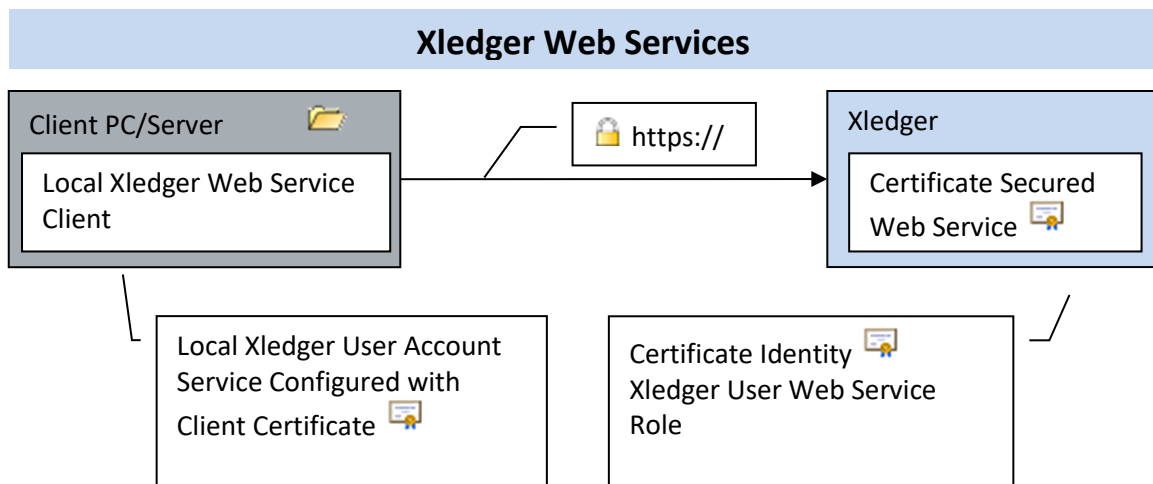
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# 1 Introduction

The Xledger Web Services are a set of Web Methods for interacting programmatically with Xledger. It supports:

- Stateless SOAP (Simple Object Access Protocol) message calls
- WSDL (Web Services Description Language) making it easy to make Client Proxies using e.g. Microsoft Visual Studio .NET.
- The result from the Web Service call is also structured as an XML string – originating from Microsoft .NET Data Sets.
- Secure interaction through the use of Client Certificates.



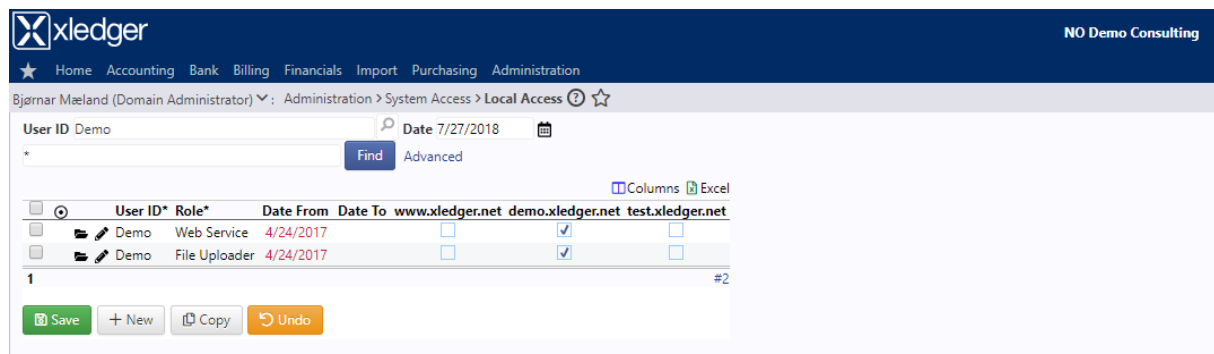
## 2 Preparation

Before using the Xledger Web Services – make sure the following conditions are met:

1. Web Service User is (with Web Service Role) is created in Xledger
2. Minimum System Requirements are met

### 2.1 User account & access

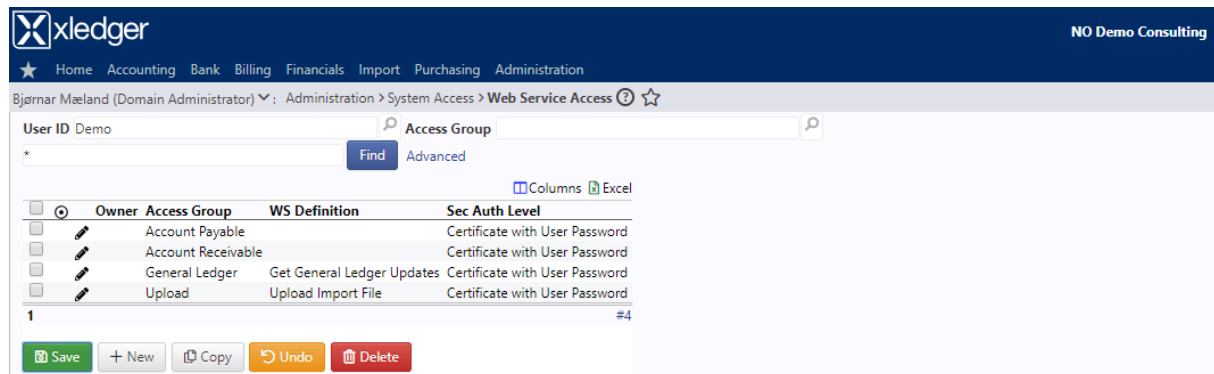
In order to perform Web Service queries, a user account with sufficient access is needed. This can be obtained by contacting an individual with Domain Administrator (or higher) rights in the Xledger GUI. There are two main access roles used in correlation with the SOAP methods – Web Service (for Export methods) and File Uploader (FileUpload Web Services).



The screenshot shows the Xledger GUI interface for configuring local access. The breadcrumb trail is Administration > System Access > Local Access. The user ID is set to 'Demo' and the date is 7/27/2018. A table lists the roles assigned to the user:

User ID*	Role*	Date From	Date To	www.xledger.net	demo.xledger.net	test.xledger.net
Demo	Web Service	4/24/2017		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Demo	File Uploader	4/24/2017		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

In addition, access to specific methods needs to be defined for the same user account. This is done in the **Web Service Access** menu in the Xledger GUI. If only Access Group is defined, the user will be able to use all associated methods. For specifying single methods only, the desired method should be defined in the WS Definition column.



The screenshot shows the Xledger GUI interface for configuring web service access. The breadcrumb trail is Administration > System Access > Web Service Access. The user ID is 'Demo' and the access group is 'Access Group'. A table lists the access groups and their associated WS definitions and security levels:

Owner	Access Group	WS Definition	Sec Auth Level
	Account Payable		Certificate with User Password
	Account Receivable		Certificate with User Password
	General Ledger	Get General Ledger Updates	Certificate with User Password
	Upload	Upload Import File	Certificate with User Password

**We strongly recommend using Certificate-based authentication.**

### 2.2 Minimum System Requirements

IBM compatible PC/Server with one of the following OS and minimal Version for certificate retrieval:

- Windows 2000 Server SP4
- Windows XP SP2 (Professional)
- Windows Server 2003 R2
- Windows Vista SP1 (Business, Enterprise, Ultimate)

- Windows 7
- Windows Server 2008/Windows Server 2008 R2

The PC/Server must have a permanent Internet Connection.

## 2.3 Information about data traffic in Xledger

### 2.3.1 Background and pricing

From Q1 2019, usage of Web Services and the GraphQL API is invoiceable. The primary reason for charging for data traffic is to motivate sensible usage and reduce the amount of unnecessary queries that burden the Xledger application needlessly. This is beneficial for all customers.

By implementing this, we are aligning with major actors such as Microsoft and Amazon. Both have quite extensive price lists for data traffic.

For detailed information about pricing, customers establishing integrations are advised to contact their accounting firm. This information can be relayed to integrating third parties.

On a general level, a certain cost for the customer when querying Xledger is to be expected. Everyone integrating with Xledger will be invoiced a small fixed fee on a monthly basis. For normal use, data volume (MB) and a set amount of queries is included in the price. There is however a potential extra cost linked to the amount of queries and the amount of MB downloaded beyond normal usage.

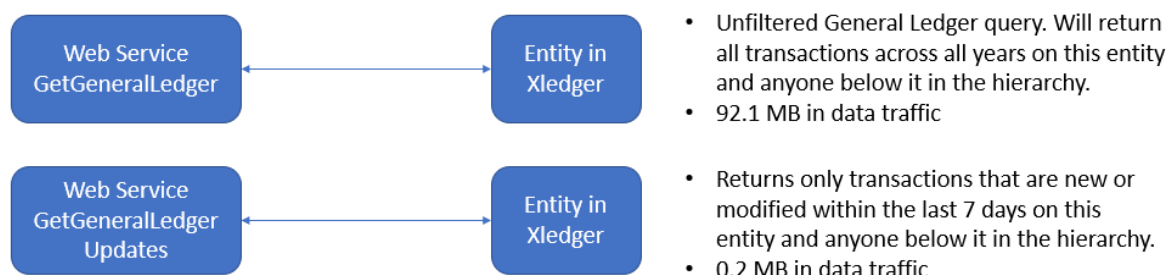
### 2.3.2 Focus on sensible usage of data traffic

The key to achieving sensible data traffic usage is to only ask for either new or changed data, and asking not more often than necessary. Just about all the Web Service and GraphQL queries allows for filtering on modified date. Applying this will allow for only fetching data since the last query, which naturally will return significantly less data than a complete export of the dataset. For General Ledger transactions, we have a dedicated query called GetGeneralLedgerUpdates that we recommend using.

The general recommendation: Aspire to fetch only the data you need and little else.

We acknowledge that for many customers, data traffic is not something that's on the forefront of their minds. As such, a certain level of lenience in the transition period can be expected from our part. It is however important to stress that in the end, the customer is responsible for the data traffic caused by the integrations and the 3<sup>rd</sup> parties that operate them.

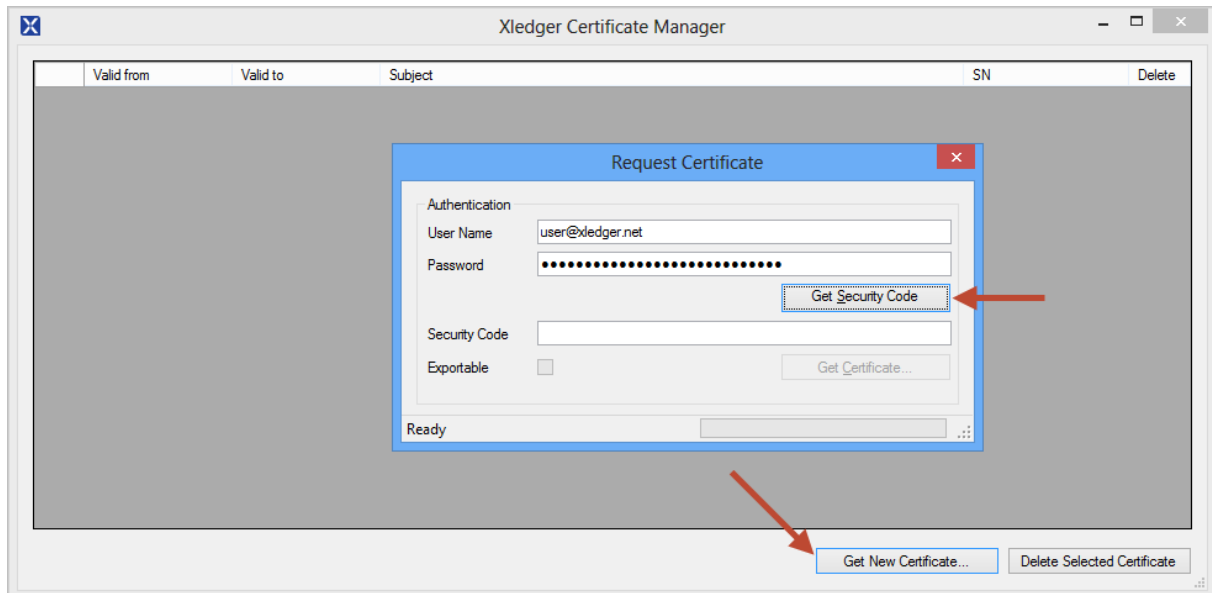
The image below illustrates the volume difference between sub-optimal and sensible querying.



## 2.4 Download the Certificate

Use the Xledger Certificate Manager to acquire a New Certificate. It is currently available from: <https://www.microsoft.com/en-us/p/xledger-certificate-manager/9n0q2h72x5x8?activetab=pivot:overviewtab>

1. Start, All Programs, Xledger, **Xledger Certificate Manager**



2. Select Get New Certificate
3. Type the Xledger Web Service User Name and Password
4. Select Get Security Code (E-mail)
5. Type the Security Code
6. Select Get Certificate and the Certificate should be installed automatically
7. If you need to make the Certificate Exportable (e.g. to another platform) – make sure to check the Exportable check box.

## 3 Export Web Service Test Client

The Web Service Test Client shows how to interact with Xledger Web Services. It is only intended as sample code. The Test Client is supplied as a Microsoft Visual Studio Sample Project written in C#. It demonstrates most of the Web Services and shows how to handle Certificates and Authentication.

The screenshot shows a window titled "WS Test" with a tab for "XLEDGER.NET Authentication". The interface includes a "Certificate" dropdown menu with an expiration date of "28.11.2032 15:58:08". Below this are input fields for "User Name" (johnny.cash@xledger.com), "Password" (masked with asterisks), and "Entity Code" (0000). To the right, the "Application" is set to "XLEDGER" and three endpoints are listed: "Authentication Endpoint" (https://ws.xledger.net/WS/Common/Lib/Authentication.asmx), "Export Endpoint" (https://ws.xledger.net/WS/Common/Lib/Export.asmx), and "Import Endpoint" (https://ws.xledger.net/WS/Common/Lib/Import.asmx). At the bottom, there are fields for "Web Service Method" (Export - GetExchangeRates), "ExchangeTypeID", "Free Text", "Filter" (a complex query: "[CurrencyFromCode] = 'USD' AND [CurrencyToCode] = 'NOK' AND [DateFrom] > '2012-06-01'"), and "DataOption" (Open).

All Export Web Services have GetSchema and GetData Web Methods. The GetSchema methods are used to retrieve the currently available fields with corresponding data types. The GetData methods return the actual data.

### 3.1 Source Code

The Xledger Export Web Services Test Client is available for download both as a binary and full source code here:

- <http://apps.xledger.net/WebServices/XWSTestClient.zip>
- <http://apps.xledger.net/WebServices/XWSTestClientSource.zip>

## 4 Web Service Endpoints

The Export Web Services use the following endpoints:

Authentication	<a href="https://ws.xledger.net/WS/Common/Lib/Authentication.asmx">https://ws.xledger.net/WS/Common/Lib/Authentication.asmx</a>
Export	<a href="https://ws.xledger.net/WS/Common/Lib/Export.asmx">https://ws.xledger.net/WS/Common/Lib/Export.asmx</a>
Import	<a href="https://ws.xledger.net/WS/Common/Lib/Import.asmx">https://ws.xledger.net/WS/Common/Lib/Import.asmx</a>
FileUpload	<a href="https://ws.xledger.net/WS/Common/Lib/FileUpload.asmx">https://ws.xledger.net/WS/Common/Lib/FileUpload.asmx</a>

For our Test environment use these endpoints instead:

Authentication (Test)	<a href="https://wstest.xledger.net/WS/Common/Lib/Authentication.asmx">https://wstest.xledger.net/WS/Common/Lib/Authentication.asmx</a>
Export (Test)	<a href="https://wstest.xledger.net/WS/Common/Lib/Export.asmx">https://wstest.xledger.net/WS/Common/Lib/Export.asmx</a>
Import (Test)	<a href="https://wstest.xledger.net/WS/Common/Lib/Import.asmx">https://wstest.xledger.net/WS/Common/Lib/Import.asmx</a>

FileUpload (Test)	<a href="https://wstest.xledger.net/WS/Common/Lib/FileUpload.asmx">https://wstest.xledger.net/WS/Common/Lib/FileUpload.asmx</a>
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For our Demo environment use these endpoints instead:

Authentication (Demo)	<a href="https://wsdemo.xledger.net/WS/Common/Lib/Authentication.asmx">https://wsdemo.xledger.net/WS/Common/Lib/Authentication.asmx</a>
Export (Demo)	<a href="https://wsdemo.xledger.net/WS/Common/Lib/Export.asmx">https://wsdemo.xledger.net/WS/Common/Lib/Export.asmx</a>
Import (Demo)	<a href="https://wsdemo.xledger.net/WS/Common/Lib/Import.asmx">https://wsdemo.xledger.net/WS/Common/Lib/Import.asmx</a>
FileUpload (Demo)	<a href="https://wsdemo.xledger.net/WS/Common/Lib/FileUpload.asmx">https://wsdemo.xledger.net/WS/Common/Lib/FileUpload.asmx</a>

**Note:** The Application Name should be XLEDGERTEST for accessing our Test Application, and XLEDGERDEMO for the Demo Application.

## 5 Changelog

This section will contain information about revision changes in the documentation.

Date added	Web Service	Event	Change	Comment
2018-07-26	<b>GetSimpleAccountBalance</b>	2018-R1	Rs_account_indicator depreciated.	Use BalanceSheet instead
2018-07-26	<b>GetSalesOrderSimple</b>	2018-R1	Amount_1 depreciated	Use Amount instead
2018-07-26	<b>GetCustomers2</b>	2018-R1	Filters CustomerGroupID & CustomerGroupCode depreciated	Use GroupID & GroupCode instead
2019-02-05	<b>GetPayrollSummary</b> <b>GetSupplierBalances</b> <b>GetWorkflowJournalHeaders</b> <b>GetWorkflowJournalHeadersSimple</b> <b>FileUpload - BudgetImport</b>	Routine update	New SOAP methods documented	Added newly implemented SOAP methods.
2019-05-21	N/A	Change in policy	Added section 2.3: Information about data traffic in Xledger	Added information regarding newly implemented changes w/ data traffic invoicing
2019-07-03	<b>GetBankAccounts</b> <b>GetEBox</b> <b>GetPurchaseOrders</b> <b>GetSalesOrderImage</b> <b>GetSalesTax</b>  <b>Extensive filter update</b>	Routine update	New SOAP methods documented.  Filters updated on all methods.	Added newly implemented SOAP methods.  New and existing methods are updated with latest filter options.
2019-10-29	<b>ReceiveFileIntegrationSource</b>	Routine update	New SOAP method documented.	Added newly implemented SOAP method.

2020-01-28	N/A	New URL	Changed Certificate Manager URL	Xledger Certificate Manager now available on Microsoft Store.
2020-04-22	N/A	Routine update	Minor text changes to documentation.	Small revision to chapter 2.3. Some spelling modifications
2020-06-30	<b>GetGLDimensionLinkValues</b> <b>GetCurrentPaymentApprovers</b> <b>GetCurrentUserRoleAccess</b> <b>GetOpenItemsCustomerHistorical</b> <b>GetSalesOrderDetailsDenormalized</b>	2020-R1	New SOAP methods documented	Added newly implemented SOAP methods.
2021-02-15	<b>GetDebtCollectionItemsWithPropertyInfo</b> <b>GetDebtPaymentItemsWithPropertyInfo</b> <b>GetGraphQLToken</b> <b>GetNewUserRoleAccess</b> <b>GetObjectValuesByKey</b> <b>GetOpenItemsInterimGLHistorical</b> <b>GetPeriodBalance</b>	2020-R2	New SOAP methods documented	Added newly implemented SOAP methods.  Added new filters.

## 6 Export Web Service Methods

The Export Web Service methods are described in detail here.

### 6.1 Get Approval Tasks Summary

This Web Service returns tasks related to approval tasks in the Accounting module.

#### 6.1.1 Get Approval Tasks Summary Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetApprovalTasksSummarySchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.1.2 Get Approval Tasks Summary Data

[WebMethod]

```
public string GetApprovalTasksSummaryData(string sUserName, string sKey, string
sApplication, int iEntityCode, string sUserID, string sMenuGroup, string sRoleCode,
bool bPerOwner, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sUserID</b>	The e-mail address for the user account whose tasks are to be returned
<b>sMenuGroup</b>	The menu group/role the user is to view tasks from. Example values: 1302 – Finance Manager 1303 – Employee 1304 – Accountant
<b>sRoleCode</b>	Used for custom roles. Only used by certain vertical markets (Non-profit, Municipality) and not relevant for majority of users.
<b>bPerOwner</b>	Defines whether or not XML return should be aggregated per entity. Used when extracting data from Group level.
<b>sFilter</b>	Currently not implemented.

## 6.2 Get Bank Accounts

This Web Service Returns Bank Accounts for this Entity.

### 6.2.1 Get Bank Accounts Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetBankAccountsSchema(string sUserName, string sKey, string
sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.2.2 Get Bank Accounts Data

This Web Service returns the actual Bank Disposal matching the Parameters Criteria.

[WebMethod]

```
public string GetBankAccountsData(string sUserName, string sKey, string sApplication,
int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
-----------	-------------

<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1 Closed = 2 All = 3

### 6.2.2.1 Filter

Use any logical combination of these Filter Values.

[FiscalYear] = «2018» AND [PeriodNo] = «6»

Field	Filter Sample
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "Value*"
Description	[Description] = "ABC", [Description] LIKE "Value*"

## 6.3 Get Bank Disposal

This Web Service Returns Bank Disposal for this Entity.

### 6.3.1 Get Bank Disposal Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetBankDisposalSchmea(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.3.2 Get Bank Disposal Data

This Web Service returns the actual Bank Disposal matching the Parameters Criteria.

[WebMethod]

```
public string GetBankDisposalData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.

<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFilter</b>	Currently not implemented.

## 6.4 Get Budget Details

This Web Service returns Budget rows for this Entity.

### 6.4.1 Get Budget Details Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetBudgetDetailsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.4.2 Get Budget Details Data

This Web Service returns the registered budget rows matching the Parameters Criteria.

[WebMethod]

```
public string GetBudgetDetailsData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Currently not implemented.

#### 6.4.2.1 Filter

Use any logical combination of these Filter Values.

[FiscalYear] = «2018» AND [PeriodNo] = «6»

Field	Filter Sample
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
BudgetID	[BudgetID] = "00000000-0000-0000-0000-000000000000"
BudgetKey	[BudgetKey] = "999"
Budget	[Budget] = "ABC"

BudgetCode	[BudgetCode] = "ABC"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountKey	[AccountKey] = "999"
Account	[Account] = "ABC"
AccountCode	[AccountCode] = "ABC"
GLObjectValue1ID	[GLObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1Key	[GLObjectValue1Key] = "999"
GLObjectValue1	[GLObjectValue1] = "ABC"
GLObjectValue1Code	[GLObjectValue1Code] = "ABC"
GLObjectValue2ID	[GLObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue2Key	[GLObjectValue2Key] = "999"
GLObjectValue2	[GLObjectValue2] = "ABC"
GLObjectValue2Code	[GLObjectValue2Code] = "ABC"
GLObjectValue3ID	[GLObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue3Key	[GLObjectValue3Key] = "999"
GLObjectValue3	[GLObjectValue3] = "ABC"
GLObjectValue3Code	[GLObjectValue3Code] = "ABC"
GLObjectValue4ID	[GLObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue4Key	[GLObjectValue4Key] = "999"
GLObjectValue4	[GLObjectValue4] = "ABC"
GLObjectValue4Code	[GLObjectValue4Code] = "ABC"
GLObjectValue5ID	[GLObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue5Key	[GLObjectValue5Key] = "999"
GLObjectValue5	[GLObjectValue5] = "ABC"
GLObjectValue5Code	[GLObjectValue5Code] = "ABC"
XGLID	[XGLID] = "00000000-0000-0000-0000-000000000000"
XGLKey	[XGLKey] = "999"
XGL	[XGL] = "ABC"
XGLCode	[XGLCode] = "ABC"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
ClientKey	[ClientKey] = "999"
Client	[Client] = "ABC"
ClientCode	[ClientCode] = "ABC"
BudgetAmount	[BudgetAmount] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Amount3	[Amount3] (=,>,>=,<,<=,<>) "9.99"
Amount4	[Amount4] (=,>,>=,<,<=,<>) "9.99"
Amount5	[Amount5] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.5 Get Current Payment Approvers

This Web Service returns current payment approvers for this Entity.

### 6.5.1 Get Current Payment Approvers Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetCurrentPaymentApproversSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.5.2 Get Current Payment Approvers Data

This Web Service returns the actual current payment approvers matching the Parameters Criteria.

[WebMethod]

```
public string GetCurrentPaymentApproversData (string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Currently not implemented

## 6.6 Get Current User Role Access

This Web Service returns information about local users role access

### 6.6.1 Get Current User Role Access Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetCurrentUserRoleAccessSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.

<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
---------------------	---

## 6.6.2 Get Current User Role Access Data

This Web Service returns the actual current payment approvers matching the Parameters Criteria.

[WebMethod]

```
public string GetCurrentUserRoleAccessData (string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (see below).
<b>eOption</b>	Open = 1 Closed = 2 All = 3

### 6.6.2.1 Filter

Use any logical combination of these Filter Values.

[FiscalYear] = «2018» AND [PeriodNo] = «6»

Field	Filter Sample
RoleKey	[RoleKey] = "999"
RoleCode	[RoleCode] = "ABC"
UserIDKey	[UserIDKey] = "999"
UserIDCode	[UserIDCode] = "ABC"
DateFrom	[DateFrom] (=,>,>=,<,<=,<>) "2012-12-30"
DateTo	[Dateto] (=,>,>=,<,<=,<>) "2012-12-30"

## 6.7 Get Customer Balances

This Web Service returns Customer Balances for this Entity.

### 6.7.1 Get Customer Balances Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetCustomerBalanceSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.

<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
---------------------	---

## 6.7.2 Get Customer Balances Data

This Web Service returns the actual Customer Balances matching the Parameters Criteria.

[WebMethod]

```
public string GetCustomerBalanceData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (see below).
<b>eOption</b>	Currently not implemented.

### 6.7.2.1 Filter

Use any logical combination of these Filter Values.

[FiscalYear] = «2018» AND [PeriodNo] = «6»

Field	Filter Sample
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
SubledgerID	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
PaymentDate	[PaymentDate] (=,>,>=,<,<=,<>) "2012-12-30"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
ExtIdentifier	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "Value*"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountCode	[AccountCode] = "ABC"
Remaining	[Remaining] (=,>,>=,<,<=,<>) "9.99"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
MatchId	[MatchId] (=,>,>=,<,<=,<>) "999"

InvoiceNo	[InvoiceNo] = "ABC", [InvoiceNo] LIKE "Value*"
SubledgerCode	[SubledgerCode] = "ABC"
TrSourceKey	[TrSourceKey] = "999"
ClientKey	[ClientKey] = "999"
SubledgerKey	[SubledgerKey] = "999"
AccountKey	[AccountKey] = "999"

## 6.8 Get Customer Transactions

This Web Service Returns Customer Transactions for this Entity.

### 6.8.1 Get Customer Transactions Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetGetCustomerTransactionsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.8.2 Get Customer Transactions Data

This Web Service returns the actual Customer Transactions matching the Parameters Criteria.

[WebMethod]

```
public string GetGetCustomerTransactionsData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1 Closed = 2 All = 3

#### 6.8.2.1 Filter

Use any logical combination of these Filter Values.

[FiscalYear] = «2018» AND [PeriodNo] = «6»

Field	Filter Sample
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
SubledgerID	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
PaymentDate	[PaymentDate] (=,>,>=,<,<=,<>) "2012-12-30"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
ExtIdentifier	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "Value*"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountCode	[AccountCode] = "ABC"
Remaining	[Remaining] (=,>,>=,<,<=,<>) "9.99"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
MatchId	[MatchId] (=,>,>=,<,<=,<>) "999"
InvoiceNo	[InvoiceNo] = "ABC", [InvoiceNo] LIKE "Value*"
TransactionID	[TransactionID] (=,>,>=,<,<=,<>) "999"
OwnerCode	[OwnerCode] = "999"
SubledgerCode	[SubledgerCode] = "ABC"
Archive	[Archive] (=,>,>=,<,<=,<>) "999"
TrSourceKey	[TrSourceKey] = "999"
ClientKey	[ClientKey] = "999"
SubledgerKey	[SubledgerKey] = "999"
AccountKey	[AccountKey] = "999"
ServiceTypeCode	[ServiceTypeCode] = "ABC"
ServiceType	[ServiceType] = "ABC"
ServiceTypeKey	[ServiceTypeKey] = "999"

## 6.9 Get Customers

This Web Service returns Customers defined for this and inherited Entities.

### 6.9.1 Get Customer Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetCustomerSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.9.2 Get Customer Data

This Web Service returns the Customers matching the Parameters.

[WebMethod]

```
public string GetCustomerData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.9.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "Value*"
Description	[Description] = "ABC", [Description] LIKE "Value*"
CustomerGroupID	[CustomerGroupID] = "00000000-0000-0000-0000-000000000000"
CustomerGroupKey	[CustomerGroupKey] = "999"
CustomerGroupCode	[CustomerGroupCode] = "ABC"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
CustomerGroupHierarchy	[CustomerGroupHierarchy] = "999"

## 6.10 Get Customers2

This Web Service returns Customers defined for this and inherited Entities.

### 6.10.1 Get Customers2 Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

```
[WebMethod]
public string GetCustomers2Schema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.10.2 Get Customers2 Data

This Web Service returns the Customers matching the Parameters.

```
[WebMethod]
public string GetCustomers2Data (string sUserName, string sKey, string sApplication,
int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.10.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "Value*"
Description	[Description] = "ABC", [Description] LIKE "Value*"
GroupID	[GroupID] = "00000000-0000-0000-0000-000000000000"
GroupKey	[GroupKey] = "999"
GroupCode	[GroupCode] = "ABC"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
SubledgerID	[SubledgerID] = "999"

## 6.11 Get Debt Collection Items

This Web Service will return Debt Collection Items

### 6.11.1 Get Debt Collection Items Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetDebtCollectionItemsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.11.2 Get Debt Collection Items Data

This Web Service returns the Debt Collection Items matching the Parameters.

[WebMethod]

```
public string GetDebtCollectionItemsData(string sUserName, string sKey, string sApplication, int iEntityCode, bool bIncludeFileContent, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>bIncludeFileContent</b>	Include File Content as Base64 when true
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.11.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
SubledgerID	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
ExtIdentifier	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "ABC*"
Remaining	[Remaining] (=,>,>=,<,<=,<>) "9.99"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"

Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Interest	[Interest] (=,>,>=,<,<=,<>) "9.99"
Reminder	[Reminder] (=,>,>=,<,<=,<>) "9.99"
InvoiceNo	[InvoiceNo] = "ABC", [InvoiceNo] LIKE "ABC*"
Subledger	[Subledger] = "ABC"
SubledgerCode	[SubledgerCode] = "ABC"
CaseNo	[CaseNo] (=,>,>=,<,<=,<>) "999"
EntityID	[EntityID] = "00000000-0000-0000-0000-000000000000"
Entity	[Entity] = "ABC"
EntityCode	[EntityCode] = "ABC"
CurrencyCode	[CurrencyCode] = "ABC"
Currency	[Currency] = "ABC"
ID	[Id] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1ID	[GLObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1Code	[GLObjectValue1Code] = "ABC"
GLObjectValue1	[GLObjectValue1] = "ABC"
GLObjectValue2ID	[GLObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue2Code	[GLObjectValue2Code] = "ABC"
GLObjectValue2	[GLObjectValue2] = "ABC"
GLObjectValue3ID	[GLObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue3Code	[GLObjectValue3Code] = "ABC"
GLObjectValue3	[GLObjectValue3] = "ABC"
GLObjectValue4ID	[GLObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue4Code	[GLObjectValue4Code] = "ABC"
GLObjectValue4	[GLObjectValue4] = "ABC"
GLObjectValue5ID	[GLObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue5Code	[GLObjectValue5Code] = "ABC"
GLObjectValue5	[GLObjectValue5] = "ABC"
ClientKey	[ClientKey] = "999"
SubledgerKey	[SubledgerKey] = "999"
EntityKey	[EntityKey] = "999"
Key	[Key] = "999"
GLObjectValue1Key	[GLObjectValue1Key] = "999"
GLObjectValue2Key	[GLObjectValue2Key] = "999"
GLObjectValue3Key	[GLObjectValue3Key] = "999"
GLObjectValue4Key	[GLObjectValue4Key] = "999"
GLObjectValue5Key	[GLObjectValue5Key] = "999"

## 6.12 Get Debt Collection Items With Property Info

This Web Service will return Debt Collection Items with information from the property register when applicable.

### 6.12.1 Get Debt Collection Items With Property Info Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetDebtCollectionItemsWithPropertySchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.12.2 Get Debt Collection Items With Property Info Data

This Web Service returns the Debt Collection Items matching the Parameters.

[WebMethod]

```
public string GetDebtCollectionItemsWithPropertyData(string sUserName, string sKey, string sApplication, int iEntityCode, bool bIncludeFileContent, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>bIncludeFileContent</b>	Include File Content as Base64 when true
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.12.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
SubledgerID	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
ExtIdentifier	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "ABC*"
Remaining	[Remaining] (=,>,>=,<,<=,<>) "9.99"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

Interest	[Interest] (=,>,>=,<,<=,<>) "9.99"
Reminder	[Reminder] (=,>,>=,<,<=,<>) "9.99"
InvoiceNo	[InvoiceNo] = "ABC", [InvoiceNo] LIKE "ABC*"
Subledger	[Subledger] = "ABC"
SubledgerCode	[SubledgerCode] = "ABC"
CaseNo	[CaseNo] (=,>,>=,<,<=,<>) "999"
EntityID	[EntityID] = "00000000-0000-0000-0000-000000000000"
Entity	[Entity] = "ABC"
EntityCode	[EntityCode] = "ABC"
CurrencyCode	[CurrencyCode] = "ABC"
Currency	[Currency] = "ABC"
ID	[Id] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1ID	[GLObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1Code	[GLObjectValue1Code] = "ABC"
GLObjectValue1	[GLObjectValue1] = "ABC"
GLObjectValue2ID	[GLObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue2Code	[GLObjectValue2Code] = "ABC"
GLObjectValue2	[GLObjectValue2] = "ABC"
GLObjectValue3ID	[GLObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue3Code	[GLObjectValue3Code] = "ABC"
GLObjectValue3	[GLObjectValue3] = "ABC"
GLObjectValue4ID	[GLObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue4Code	[GLObjectValue4Code] = "ABC"
GLObjectValue4	[GLObjectValue4] = "ABC"
GLObjectValue5ID	[GLObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue5Code	[GLObjectValue5Code] = "ABC"
GLObjectValue5	[GLObjectValue5] = "ABC"
ClientKey	[ClientKey] = "999"
SubledgerKey	[SubledgerKey] = "999"
EntityKey	[EntityKey] = "999"
Key	[Key] = "999"
GLObjectValue1Key	[GLObjectValue1Key] = "999"
GLObjectValue2Key	[GLObjectValue2Key] = "999"
GLObjectValue3Key	[GLObjectValue3Key] = "999"
GLObjectValue4Key	[GLObjectValue4Key] = "999"
GLObjectValue5Key	[GLObjectValue5Key] = "999"

## 6.13 Get Debt Collection Items Details

This Web Service will return Debt Collection Items Details.

### 6.13.1 Get Debt Collection Items Details Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetDebtCollectionItemDetailsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.13.2 Get Debt Collection Items Details Data

This Web Service returns the Debt Collection Items matching the Parameters.

[WebMethod]

```
public string GetDebtCollectionItemDetailsData(string sUserName, string sKey, string sApplication, int iEntityCode, bool bIncludeFileContent, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>bIncludeFileContent</b>	Include File Content as Base64 when true
<b>sFreeText</b>	Currently not implemented
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.13.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
<b>InvoiceDate</b>	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
<b>ClientID</b>	[ClientID] = "00000000-0000-0000-0000-000000000000"
<b>SubledgerID</b>	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
<b>DueDate</b>	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
<b>ExtIdentifier</b>	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "Value*"
<b>Remaining</b>	[Remaining] (=,>,>=,<,<=,<>) "9.99"
<b>Invoice</b>	[Invoice] (=,>,>=,<,<=,<>) "9.99"
<b>Amount</b>	[Amount] (=,>,>=,<,<=,<>) "9.99"
<b>Created</b>	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
<b>Modified</b>	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
<b>Interest</b>	[Interest] (=,>,>=,<,<=,<>) "9.99"
<b>Reminder</b>	[Reminder] (=,>,>=,<,<=,<>) "9.99"
<b>InvoiceNo</b>	[InvoiceNo] = "ABC", [InvoiceNo] LIKE "Value*"
<b>Subledger</b>	[Subledger] = "ABC"
<b>SubledgerCode</b>	[SubledgerCode] = "ABC"

CaseNo	[CaseNo] (=,>,>=,<,<=,<>) "999"
EntityID	[EntityID] = "00000000-0000-0000-0000-000000000000"
Entity	[Entity] = "ABC"
EntityCode	[EntityCode] = "ABC"
Currency	[Currency] = "ABC"
CurrencyCode	[CurrencyCode] = "ABC"
Id	[Id] = "00000000-0000-0000-0000-000000000000"
GObjectValue1ID	[GObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
GObjectValue1Code	[GObjectValue1Code] = "ABC"
GObjectValue1	[GObjectValue1] = "ABC"
GObjectValue2ID	[GObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
GObjectValue2Code	[GObjectValue2Code] = "ABC"
GObjectValue2	[GObjectValue2] = "ABC"
GObjectValue3ID	[GObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
GObjectValue3Code	[GObjectValue3Code] = "ABC"
GObjectValue3	[GObjectValue3] = "ABC"
GObjectValue4ID	[GObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
GObjectValue4Code	[GObjectValue4Code] = "ABC"
GObjectValue4	[GObjectValue4] = "ABC"
GObjectValue5ID	[GObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
GObjectValue5Code	[GObjectValue5Code] = "ABC"
GObjectValue5	[GObjectValue5] = "ABC"
ClientKey	[ClientKey] = "999"
SubledgerKey	[SubledgerKey] = "999"
EntityKey	[EntityKey] = "999"
Key	[Key] = "999"
GObjectValue1Key	[GObjectValue1Key] = "999"
GObjectValue2Key	[GObjectValue2Key] = "999"
GObjectValue3Key	[GObjectValue3Key] = "999"
GObjectValue4Key	[GObjectValue4Key] = "999"
GObjectValue5Key	[GObjectValue5Key] = "999"

## 6.14 Get Debt Payment Items

This Web Service will return Debt Payment Items

### 6.14.1 Get Debt Payment Items Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetDebtPaymentItemsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
-----------	-------------

<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.14.2 Get Debt Payment Items Data

This Web Service returns the Debt Payment Items matching the Parameters.

[WebMethod]

```
public string GetDebtPaymentItemsData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.14.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
<b>InvoiceDate</b>	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
<b>ClientID</b>	[ClientID] = "00000000-0000-0000-0000-000000000000"
<b>SubledgerID</b>	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
<b>DueDate</b>	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
<b>ExtIdentifier</b>	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "Value*"
<b>Remaining</b>	[Remaining] (=,>,>=,<,<=,<>) "9.99"
<b>Invoice</b>	[Invoice] (=,>,>=,<,<=,<>) "9.99"
<b>Amount</b>	[Amount] (=,>,>=,<,<=,<>) "9.99"
<b>Created</b>	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
<b>Modified</b>	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
<b>Interest</b>	[Interest] (=,>,>=,<,<=,<>) "9.99"
<b>Reminder</b>	[Reminder] (=,>,>=,<,<=,<>) "9.99"
<b>InvoiceNo</b>	[InvoiceNo] = "ABC", [InvoiceNo] LIKE "Value*"
<b>Subledger</b>	[Subledger] = "ABC"
<b>SubledgerCode</b>	[SubledgerCode] = "ABC"
<b>CaseNo</b>	[CaseNo] (=,>,>=,<,<=,<>) "999"
<b>EntityID</b>	[EntityID] = "00000000-0000-0000-0000-000000000000"
<b>Entity</b>	[Entity] = "ABC"
<b>EntityCode</b>	[EntityCode] = "ABC"
<b>Currency</b>	[Currency] = "ABC"

<b>CurrencyCode</b>	[CurrencyCode] = "ABC"
<b>Id</b>	[Id] = "00000000-0000-0000-0000-000000000000"
<b>GObjectValue1ID</b>	[GObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
<b>GObjectValue1Code</b>	[GObjectValue1Code] = "ABC"
<b>GObjectValue1</b>	[GObjectValue1] = "ABC"
<b>GObjectValue2ID</b>	[GObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
<b>GObjectValue2Code</b>	[GObjectValue2Code] = "ABC"
<b>GObjectValue2</b>	[GObjectValue2] = "ABC"
<b>GObjectValue3ID</b>	[GObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
<b>GObjectValue3Code</b>	[GObjectValue3Code] = "ABC"
<b>GObjectValue3</b>	[GObjectValue3] = "ABC"
<b>GObjectValue4ID</b>	[GObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
<b>GObjectValue4Code</b>	[GObjectValue4Code] = "ABC"
<b>GObjectValue4</b>	[GObjectValue4] = "ABC"
<b>GObjectValue5ID</b>	[GObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
<b>GObjectValue5Code</b>	[GObjectValue5Code] = "ABC"
<b>GObjectValue5</b>	[GObjectValue5] = "ABC"
<b>ClientKey</b>	[ClientKey] = "999"
<b>SubledgerKey</b>	[SubledgerKey] = "999"
<b>EntityKey</b>	[EntityKey] = "999"
<b>Key</b>	[Key] = "999"
<b>GObjectValue1Key</b>	[GObjectValue1Key] = "999"
<b>GObjectValue2Key</b>	[GObjectValue2Key] = "999"
<b>GObjectValue3Key</b>	[GObjectValue3Key] = "999"
<b>GObjectValue4Key</b>	[GObjectValue4Key] = "999"
<b>GObjectValue5Key</b>	[GObjectValue5Key] = "999"

## 6.15 Get Debt Payment Items With Property Info

This Web Service will return Debt Payment Items with information from the property register when applicable.

### 6.15.1 Get Debt Payment Items Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetDebtPaymentItemsWithPropertySchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.15.2 Get Debt Payment Items Data

This Web Service returns the Debt Payment Items matching the Parameters.

```
[WebMethod]
public string GetDebtPaymentItemsWithPropertyData(string sUserName, string sKey,
string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption
eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.15.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
<b>InvoiceDate</b>	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
<b>ClientID</b>	[ClientID] = "00000000-0000-0000-0000-000000000000"
<b>SubledgerID</b>	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
<b>DueDate</b>	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
<b>ExtIdentifier</b>	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "Value*"
<b>Remaining</b>	[Remaining] (=,>,>=,<,<=,<>) "9.99"
<b>Invoice</b>	[Invoice] (=,>,>=,<,<=,<>) "9.99"
<b>Amount</b>	[Amount] (=,>,>=,<,<=,<>) "9.99"
<b>Created</b>	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
<b>Modified</b>	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
<b>Interest</b>	[Interest] (=,>,>=,<,<=,<>) "9.99"
<b>Reminder</b>	[Reminder] (=,>,>=,<,<=,<>) "9.99"
<b>InvoiceNo</b>	[InvoiceNo] = "ABC", [InvoiceNo] LIKE "Value*"
<b>Subledger</b>	[Subledger] = "ABC"
<b>SubledgerCode</b>	[SubledgerCode] = "ABC"
<b>CaseNo</b>	[CaseNo] (=,>,>=,<,<=,<>) "999"
<b>EntityID</b>	[EntityID] = "00000000-0000-0000-0000-000000000000"
<b>Entity</b>	[Entity] = "ABC"
<b>EntityCode</b>	[EntityCode] = "ABC"
<b>Currency</b>	[Currency] = "ABC"
<b>CurrencyCode</b>	[CurrencyCode] = "ABC"
<b>Id</b>	[Id] = "00000000-0000-0000-0000-000000000000"
<b>GLObjectValue1ID</b>	[GLObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
<b>GLObjectValue1Code</b>	[GLObjectValue1Code] = "ABC"

<b>GLObjectValue1</b>	[GLObjectValue1] = "ABC"
<b>GLObjectValue2ID</b>	[GLObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
<b>GLObjectValue2Code</b>	[GLObjectValue2Code] = "ABC"
<b>GLObjectValue2</b>	[GLObjectValue2] = "ABC"
<b>GLObjectValue3ID</b>	[GLObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
<b>GLObjectValue3Code</b>	[GLObjectValue3Code] = "ABC"
<b>GLObjectValue3</b>	[GLObjectValue3] = "ABC"
<b>GLObjectValue4ID</b>	[GLObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
<b>GLObjectValue4Code</b>	[GLObjectValue4Code] = "ABC"
<b>GLObjectValue4</b>	[GLObjectValue4] = "ABC"
<b>GLObjectValue5ID</b>	[GLObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
<b>GLObjectValue5Code</b>	[GLObjectValue5Code] = "ABC"
<b>GLObjectValue5</b>	[GLObjectValue5] = "ABC"
<b>ClientKey</b>	[ClientKey] = "999"
<b>SubledgerKey</b>	[SubledgerKey] = "999"
<b>EntityKey</b>	[EntityKey] = "999"
<b>Key</b>	[Key] = "999"
<b>GLObjectValue1Key</b>	[GLObjectValue1Key] = "999"
<b>GLObjectValue2Key</b>	[GLObjectValue2Key] = "999"
<b>GLObjectValue3Key</b>	[GLObjectValue3Key] = "999"
<b>GLObjectValue4Key</b>	[GLObjectValue4Key] = "999"
<b>GLObjectValue5Key</b>	[GLObjectValue5Key] = "999"

## 6.16 Get EBox

This Web Service returns EBox Information.

### 6.16.1 Get EBox Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetEBoxSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.16.2 Get EBox Data

This Web Service returns the EBox entries matching the Parameters Criteria.

[WebMethod]

```
public string GetEBoxData(string sUserName, string sKey, string sApplication, int iEntityCode, DateTime dDateFrom, DateTime dDateTo string sFreeText, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See Below).
<b>dDateFrom</b>	From-date value.
<b>dDateTo</b>	To-date value.

### 6.16.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
JobOrder	[JobOrder] (=,>,>=,<,<=,<>) "999"
CommandKey	[CommandKey] (=,>,>=,<,<=,<>) "999"

## 6.17 Get Employee Balances

This Web Service returns Employee Balances for this entity.

### 6.17.1 Get Employee Balances Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetEmployeeBalanceSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.17.2 Get Employee Balances Data

This Web Service returns the actual Customer Balances matching the Parameters Criteria.

[WebMethod]

```
public string GetEmployeeBalanceData(string sUserName, string sKey, string sApplication, int iEntityCode, int FiscalYear, int iPeriodFrom, int iPeriodTo, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>FiscalYear</b>	The Fiscal Year.
<b>iPeriodFrom</b>	Starting period to return balances from.
<b>iPeriodTo</b>	Ending period to return balances from.
<b>sFreeText</b>	Free Text Search.
<b>sFilter</b>	Filter (see below).
<b>eOption</b>	Currently not implemented.

### 6.17.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
ID	[ID] = «999»

## 6.18 Get Employee Details

This Web Service returns Employee Details defined for this entity.

### 6.18.1 Get Employee Details Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetEmployeeDetailsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.18.2 Get Employee Details Data

This Web Service returns the actual Employee Positions matching the Parameters Criteria.

[WebMethod]

```
public string GetEmployeeDetailsData (string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See Below).
<b>eOption</b>	1 = Open

	2 = Closed 3 = All
--	-----------------------

### 6.18.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
SocialSecurityNo	[SocialSecurityNo] = "ABC"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.19 Get Employee Positions

This Web Service returns Employee Positions defined for this entity.

### 6.19.1 Get Employee Positions Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetEmployeePositionSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.19.2 Get Employee Positions Data

This Web Service returns the actual Employee Positions matching the Parameters Criteria.

[WebMethod]

```
public string GetEmployeePositionData(string sUserName, string sKey, string sApplication, int iEntityCode, int FiscalYear, int iPeriodFrom, int iPeriodTo, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>FiscalYear</b>	The Fiscal Year.
<b>iPeriodFrom</b>	Starting period to return balances from.

<b>iPeriodTo</b>	Ending period to return balances from.
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See Below).
<b>eOption</b>	1 = Open 2 = Closed 3 = All

### 6.19.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Employee	[Employee] (=,>,>=,<,<=,<>) "999"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.20 Get Employees

This Web Service returns Employees defined for this entity.

### 6.20.1 Get Employees Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetEmployeeSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.20.2 Get Employees Data

This Web Service returns the actual Employees matching the Parameters Criteria.

[WebMethod]

```
public string GetEmployeeData(string sUserName, string sKey, string sApplication, int iEntityCode, DateTime dDateFrom, DateTime dDateTo, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section

<b>dDateFrom</b>	Employee From-date value.
<b>dDateTo</b>	Employee To-date value.
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See Below).
<b>eOption</b>	1 = Open 2 = Closed 3 = All

### 6.20.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	Code] = "ABC", [Code] LIKE "ABC*"
SocialSecurityNo	[SocialSecurityNo] = "ABC"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.21 Get Entities

This Web Service returns Entities defined for this entity.

### 6.21.1 Get Entities Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]  
`public string GetEntitiesSchema(string sUserName, string sKey, string sApplication)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.21.2 Get Entities Data

This Web Service returns the actual Entities matching the Parameters Criteria.

[WebMethod]  
`public string GetEntitiesData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section

<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See Below).
<b>eOption</b>	1 = Open 2 = Closed 3 = All

### 6.21.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
CompanyNo	[CompanyNo] = "ABC", [CompanyNo] LIKE "ABC*"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC", [Description] LIKE "ABC*"
Created	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
ClientFrom	[ClientFrom] (=,>,>=,<,<=,<>) "2012-12-30"
ClientTo	[ClientTo] (=,>,>=,<,<=,<>) "2012-12-30"

## 6.22 Get Exchange Rates

This Web Service returns Exchange Rates defined for this and inherited Entities.

### 6.22.1 Get Exchange Rates Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetExchangeRateSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.22.2 Get Exchange Rates Data

This Web Service returns the Exchange Rates Data for the Parameters.

[WebMethod]

```
public string GetExchangeRateData(string sUserName, string sKey, string sApplication, int iEntityCode, string sExchangeTypeID, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.

<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sExchangeTypeID</b>	The Exchange Type ID. See Object Values. Uses the System Setup Value when Blank.
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.22.2.1 Filter

Use any logical combination of these Filter Values.

[CurrencyFromCode] = "USD" AND [CurrencyToCode] = "NOK" AND [DateFrom] > "2012-11-30"

Field	Filter Sample
CurrencyFromCode	[CurrencyFromCode] = "ABC"
CurrencyToCode	[CurrencyToCode] = "ABC"
DateFrom	[DateFrom] (=,>,>=,<,<=,<>) "2012-12-30"
DateTo	[DateTo] (=,>,>=,<,<=,<>) "2012-12-30"

## 6.23 Get File Imports

This Web Service Returns the File Imports for this Entity.

### 6.23.1 Get File Imports Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetGetFileImportsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.23.2 Get File Imports Data

This Web Service returns the actual File Imports matching the Parameters Criteria.

[WebMethod]

```
public string GetFileImportsData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name

<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1 Closed = 2 All = 3

### 6.23.2.1 Filter

Use any logical combination of these Filter Values.

[ImportDefinitionCode] = "GL10" AND [Created] > "2013-01-14"

Field	Filter Sample
ImportDefinitionCode	[ImportDefinitionCode] = "ABC"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.24 Get Financial Ratio

This Web Service Returns Financial Ratio for this Entity.

### 6.24.1 Get Financial Ratio Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetFinancialRatioSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.24.2 Get Bank Disposal Data

This Web Service returns the actual Bank Disposal matching the Parameters Criteria.

[WebMethod]

```
public string GetFinancialRatioData (string sUserName, string sKey, string sApplication, int iEntityCode, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section

<b>sFilter</b>	Currently not implemented.
----------------	----------------------------

## 6.25 Get General Ledger

This Web Service returns General Ledger transactions on this and inherited Entities.

### 6.25.1 Get General Ledger Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]  
`public string GetGeneralLedgerSchema(string sUserName, string sKey, string sApplication)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.25.2 Get General Ledger Data

This Web Service returns the actual General Ledger transactions matching the Parameters Criteria.

[WebMethod]  
`public string GetGeneralLedgerData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.25.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"

AccountCode	[AccountCode] = "ABC"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
MatchID	[MatchID] (=,>,>=,<,<=,<>) "999"
TransactionID	[TransactionID] (=,>,>=,<,<=,<>) "999"
OwnerCode	[OwnerCode] = "999"
TaxAmount	[TaxAmount] (=,>,>=,<,<=,<>) "9.99"
GLObjectValue1ID	[GLObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1Code	[GLObjectValue1Code] = "ABC"
GLObjectValue1	[GLObjectValue1] = "ABC"
GLObjectValue2ID	[GLObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue2Code	[GLObjectValue2Code] = "ABC"
GLObjectValue2	[GLObjectValue2] = "ABC"
XGLID	[XGLID] = "00000000-0000-0000-0000-000000000000"
XGL	[XGL] = "ABC"
XGLCode	[XGLCode] = "ABC"
PeriodNoExclude	[PeriodNoExclude] = "999"
AccountCodeExclude	[AccountCodeExclude] = "ABC"
GLObjectValue3ID	[GLObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue3Code	[GLObjectValue3Code] = "ABC"
GLObjectValue3	[GLObjectValue3] = "ABC"
GLObjectValue4ID	[GLObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue4Code	[GLObjectValue4Code] = "ABC"
GLObjectValue4	[GLObjectValue4] = "ABC"
GLObjectValue5ID	[GLObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue5Code	[GLObjectValue5Code] = "ABC"
GLObjectValue5	[GLObjectValue5] = "ABC"
Quantity	[Quantity] (=,>,>=,<,<=,<>) "9.99"
Number	[Number] (=,>,>=,<,<=,<>) "999"
Archive	[Archive] (=,>,>=,<,<=,<>) "999"
TrSourceKey	[TrSourceKey] = "999"
ClientKey	[ClientKey] = "999"
AccountKey	[AccountKey] = "999"
GLObjectValue1Key	[GLObjectValue1Key] = "999"
GLObjectValue2Key	[GLObjectValue2Key] = "999"

XGLKey	[XGLKey] = "999"
GLObjectValue3Key	[GLObjectValue3Key] = "999"
GLObjectValue4Key	[GLObjectValue4Key] = "999"
GLObjectValue5Key	[GLObjectValue5Key] = "999"

## 6.26 Get General Ledger Balance

This Web Service returns General Ledger balance postings on this and inherited Entities.

### 6.26.1 Get General Ledger Balance Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetGeneralLedgerBalanceSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.26.2 Get General Ledger Balance Data

This Web Service returns the actual General Ledger transactions matching the Parameters Criteria.

[WebMethod]

```
public string GetGeneralLedgerBalanceData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.26.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"

PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountCode	[AccountCode] = "ABC"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
TaxAmount	[TaxAmount] (=,>,>=,<,<=,<>) "9.99"
MatchID	[MatchID] (=,>,>=,<,<=,<>) "999"
TransactionID	[TransactionID] (=,>,>=,<,<=,<>) "999"
OwnerCode	[OwnerCode] = "999"
GLObjectValue1ID	[GLObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1Code	[GLObjectValue1Code] = "ABC"
GLObjectValue1	[GLObjectValue1] = "ABC"
GLObjectValue2ID	[GLObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue2Code	[GLObjectValue2Code] = "ABC"
GLObjectValue2	[GLObjectValue2] = "ABC"
XGLID	[XGLID] = "00000000-0000-0000-0000-000000000000"
XGL	[XGL] = "ABC"
XGLCode	[XGLCode] = "ABC"
PeriodNoExclude	[PeriodNoExclude] = "999"
AccountCodeExclude	[AccountCodeExclude] = "ABC"
GLObjectValue3ID	[GLObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue3Code	[GLObjectValue3Code] = "ABC"
GLObjectValue3	[GLObjectValue3] = "ABC"
GLObjectValue4ID	[GLObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue4Code	[GLObjectValue4Code] = "ABC"
GLObjectValue4	[GLObjectValue4] = "ABC"
GLObjectValue5ID	[GLObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue5Code	[GLObjectValue5Code] = "ABC"
GLObjectValue5	[GLObjectValue5] = "ABC"
TrSourceKey	[TrSourceKey] = "999"
ClientKey	[ClientKey] = "999"
AccountKey	[AccountKey] = "999"
GLObjectValue1Key	[GLObjectValue1Key] = "999"

GLObjectValue2Key	[GLObjectValue2Key] = "999"
XGLKey	[XGLKey] = "999"
GLObjectValue3Key	[GLObjectValue3Key] = "999"
GLObjectValue4Key	[GLObjectValue4Key] = "999"
GLObjectValue5Key	[GLObjectValue5Key] = "999"

## 6.27 Get General Ledger Profit and Loss

This Web Service returns General Ledger Profit and Loss postings on this and inherited Entities.

### 6.27.1 Get General Ledger Profit and Loss Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetGeneralLedgerProfitAndLossSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.27.2 Get General Ledger Profit and Loss Data

This Web Service returns the actual General Ledger transactions matching the Parameters Criteria.

[WebMethod]

```
public string GetGeneralLedgerProfitAndLossData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.27.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"

PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountCode	[AccountCode] = "ABC"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
TaxAmount	[TaxAmount] (=,>,>=,<,<=,<>) "9.99"
MatchID	[MatchID] (=,>,>=,<,<=,<>) "999"
TransactionID	[TransactionID] (=,>,>=,<,<=,<>) "999"
OwnerCode	[OwnerCode] = "999"
GLObjectValue1ID	[GLObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1Code	[GLObjectValue1Code] = "ABC"
GLObjectValue1	[GLObjectValue1] = "ABC"
GLObjectValue2ID	[GLObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue2Code	[GLObjectValue2Code] = "ABC"
GLObjectValue2	[GLObjectValue2] = "ABC"
XGLID	[XGLID] = "00000000-0000-0000-0000-000000000000"
XGL	[XGL] = "ABC"
XGLCode	[XGLCode] = "ABC"
PeriodNoExclude	[PeriodNoExclude] = "999"
AccountCodeExclude	[AccountCodeExclude] = "ABC"
GLObjectValue3ID	[GLObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue3Code	[GLObjectValue3Code] = "ABC"
GLObjectValue3	[GLObjectValue3] = "ABC"
GLObjectValue4ID	[GLObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue4Code	[GLObjectValue4Code] = "ABC"
GLObjectValue4	[GLObjectValue4] = "ABC"
GLObjectValue5ID	[GLObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue5Code	[GLObjectValue5Code] = "ABC"
GLObjectValue5	[GLObjectValue5] = "ABC"
TrSourceKey	[TrSourceKey] = "999"
ClientKey	[ClientKey] = "999"
AccountKey	[AccountKey] = "999"
GLObjectValue1Key	[GLObjectValue1Key] = "999"

GLObjectValue2Key	[GLObjectValue2Key] = "999"
XGLKey	[XGLKey] = "999"
GLObjectValue3Key	[GLObjectValue3Key] = "999"
GLObjectValue4Key	[GLObjectValue4Key] = "999"
GLObjectValue5Key	[GLObjectValue5Key] = "999"

## 6.28 Get General Ledger Updates

This Web Service returns GL transactions created or modified in the course of the last week.

### 6.28.1 Get General Ledger Updates Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

```
[WebMethod]
public string GetGeneralLedgerUpdatesSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.28.2 Get General Ledger Updates Data

This Web Service returns the actual recent General Ledger transactions matching the Parameters Criteria.

```
[WebMethod]
public string GetGeneralLedgerUpdatesData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.28.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"

PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountCode	[AccountCode] = "ABC"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
OwnerCode	[OwnerCode] = "999"
GLObjectValue1ID	[GLObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1Code	[GLObjectValue1Code] = "ABC"
GLObjectValue1	[GLObjectValue1] = "ABC"
GLObjectValue2ID	[GLObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue2Code	[GLObjectValue2Code] = "ABC"
GLObjectValue2	[GLObjectValue2] = "ABC"
GLObjectValue3ID	[GLObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue3Code	[GLObjectValue3Code] = "ABC"
GLObjectValue3	[GLObjectValue3] = "ABC"
GLObjectValue4ID	[GLObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue4Code	[GLObjectValue4Code] = "ABC"
GLObjectValue4	[GLObjectValue4] = "ABC"
GLObjectValue5ID	[GLObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue5Code	[GLObjectValue5Code] = "ABC"
GLObjectValue5	[GLObjectValue5] = "ABC"
XGLID	[XGLID] = "00000000-0000-0000-0000-000000000000"
XGLCode	[XGLCode] = "ABC"
XGL	[XGL] = "ABC"
PeriodNoExclude	[PeriodNoExclude] = "999"
AccountCodeExclude	[AccountCodeExclude] = "ABC"
TrSourceKey	[TrSourceKey] = "999"
ClientKey	[ClientKey] = "999"
AccountKey	[AccountKey] = "999"
GLObjectValue1Key	[GLObjectValue1Key] = "999"
GLObjectValue2Key	[GLObjectValue2Key] = "999"
GLObjectValue3Key	[GLObjectValue3Key] = "999"
GLObjectValue4Key	[GLObjectValue4Key] = "999"
GLObjectValue5Key	[GLObjectValue5Key] = "999"

XGLKey	[XGLKey] = "999"
--------	------------------

## 6.29 Get GL Dimension Link Values

This Web Service Method will return GL Dimension Link Values.

### 6.29.1 Get GL Dimension Link Values Schema

This Web Service Method returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

```
[WebMethod]
public string GetGetGLLinkValuesSchema (string sUserName, string sKey, string
sApplication)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.29.2 Get Journal Headers Data

This Web Service returns the Debt Collection Items matching the Parameters.

```
[WebMethod]
public string GetGLLinkValuesData (string sUserName, string sKey, string sApplication,
int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
iEntityCode	The Entity Code for the actual Entity. See the Preparation section
sFreeText	Free Text Search for Code and Description
sFilter	Filter (See below)
eOption	Open = 1, Closed = 2, All = 3

#### 6.29.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
GLLinkKey	[GLLinkKey] = "999"

## 6.30 Get GraphQL Token

This Web Service method is custom-made for one specific integration partner to be used in conjunction with the GraphQL interface. It can be ignored.

## 6.31 Get Journal Headers

This Web Service Method will return Journal Headers.

### 6.31.1 Get Journal Headers Schema

This Web Service Method returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetJournalHeadersSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.31.2 Get Journal Headers Data

This Web Service returns the Debt Collection Items matching the Parameters.

[WebMethod]

```
public string GetJournalHeadersData (string sUserName, string sKey, string sApplication, int iEntityCode, bool bIncludeFileContent, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>bIncludeFileContent</b>	Include File Content as Base64 when true
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.31.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
Archive	[Archive] (=,>,>=,<,<=,<>) "999"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
TrSourceKey	[TrSourceKey] = "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
PeriodCode	[PeriodCode] = "ABC"

Period	[Period] = "ABC"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
Text	[Text] (=,>,>=,<,<=,<>) "ABC"
RegNo	[RegNo] (=,>,>=,<,<=,<>) "999"
Registered	[Registered] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrProcessLevelID	[TrProcessLevelID] (=,>,>=,<,<=,<>) "999"

## 6.32 Get Link Values

This Web Services returns Link Values defined in the Entity hierarchy.

### 6.32.1 Get Link Values Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]  
`public string GetLinkValuesSchema(string sUserName, string sKey, string sApplication)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.32.2 Get Link Values Data

This Web Service returns the actual Project Access Imports matching the Parameters Criteria.

`public string GetLinkValuesData(string sUserName, string sKey, string sApplication, int iEntityCode, bool bExpand, string sFreeText, string sFilter, DataOption eOption)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>bExpand</b>	Expand additional data. Currently not implemented.
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.32.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
Link	[Link] = «ABC»
LinkCode	[LinkCode] = «ABC»
LinkID	[LinkID] = "00000000-0000-0000-0000-000000000000"
LinkKey	[LinkKey] = "999"

## 6.33 Get Link Values by Project Access

This Web Service returns Link Values by Project Access defined for this and inherited Entities.

### 6.33.1 Get Link Values by Project Access Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetLinkValuesByProjectAccessSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.33.2 Get Link Values by Project Access Data

This Web Service returns the actual Project Access Imports matching the Parameters Criteria.

```
public string GetLinkValuesByProjectAccessData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
iEntityCode	The Entity Code for the actual Entity. See the Preparation section
sFreeText	Free Text Search for Code and Description
sFilter	Filter. Currently not implemented.
eOption	Open = 1, Closed = 2, All = 3

## 6.34 Get New Users

This Web Service return New Users

### 6.34.1 Get New Users Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetNewUsersSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.34.2 Get New Users Data

This Web Service returns New Users matching the Parameters Criteria.

[WebMethod]

```
public string GetNewUsersData(string sUserName, string sKey, string sApplication, int iEntityCode, DateTime dDateFrom, DateTime dDateTo, string sFreeText, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>dDateFrom</b>	Search criteria. Date Interval From. Not affected when value is '1900-01-01'
<b>dDateTo</b>	Search criteria. Date Interval To. Not affected when value is '1900-01-01'
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter. Currently not implemented.

## 6.35 Get New User Role Access

This Web Service returns New Users' role access.

### 6.35.1 Get New Users Role Access Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetNewUserRoleAccessSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.35.2 Get New Users Role Access Data

This Web Service returns New Users matching the Parameters Criteria.

[WebMethod]

```
public string GetNewUserRoleAccessData (string sUserName, string sKey, string sApplication, int iEntityCode, DateTime dDateFrom, DateTime dDateTo, string sFreeText, string sFilter)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
iEntityCode	The Entity Code for the actual Entity. See the Preparation section
dDateFrom	Search criteria. Date Interval From. Not affected when value is '1900-01-01'
dDateTo	Search criteria. Date Interval To. Not affected when value is '1900-01-01'
sFreeText	Free Text Search. Currently not implemented.
sFilter	Filter. See below.

### 6.35.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
RoleKey	[RoleKey] = "999"
RoleCode	[RoleCode] = "ABC"
UserIDKey	[UserIDKey] = "999"
UserIDCode	[UserIDCode] = "ABC"
DateFrom	[DateFrom] (=,>,>=,<,<=,<>) "2012-12-30"
DateTo	[DateTo] (=,>,>=,<,<=,<>) "2012-12-30"

## 6.36 Get Objects

This Web Service returns a Subset of the Object Definitions for this and inherited Entities. You will need this for Adding and Querying Object Values. The <Key> value in the returned dataset can be used on GetObjectValuesData and GetObjectValuesByKeyData.

### 6.36.1 Get Objects Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetObjectsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.36.2 Get Objects Data

This Web Service returns the Objects matching the Parameters.

[WebMethod]

```
public string GetObjectsData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Currently not implemented.
<b>eOption</b>	Open = 1, Closed = 2, All = 3

## 6.37 Get Object Values

This Web Service returns a Subset of the Object Values for this and inherited Entities.

### 6.37.1 Get Object Values Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetObjectValuesSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.37.2 Get Object Values Data

This Web Service returns the Objects matching the Parameters.

[WebMethod]

```
public string GetObjectValuesData(string sUserName, string sKey, string sApplication, int iEntityCode, string sObjectID, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.

<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sObjectID</b>	The Key to the object kind to be queried. See the Get Objects Method.
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.37.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC", [Description] LIKE "ABC*"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
AllowPosting	[AllowPosting] = "Value"

## 6.38 Get Object Values By Key

This Web Service returns a Subset of the Object Values for this and inherited Entities. It's identical with GetObjectValues with the exception that the input parameter is the object key instead of an object ID<sup>1</sup>.

### 6.38.1 Get Object Values By Key Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetObjectValuesByKeySchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.38.2 Get Object Values Data

This Web Service returns the Objects matching the Parameters.

[WebMethod]

<sup>1</sup> The GetObjectValuesData sObjectID also allows for using Key values as input parameter.

```
public string GetObjectValuesByKeyData(string sUserName, string sKey, string
sApplication, int iEntityCode, string sObjectID, string sFreeText, string sFilter,
DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sKey</b>	The Key to the object kind to be queried. See the Get Objects Method
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.38.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC", [Description] LIKE "ABC*"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
AllowPosting	[AllowPosting] = "Value"

## 6.39 Get Object Values Customers

This Web Service returns the values of Customer Objects matching the Parameters for this entity.

### 6.39.1 Get Object Values Customers Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetObjectValuesCustomersSchema(string sUserName, string sKey, string
sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.39.2 Get Object Values Customers Data

This Web Service returns the Object Values matching the Parameters.

[WebMethod]

```
public string GetObjectValuesCustomersData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (see below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.39.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC", [Description] LIKE "ABC*"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.40 Get Object Values Suppliers

This Web Service returns the values of Supplier Objects matching the Parameters for this entity.

### 6.40.1 Get Object Values Suppliers Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetObjectValuesSuppliersSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.40.2 Get Object Values Suppliers Data

This Web Service returns the Object values matching the Parameters.

[WebMethod]

```
public string GetObjectValuesSuppliersData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Currently not implemented.
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.40.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC", [Description] LIKE "ABC*"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.41 Get Open Items AP Aging

This Web Service Returns Open Items AP Aging (Supplier) posts for this Entity.

### 6.41.1 Get Open Items AP Aging Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetOpenItemsAPagingSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.41.2 Get Open Items AP Aging Data

This Web Service returns the actual Open Items AR (Customer) posts matching the Parameters Criteria.

[WebMethod]

```
public string GetOpenItemsAPagingData(string sUserName, string sKey, string sApplication, int iEntityCode, string ClientID, string SubledgerID, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sClientID</b>	Filter on Client. Will return unfiltered search if ClientID is not found
<b>sSubledgerID</b>	Filter on Subledger. Will return unfiltered search if SubledgerID is not found
<b>sFilter</b>	Currently not implemented.

## 6.42 Get Open Items AR

This Web Service Returns Open Items AR (Customer) posts for this Entity.

### 6.42.1 Get Open Items AR Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetOpenItemsARSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.42.2 Get Open Items AR Data

This Web Service returns the actual Open Items AR (Customer) posts matching the Parameters Criteria.

[WebMethod]

```
public string GetOpenItemsARData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section

<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.42.2.1 Filter

Use any logical combination of these Filter Values:

[FiscalYear] = «2018» AND [PeriodNo] = «6»

Field	Filter Sample
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
SubledgerID	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
PaymentDate	[PaymentDate] (=,>,>=,<,<=,<>) "2012-12-30"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
ExtIdentifier	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "Value*"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountCode	[AccountCode] = "ABC"
Remaining	[Remaining] (=,>,>=,<,<=,<>) "9.99"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
TransactionID	[TransactionID] (=,>,>=,<,<=,<>) "999"
OwnerCode	[OwnerCode] = "999"
SubledgerCode	[SubledgerCode] = "ABC"
TrSourceKey	[TrSourceKey] = "999"
ClientKey	[ClientKey] = "999"
SubledgerKey	[SubledgerKey] = "999"
AccountKey	[AccountKey] = "999"

## 6.43 Get Open Items AR Aging

This Web Service Returns Open Items AR Aging (Customer) posts for this Entity.

### 6.43.1 Get Open Items AR Aging Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetOpenItemsARagingSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.43.2 Get Open Items AR Aging Data

This Web Service returns the actual Open Items AR (Customer) posts matching the Parameters Criteria.

[WebMethod]

```
public string GetOpenItemsARagingData (string sUserName, string sKey, string sApplication, int iEntityCode, string ClientID, string SubledgerID, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sClientID</b>	Filter on Client. Will return unfiltered search if ClientID is not found
<b>sSubledgerID</b>	Filter on Subledger. Will return unfiltered search if SubledgerID is not found
<b>sFilter</b>	Currently not implemented.

## 6.44 Get Open Items Customers Historical

This Web Service Returns Open AR Items at a set point in time for this Entity.

### 6.44.1 Get Open Items Customers Historical Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetOpenItemsCustomersHistoricalSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.44.2 Get Open Items Customers Historical Data

This Web Service returns the actual historical open items (Customer) posts matching the Parameters Criteria.

[WebMethod]

```
public string GetOpenItemsCustomersHistoricalData(string sUserName, string sKey,
string sApplication, int iEntityCode, int iFiscalYear, int iFiscalPeriod,
string sFreeText, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>iFiscalYear</b>	The Fiscal Year of which data will be returned from. Used in combination with iFiscalPeriod.
<b>iFiscalPeriod</b>	The Fiscal Period of which data will be returned from. Used in combination with iFiscalYear.
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See Below).

### 6.44.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
SubledgerCode	[SubledgerCode] = "ABC"
SubledgerKey	[SubledgerKey] = "999"
Subledger	[Subledger] = "ABC"
AccountKey	[AccountKey] = "999"
AccountCode	[AccountCode] = "ABC"
Account	[Account] = "ABC"

## 6.45 Get Open Items DG

This Web Service Returns Open Items DR (Donations and Gifts) posts for this Entity.

### 6.45.1 Get Open Items DG Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetOpenItemsDGSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.45.2 Get Open Items DG Data

This Web Service returns the actual Open Items DG (Donations and Gifts) posts matching the Parameters Criteria.

[WebMethod]

```
public string GetOpenItemsDGData(string sUserName, string sKey, string sApplication, int iEntityCode, string ClientID, string SubledgerID, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.45.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
SubledgerID	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
PaymentDate	[PaymentDate] (=,>,>=,<,<=,<>) "2012-12-30"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
ExtIdentifier	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "Value*"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountCode	[AccountCode] = "ABC"
Remaining	[Remaining] (=,>,>=,<,<=,<>) "9.99"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
TransactionID	[TransactionID] (=,>,>=,<,<=,<>) "999"
OwnerCode	[OwnerCode] = "999"
TrSourceKey	[TrSourceKey] = "999"
ClientKey	[ClientKey] = "999"

SubledgerKey	[SubledgerKey] = "999"
AccountKey	[AccountKey] = "999"

## 6.46 Get Open Items Interim GL Historical

This Web Service returns historical open interim gl Items at a set point in time for this Entity.

### 6.46.1 Get Open Items Interim GL Historical Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetOpenItemsInterimGLHistoricalSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.46.2 Get Open Items Interim GL Historical Data

This Web Service returns the actual historical open items (Customer) posts matching the Parameters Criteria.

[WebMethod]

```
public string GetOpenItemsInterimGLHistoricalData(string sUserName, string sKey, string sApplication, int iEntityCode, int iFiscalYear, int iFiscalPeriod, string sFreeText, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>isFiscalYear</b>	The Fiscal Year of which data will be returned from. Used in combination with iFiscalPeriod.
<b>itFiscalPeriod</b>	The Fiscal Period of which data will be returned from. Used in combination with iFiscalYear.
<b>rPeriod</b>	The period from which data will be returned from.
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Currently not implemented.

## 6.47 Get Open Items Suppliers Historical

This Web Service Returns Open AP Items at a set point in time for this Entity.

### 6.47.1 Get Open Items Suppliers Historical Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetOpenItemsSuppliersHistoricalSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.47.2 Get Open Items Suppliers Historical Data

This Web Service returns the actual historical open items (Customer) posts matching the Parameters Criteria.

[WebMethod]

```
public string GetOpenItemsSuppliersHistoricalData(string sUserName, string sKey, string sApplication, int iEntityCode, int iFiscalYear, int iFiscalPeriod, string sFreeText, string sFilter)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
iEntityCode	The Entity Code for the actual Entity. See the Preparation section
isFiscalYear	The Fiscal Year of which data will be returned from. Used in combination with itFiscalPeriod.
itFiscalPeriod	The Fiscal Period of which data will be returned from. Used in combination with isFiscalYear.
sFreeText	Free Text Search for Code and Description
sFilter	Filter (See Below).

### 6.47.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
SubledgerCode	[SubledgerCode] = "ABC"
SubledgerKey	[SubledgerKey] = "999"
Subledger	[Subledger] = "ABC"
AccountKey	[AccountKey] = "999"
AccountCode	[AccountCode] = "ABC"
Account	[Account] = "ABC"

## 6.48 Get Order Details

This Web Service returns Order Details defined for this and inherited Entities. **Note: The same schema is used by import format LG06.**

## 6.48.1 Get Order Details Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetOrderDetailsSchema(string sUserName, string sKey, string Application)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.48.2 Get Order Details Data

This Web Service returns the actual Order Details matching the Parameters Criteria.

[WebMethod]

```
public string GetOrderDetailsData(string sUserName, string sKey, string sApplication,
int iEntityCode, DateTime dDateFrom, DateTime dDateTo, string sFreeText, string
sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>dDateFrom</b>	Search criteria. Date Interval From. Not affected when value is '1900-01-01'
<b>dDateTo</b>	Search criteria. Date Interval To. Not affected when value is '1900-01-01'
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1 Closed = 2 All = 3

### 6.48.2.1 Filter

Use any logical combination of these Filter Values:

Field	Filter Sample
OrderNo	[OrderNo] (=,>,>=,<,<=,<>) "999"
CustomerKey	[CustomerKey] = "999"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
AnyChangesAfter	[AnyChangesAfter] = "2012-12-30 15:30:00"

## 6.49 Get Payment Approvers

This Web Service return Payment Approvers

### 6.49.1 Get Payment Approvers Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetPaymentApproversSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.49.2 Get Payment Approvers Data

This Web Service returns the Payment Approvers matching the Parameters Criteria.

[WebMethod]

```
public string GetPaymentApproversData(string sUserName, string sKey, string sApplication, int iEntityCode, DateTime dDateFrom, DateTime dDateTo, string sFreeText, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>dDateFrom</b>	Search criteria. Date Interval From. Not affected when value is '1900-01-01'
<b>dDateTo</b>	Search criteria. Date Interval To. Not affected when value is '1900-01-01'
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter. Currently not implemented.

## 6.50 Get Payroll Rates Simple

This Web Service returns an overview of the Payroll Rates defined for this entity.

### 6.50.1 Get Payroll Rates Simple Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetPayrollRatesSimpleSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.50.2 Get Payroll Rates Simple Data

This Web Service returns the actual Payroll Rates matching the Parameters Criteria.

[WebMethod]

```
public string GetPayrollRatesSimpleData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
iEntityCode	The Entity Code for the actual Entity. See the Preparation section
sFreeText	Free Text Search. Currently not implemented.
sFilter	Filter (See Below).

### 6.50.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
RateElementID	[RateElementID] = "00000000-0000-0000-0000-000000000000"
RateElementKey	[RateElementKey] = "999"
EmployeeID	[EmployeeID] = "00000000-0000-0000-0000-000000000000"
EmployeeKey	[EmployeeKey] = "999"
PositionID	[PositionID] = "00000000-0000-0000-0000-000000000000"
PositionKey	[PositionKey] = "999"
DateFrom	[DateFrom] (=,>,>=,<,<=,<>) "2012-12-30"
DateTo	[DateTo] (=,>,>=,<,<=,<>) "2012-12-30"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.51 Get Payroll Summary

This Web Service returns an aggregated overview of payroll information.

### 6.51.1 Get Payroll Summary Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetPayrollSummarySchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.51.2 Get Payroll Summary Data

This Web Service returns the actual Payroll Rates matching the Parameters Criteria.

[WebMethod]

```
public string GetPayrollSummaryData(string sUserName, string sKey, string
sApplication, int iEntityCode, DateTime dDateFrom, DateTime dDateTo, string sFreeText,
string sFilter, string sEmployeeID, string sPD, string sAccount, bool bPaymentPeriod,
bool bShowEmployee, bool bShowEmployeeID, bool bShowPosition, bool bShowPD, bool
bShowAccount, bool bShowGLAnalysis, bool bShowProposal, bool bShowSequences, bool
bShowGenerated)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See Below).
<b>sEmployeeID</b>	Allows for Employee filtering based on input. Code, GUID, or description are all valid options.
<b>sPD</b>	Allows for PD filtering based on input. Code, GUID, or description are all valid options.
<b>sAccount</b>	Allows for Account filtering based on input. Code, GUID, or description are all valid options.
<b>bPaymentPeriod</b>	Show payment period when true
<b>bShowEmployee</b>	Show employee information when true
<b>bShowEmployeeID</b>	Currently not in use.
<b>bShowPosition</b>	Currently not in use.
<b>bShowPD</b>	Show PD information when true
<b>bShowAccount</b>	Show account information when true
<b>bShowGLAnalysis</b>	Show GL Analysis when true. Currently not implemented.
<b>bShowProposal</b>	Show whether or not row has proposal status when true
<b>bShowSequences</b>	Show sequence information when true. Currently not implemented.
<b>bShowGenerated</b>	Show whether generated or not when true. Currently not implemented.

#### 6.51.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
OwnerCode	[OwnerCode] = "999"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountKey	[AccountKey] = "999"
Account	[Account] = "ABC"
AccountCode	[AccountCode] = "ABC"
EmployeeID	[EmployeeID] = "00000000-0000-0000-0000-000000000000"
EmployeeKey	[EmployeeKey] = "999"
Employee	[Employee] = "ABC"
EmployeeCode	[EmployeeCode] = "ABC"

PDID	[PDID] = "00000000-0000-0000-0000-000000000000"
PDKey	[PDKey] = "999"
PD	[PD] = "ABC"
PDCode	[PDCode] = "ABC"
EmployeeList	[EmployeeList] = "ABC"

## 6.52 Get Period Balance Balance

This Web Service returns summarized account (string) balances on a periodical level.

### 6.52.1 Get Period Balance Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetPeriodBalanceSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.52.2 Get Period Balance Data

This Web Service returns the Projects matching the Parameters.

[WebMethod]

```
public string GetPeriodBalanceData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
iEntityCode	The Entity Code for the actual Entity. See the Preparation section
sFreeText	Free Text Search for Code and Description
sFilter	Filter (See below)
eOption	Open = 1, Closed = 2, All = 3

#### 6.52.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"

SystemAccountCode	[SystemAccountCode] = "ABC"
BalanceSheet	[[BalanceSheet] (=,>,>=,<,<=,<>) "Value"

## 6.53 Get Price Lists

This Web Service returns Price Lists defined for this and inherited Entities.

### 6.53.1 Get Price Lists Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetPriceListSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.53.2 Get Price Lists Data

This Web Service returns the actual Price Lists matching the Parameters Criteria.

[WebMethod]

```
public string GetPriceListData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.53.2.1 Filter

Use any logical combination of these Filter Values:

Field	Filter Sample
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"

## 6.54 Get Products

This Web Service returns Products defined for this and inherited Entities.

### 6.54.1 Get Product Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetProductSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.54.2 Get Product Data

This Web Service returns the Products matching the Parameters.

[WebMethod]

```
public string GetProductData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.54.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC", [Description] LIKE "ABC*"
ProductGroupID	[ProductGroupID] = "00000000-0000-0000-0000-000000000000"
ProductGroupKey	[ProductGroupKey] = "999"
ProductGroupCode	[ProductGroupCode] = "ABC"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.55 Get Project Summary

This Web Service returns Project Summary defined for this and lower Entities.

### 6.55.1 Get Project Summary Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetProjectSummarySchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.55.2 Get Project Summary Data

This Web Service returns the Project Summary.

[WebMethod]

```
public string GetProjectSummaryData(string sUserName, string sKey, string sApplication, int iEntityCode, long lPMPProjectFilter, long lPMQryInvoiceFilter, long lPMFieldFlag, DateTime dDateFrom, DateTime dDateTo, bool bShowProjectGroup, bool bShowProjectManager, bool bShowProject, bool bShowSLId, bool bShowGLObject1, bool bShowGLObject2, bool ShowRGL, bool bShowHours, bool bShowPlanning, bool bShowHoursMargin, bool bShowExpenseLedger, bool bShowPurchase, bool bShowInvoiceTypes, bool bShowInvoicing, bool bShowEstimate, bool bShowCompletion, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>IPMProjectFilter</b>	31701 - External projects 31702 - Invoiceable projects 31703 - Internal projects
<b>IPMQryInvoiceFilter</b>	34801 - Accrued Hours Income 34802 - Accrued Invoice Base 34803 - Accrued Invoicing
<b>IPMFieldFlag</b>	23802 - Project Posting
<b>dDateFrom</b>	Search criteria. Date Interval From. Not affected when value is '1900-01-01'
<b>dDateTo</b>	Search criteria. Date Interval To. Not affected when value is '1900-01-01'
<b>bShowProjectGroup</b>	Show Project Group Column when true

<b>bShowProjectManager</b>	Show Project Manager Column when true
<b>bShowProject</b>	Show Project Column when true
<b>bShowSubledger</b>	Show Subledger Column when true
<b>bShowGLObject1</b>	Show GL Object 1 Column when true
<b>bShowGLObject2</b>	Show GL Object 2 Column when true
<b>bShowXGL</b>	Show XGL Column when true
<b>bShowHours</b>	Show Hours Column when true
<b>bShowPlanning</b>	Show Planning Column when true
<b>bShowHoursMargin</b>	Show Hours Margin Column when true
<b>bShowExpenseLedger</b>	Show Expense Ledger Column when true
<b>bShowPurchase</b>	Show Purchase Column when true
<b>bShowInvoiceTypes</b>	Show Invoice Types Column when true
<b>bShowInvoicing</b>	Show Invoicing Column when true
<b>bShowEstimate</b>	Show Estimate Column when true
<b>bShowCompletion</b>	Show Completion Column when true
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (Se below)
<b>eOption</b>	Currently not implemented

#### 6.55.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC", [Description] LIKE "ABC*"
ProjectGroupID	[ProjectGroupID] = "00000000-0000-0000-0000-000000000000"
ProjectGroupKey	[ProjectGroupKey] = "999"
ProjectGroupCode	[ProjectGroupCode] = "ABC"
ProjectManagerID	[ProjectManagerID] = "00000000-0000-0000-0000-000000000000"
ProjectManagerKey	[ProjectManagerKey] = "999"
ProjectManagerCode	[ProjectManagerCode] = "ABC"
CustomerID	[CustomerID] = "00000000-0000-0000-0000-000000000000"
CustomerKey	[CustomerKey] = "999"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.56 Get Projects

This Web Service returns Projects defined for this and inherited Entities.

### 6.56.1 Get Project Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetProjectSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.56.2 Get Project Data

This Web Service returns the Projects matching the Parameters.

[WebMethod]

```
public string GetProjectData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.56.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "Value*"
Description	[Description] = "ABC", [Description] LIKE "Value*"
ProjectGroupID	[ProjectGroupID] = "00000000-0000-0000-0000-000000000000"
ProjectGroupKey	[ProjectGroupKey] = "999"
ProjectGroupCode	[ProjectGroupCode] = "ABC"
ProjectManagerID	[ProjectManagerID] = "00000000-0000-0000-0000-000000000000"
ProjectManagerKey	[ProjectManagerKey] = "999"
ProjectManagerCode	[ProjectManagerCode] = "ABC"
CustomerID	[CustomerID] = "00000000-0000-0000-0000-000000000000"
CustomerKey	[CustomerKey] = "999"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
----------	---

## 6.57 Get Purchase Order Details

This Web Service returns Purchase Orders /w detail rows. **Note: The same schema is used in import format LG11.**

### 6.57.1 Get Purchase Order Details Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string PurchaseOrderDetailsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.57.2 Get Purchase Orders Details Data

This Web Service returns the Timesheet Entries Data matching the Parameters.

[WebMethod]

```
public string GetPurchaseOrderDetailsData (string sUserName, string sKey, string sApplication, int iEntityCode, DateTime dDateFrom, DateTime dDateTo, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
iEntityCode	The Entity Code for the actual Entity. See the Preparation section
dDateFrom	Search criteria. Date Interval From. Not affected when value is '1900-01-01'
dDateTo	Search criteria. Date Interval To. Not affected when value is '1900-01-01'
sFreeText	Free Text Search. Currently not implemented.
sFilter	Filter (See below)
eOption	Open = 1 Closed = 2 All = 3

#### 6.57.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
OrderNo	[OrderNo] (=,>,>=,<,<=,<>) "999"
SupplierID	[SupplierID] = "00000000-0000-0000-0000-000000000000"

SupplierKey	[SupplierKey] = "999"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
AnyChangesAfter	[AnyChangesAfter] = "2012-12-30 15:30:00"

## 6.58 Get Sales Order Details

This Web Service returns Sales Orders with Order Lines for this Entity.

### 6.58.1 Get Sales Order Details Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]  
 public string GetSalesOrderDetailsSchema(string sUserName, string sKey, string sApplication)

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.58.2 Get Sales Order Details Data

This Web Service returns the Sales Order Details Data matching the Parameters.

[WebMethod]  
 public string GetSalesOrderDetailsData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
iEntityCode	The Entity Code for the actual Entity. See the Preparation section
sFreeText	Free Text Search for Code and Description
sFilter	Filter (See below)
eOption	Open = 1, Closed = 2, All = 3

#### 6.58.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
OrderNo	[OrderNo] (=,>,>=,<,<=,<>) "999"
InvoiceNo	[InvoiceNo] (=,>,>=,<,<=,<>) "999"
CustomerID	[CustomerID] = "00000000-0000-0000-0000-000000000000"
CustomerKey	[CustomerKey] = "999"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
----------	---

## 6.59 Get Sales Order Details Denormalized

This Web Service returns sales order details in a denormalized manner.

### 6.59.1 Get Sales Order Details Denormalized Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetSalesOrderDetailsDenormalizedSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.59.2 Get Sales Order Details Denormalized Data

This Web Service returns the actual Sales Orders matching the Parameters Criteria.

[WebMethod]

```
public string GetSalesOrderDetailsDenormalizedData (string sUserName, string sKey, string sApplication, int iEntityCode, long lOrderNoFrom, long lOrderNoTo, long lInvoiceNoFrom, long lInvoiceNoTo, DateTime dInvoiceDateFrom, DateTime dInvoiceDateTo, string sExtSysOrderNo, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>lOrderNoFrom</b>	Search criteria. Order No Interval From. Not affected when value is 0
<b>lOrderNoTo</b>	Search criteria. Order No Interval To. Not affected when value is 0
<b>lInvoiceNoFrom</b>	Search criteria. Invoice No Interval From. Not affected when value is 0
<b>lInvoiceNoTo</b>	Search criteria. Invoice No Interval To. Not affected when value is 0
<b>dInvoiceDateFrom</b>	Search criteria. Invoice Date Interval From. Not affected when value is '1900-01-01'
<b>dInvoiceDateTo</b>	Search criteria. Invoice Date Interval To. Not affected when value is '1900-01-01'
<b>sExtSysOrderNo</b>	Search criteria. External System Order No.
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter. Currently not implemented.
<b>eOption</b>	Open = 1 (DRAFT, READY_TO_INVOICE) Closed = 2 (PROCESSING, INVOICED, POSTED_INVOICE, CANCELLED, VOID)

	All = 3
--	---------

### 6.59.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
Key	[Key] = "999"
OrderNo	[OrderNo] (=,>,>=,<,<=,<>) "999"
InvoiceNo	[InvoiceNo] (=,>,>=,<,<=,<>) "999"
CustomerKey	[CustomerKey] = "999"
OrderLevelCode	[OrderLevelCode] (=,>,>=,<,<=,<>) "999"
OrderTypeCode	[OrderTypeCode] (=,>,>=,<,<=,<>) "999"
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.60 Get Sales Orders

This Web Service Returns Sales Orders for this Entity.

### 6.60.1 Get Sales Order Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetSalesOrdersSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.60.2 Get Sales Order Data

This Web Service returns the actual Sales Orders matching the Parameters Criteria.

[WebMethod]

```
public string GetSalesOrdersData(string sUserName, string sKey, string sApplication, int iEntityCode, long lOrderNoFrom, long lOrderNoTo, long lInvoiceNoFrom, long lInvoiceNoTo, DateTime dInvoiceDateFrom, DateTime dInvoiceDateTo, string sExtSysOrderNo, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>IOrderNoFrom</b>	Search criteria. Order No Interval From. Not affected when value is 0
<b>IOrderNoTo</b>	Search criteria. Order No Interval To. Not affected when value is 0
<b>IInvoiceNoFrom</b>	Search criteria. Invoice No Interval From. Not affected when value is 0
<b>IInvoiceNoTo</b>	Search criteria. Invoice No Interval To. Not affected when value is 0
<b>dInvoiceDateFrom</b>	Search criteria. Invoice Date Interval From. Not affected when value is '1900-01-01'
<b>dInvoiceDateTo</b>	Search criteria. Invoice Date Interval To. Not affected when value is '1900-01-01'
<b>sExtSysOrderNo</b>	Search criteria. External System Order No.
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter. Currently not implemented.
<b>eOption</b>	Open = 1 (DRAFT, READY_TO_INVOICE) Closed = 2 (PROCESSING, INVOICED, POSTED_INVOICE, CANCELLED, VOID) All = 3

### 6.60.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
OrderNo	[OrderNo] (=,>,>=,<,<=,<>) "999"
InvoiceNo	[InvoiceNo] (=,>,>=,<,<=,<>) "999"
OrderLevelCode	[OrderLevelCode] (=,>,>=,<,<=,<>) "999"
OrderTypeCode	[OrderTypeCode] (=,>,>=,<,<=,<>) "999"
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.61 Get Sales Orders Image

This Web Service Returns Sales Orders' images for this Entity. The image is returned in base64 encoding.

### 6.61.1 Get Sales Orders Image Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetSalesOrdersImageSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.

<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
---------------------	---

## 6.61.2 Get Sales Orders Simple Data

This Web Service returns the actual Sales Orders Images matching the Parameters Criteria.

[WebMethod]

```
public string GetSalesOrdersImageData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)

### 6.61.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
Key	[Key] = "999"
OrderNo	[OrderNo] (=,>,>=,<,<=,<>) "999"
InvoiceNo	[InvoiceNo] (=,>,>=,<,<=,<>) "999"
ComapnyNo	[ComapnyNo] = "999"

## 6.62 Get Sales Orders Simple

This Web Service Returns Sales Orders for this Entity.

### 6.62.1 Get Sales Orders Simple Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetSalesOrdersSimpleSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.62.2 Get Sales Orders Simple Data

This Web Service returns the actual Sales Orders Simple matching the Parameters Criteria.

[WebMethod]

```
public string GetSalesOrdersSimpleData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1 (DRAFT, READY_TO_INVOICE) Closed = 2 (PROCESSING, INVOICED, POSTED_INVOICE, CANCELLED, VOID) All = 3

### 6.62.2.1 Filter

Use any logical combination of these Filter Values.

```
[InvoiceDate] > "2012-12-30" AND ((([OrderNo] >= "1001" AND [OrderNo] <= "1010") OR ([OrderNo] >= "2001" AND [OrderNo] <= "2010")))
```

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
OrderNo	[OrderNo] (=,>,>=,<,<=,<>) "999"
InvoiceNo	[InvoiceNo] (=,>,>=,<,<=,<>) "999"
OrderLevelCode	[OrderLevelCode] (=,>,>=,<,<=,<>) "999"
OrderTypeCode	[OrderTypeCode] (=,>,>=,<,<=,<>) "999"
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.63 Get Sales Tax

This Web Service Returns Sales Tax for this Entity.

### 6.63.1 Get Sales Tax Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetSalesTaxSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name

<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.63.2 Get Sales Tax Data

This Web Service returns the Sales Tax Data matching the Parameters.

[WebMethod]

```
public string GetSalesTaxData (string sUserName, string sKey, string sApplication,
DateTime dFrom, DateTime dTo)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>dFrom</b>	Date From
<b>dTo</b>	Date To

## 6.64 Get Simple Account Balance

This Web Service returns summarized account balance on System Account level.

### 6.64.1 Get Simple Account Balance Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetSimpleAccountBalanceSchema(string sUserName, string sKey, string
sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.64.2 Get Simple Account Balance Data

This Web Service returns the Projects matching the Parameters.

[WebMethod]

```
public string GetSimpleAccountBalanceData(string sUserName, string sKey, string
sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description

sFilter	Filter (See below)
eOption	Open = 1, Closed = 2, All = 3

### 6.64.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
AccountIndicatorID	[AccountIndicatorID] (=,>,>=,<,<=,<>) "999"
SystemAccountCode	[SystemAccountCode] = "ABC"

## 6.65 Get SO Details

This Web Service returns SO Detail rows.

### 6.65.1 Get SO Details Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetSODetailsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.65.2 Get SO Details Data

This Web Service returns the Projects matching the Parameters.

[WebMethod]

```
public string GetSODetailsData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
sUserName	The Xledger Web Service User Name
sKey	The Xledger Web Service Authentication Key. See sample code.
sApplication	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
iEntityCode	The Entity Code for the actual Entity. See the Preparation section
sFreeText	Free Text Search for Code and Description
sFilter	Filter (See below)
eOption	Open = 1, Closed = 2, All = 3

### 6.65.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
TransactionDate	[TransactionDate] (=,>,>=,<,<=,<>) "2012-12-30"
CustomerID	[CustomerID] = "00000000-0000-0000-0000-000000000000"
CustomerCode	[CustomerCode] = "ABC"
Customer	[Customer] = "ABC"
ProjectID	[ProjectID] = "00000000-0000-0000-0000-000000000000"
ProjectCode	[ProjectCode] = "ABC"
Project	[Project] = "ABC"
ProductID	[ProductID] = "00000000-0000-0000-0000-000000000000"
ProductCode	[ProductCode] = "ABC"
Product	[Product] = "ABC"
CustomerKey	[CustomerKey] = "999"
ProjectKey	[ProjectKey] = "999"
ProductKey	[ProductKey] = "999"

## 6.66 Get Suppliers

This Web Service returns the Suppliers defined on this Entity (including those inherited from entities higher in the hierarchy).

### 6.66.1 Get Suppliers Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]  
`public string GetSuppliersSchema(string sUserName, string sKey, string sApplication)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.66.2 Get Suppliers Data

This Web Service returns the Projects matching the Parameters.

[WebMethod]  
`public string GetSuppliersData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.

<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.66.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC", [Description] LIKE "ABC*"
SupplierGroupID	[SupplierGroupID] = "00000000-0000-0000-0000-000000000000"
SupplierGroupKey	[SupplierGroupKey] = "999"
SupplierGroupCode	[SupplierGroupCode] = "ABC"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
ExtBankAccount	[ExtBankAccount] = "ABC"
PayMethodKey	[PayMethodKey] = "999"
PayMethodID	[PayMethodID] = "00000000-0000-0000-0000-000000000000"
PayMethodCode	[PayMethodCode] = "ABC"

## 6.67 Get Supplier Balance

This Web Service returns balance per supplier. Balance is an aggregated value comprised of open supplier transactions.

### 6.67.1 Get Supplier Balance Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetSupplierBalanceSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.67.2 Get Supplier Balance Data

This Web Service returns the Projects matching the Parameters.

[WebMethod]

```
public string GetSupplierBalanceData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.67.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
OwnerCode	[OwnerCode] = "999"
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
TrSourceKey	[TrSourceKey] = "999"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
Client	[Client] = "ABC"
ClientCode	[ClientCode] = "ABC"
ClientKey	[ClientKey] = "999"
SubledgerID	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
Subledger	[Subledger] = "ABC"
SubledgerCode	[SubledgerCode] = "ABC"
SubledgerKey	[SubledgerKey] = "999"
PaymentDate	[PaymentDate] (=,>,>=,<,<=,<>) "2012-12-30"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
ExtIdentifier	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "Value*"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountKey	[AccountKey] = "999"
AccountCode	[AccountCode] = "ABC"
Approved	[Approved] (=,>,>=,<,<=,<>) "Value"
Remaining	[Remaining] (=,>,>=,<,<=,<>) "9.99"
OnHold	[OnHold] (=,>,>=,<,<=,<>) "9.99"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"

Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
MatchId	[MatchId] (=,>,>=,<,<=,<>) "999"
InvoiceNo	[InvoiceNo] = "ABC", [InvoiceNo] LIKE "Value*"

## 6.68 Get Supplier Transactions

This Web Service returns the Supplier Transactions for this Entity.

### 6.68.1 Get Supplier Transactions Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetSupplierTransactionsSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.68.2 Get Supplier Transactions Data

This Web Service returns the actual Supplier Transactions matching the Parameters Criteria.

[WebMethod]

```
public string GetSupplierTransactionsData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.68.2.1 Filter

Use any logical combination of these Filter Values.

[FiscalYear] = «2018» AND [PeriodNo] = «6»

Field	Filter Sample
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
InvoiceDate	[InvoiceDate] (=,>,>=,<,<=,<>) "2012-12-30"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
SubledgerID	[SubledgerID] = "00000000-0000-0000-0000-000000000000"
PaymentDate	[PaymentDate] (=,>,>=,<,<=,<>) "2012-12-30"
DueDate	[DueDate] (=,>,>=,<,<=,<>) "2012-12-30"
ExtIdentifier	[ExtIdentifier] = "ABC", [ExtIdentifier] LIKE "Value*"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
AccountCode	[AccountCode] = "ABC"
Remaining	[Remaining] (=,>,>=,<,<=,<>) "9.99"
Invoice	[Invoice] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
PeriodCode	[PeriodCode] = "ABC"
MatchId	[MatchId] (=,>,>=,<,<=,<>) "999"
InvoiceNo	[InvoiceNo] = "ABC", [InvoiceNo] LIKE "Value*"
TransactionID	[TransactionID] (=,>,>=,<,<=,<>) "999"
OwnerCode	[OwnerCode] = "999"
SubledgerCode	[SubledgerCode] = "ABC"
ExtBankAccount	[ExtBankAccount] = "ABC", [ExtBankAccount] LIKE "Value*"
LastPaymentDate	[LastPaymentDate] (=,>,>=,<,<=,<>) "2012-12-30"
Archive	[Archive] (=,>,>=,<,<=,<>) "999"
TrSourceKey	[TrSourceKey] = "999"
ClientKey	[ClientKey] = "999"
SubledgerKey	[SubledgerKey] = "999"
AccountKey	[AccountKey] = "999"

## 6.69 Get Task Summary

This Web Service returns Task Summary defined for this Entity/User.

### 6.69.1 Get Task Summary Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetTaskSummarySchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.69.2 Get Task Summary Data

This Web Service returns the Task Summary Data matching the Parameters.

[WebMethod]

```
public string GetTaskSummaryData (string sUserName, string sKey, string sApplication, int iEntityCode, string sUserID, long lMenuGroup, bool bPerOwner, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sUserID</b>	The e-mail adress of the user whose tasks are to be displayed
<b>lMenuGroup</b>	The menu group value of the role the user is to view tasks from
<b>bPerOwner</b>	Checkbox for grouping XML return per OwnerCode
<b>sFilter</b>	Currently not implemented

## 6.70 Get Tax Assessments

This Web Service returns Tax Assessments defined for this Entity.

### 6.70.1 Get Tax Assessment Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetTaxAssesmentSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.70.2 Get Tax Assessment Data

This Web Service returns the Tax Assessments Data matching the Parameters.

[WebMethod]

```
public string GetTaxAssesmentData(string sUserName, string sKey, string sApplication, int iEntityCode, int iFiscalYear)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>iFiscalYear</b>	The Fiscal Year

## 6.71 Get Timesheet Entries

This Web Service returns Timesheet Entries for this Entity.

### 6.71.1 Get Timesheet Entries Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetTimesheetEntriesSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.71.2 Get Timesheet Entries Data

This Web Service returns the Timesheet Entries Data matching the Parameters.

[WebMethod]

```
public string GetTimesheetEntriesData(string sUserName, string sKey, string sApplication, int iEntityCode, DateTime dDateFrom, DateTime dDateTo, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>dDateFrom</b>	Search criteria. Date Interval From. Not affected when value is '1900-01-01'
<b>dDateTo</b>	Search criteria. Date Interval To. Not affected when value is '1900-01-01'

<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1 Closed = 2 All = 3

### 6.71.2.1 Filter

Use any logical combination of these Filter Values.

Field	Filter Sample
TimesheetID	[TimesheetID] (=,>,>=,<,<=,<>) "999"
EmployeeID	[EmployeeID] = "00000000-0000-0000-0000-000000000000"
CustomerID	[CustomerID] = "00000000-0000-0000-0000-000000000000"
EmployeeKey	[EmployeeKey] = "999"
CustomerKey	[CustomerKey] = "999"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.72 Get Timesheet Summary

This Web Service returns Timesheet Summary defined for this Entity.

### 6.72.1 Get Timesheet Summary Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetTimesheetSummarySchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.72.2 Get Timesheet Summary Data

This Web Service returns the Timesheet Summary Data matching the Parameters.

[WebMethod]

```
public string GetTimesheetSummaryData(string sUserName, string sKey, string sApplication, int iEntityCode, long lPMProjectFilter, long lPMFieldFlag, DateTime dDateFrom, DateTime dDateTo, bool bShowEmployeeManager, bool bShowEmployee, bool bShowProjectGroup, bool bShowProjectManager, bool bShowProject, bool bShowSubledger, bool bShowAssignment, bool bShowActivity, bool bShowObject, bool bShowObjectValue, bool bShowTimeType, bool bShowGLObject1, bool bShowGLObject2, bool bShowXGL, bool bShowHours, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
-----------	-------------

<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>IPMProjectFilter</b>	31701 - External projects 31702 - Invoiceable projects 31703 - Internal projects
<b>IPMFieldFlag</b>	23802 - Project Posting
<b>dDateFrom</b>	Search criteria. Date Interval From. Not affected when value is '1900-01-01'
<b>dDateTo</b>	Search criteria. Date Interval To. Not affected when value is '1900-01-01'
<b>bShowEmployeeManager</b>	Show Employee Manager Column when true
<b>bShowEmployee</b>	Show Employee Column when true
<b>bShowProjectGroup</b>	Show Project Group Column when true
<b>bShowProjectManager</b>	Show Project Manager Column when true
<b>bShowProject</b>	Show Project Column when true
<b>bShowSubledger</b>	Show Subledger Column when true
<b>bShowAssignment</b>	Show Assignment Column when true
<b>bShowActivity</b>	Show Activity Column when true
<b>bShowObject</b>	Show Object Column when true
<b>bShowObjectValue</b>	Show Object Value Column when true
<b>bShowTimeType</b>	Show TimeType Column when true
<b>bShowGLObject1</b>	Show GL Object 1 Column when true
<b>bShowGLObject2</b>	Show GL Object 2 Column when true
<b>bShowXGL</b>	Show XGL Column when true
<b>bShowHours</b>	Show Hours Column when true
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (see below)
<b>eOption</b>	Currently not implemented

### 6.72.2.1 Filter

Use any logical combination of these Filter Values

Field	Filter Sample
EmployeeID	[EmployeeID] = "00000000-0000-0000-0000-000000000000"
EmployeeKey	[EmployeeKey] = "999"
EmployeeCode	[EmployeeCode] = "ABC"
ProjectID	[ProjectID] = "00000000-0000-0000-0000-000000000000"
ProjectKey	[ProjectKey] = "999"
ProjectCode	[ProjectCode] = "ABC"
AssignmentID	[AssignmentID] = "00000000-0000-0000-0000-000000000000"
AssignmentKey	[AssignmentKey] = "999"
ActivityID	[ActivityID] = "00000000-0000-0000-0000-000000000000"
ActivityKey	[ActivityKey] = "999"
CustomerID	[CustomerID] = "00000000-0000-0000-0000-000000000000"

CustomerKey	[CustomerKey] = "999"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
ClientKey	[ClientKey] = "999"
TimeTypeID	[TimeTypeID] = "00000000-0000-0000-0000-000000000000"
TimeTypeKey	[TimeTypeKey] = "999"
ApprovedByID	[ApprovedByID] = "00000000-0000-0000-0000-000000000000"
ApprovedByKey	[ApprovedByKey] = "999"
ApprovedDateTime	[ApprovedDateTime] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.73 Get Users

This Web Service returns the Users for this Entity.

### 6.73.1 Get Users Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetUsersSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.73.2 Get Users Data

This Web Service returns the actual Users matching the Parameters Criteria.

[WebMethod]

```
public string GetUsersData(string sUserName, string sKey, string sApplication, int iEntityCode, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.73.2.1 Filter

Use any logical combination of these Filter Values.

[Code] = "gv" AND [OwnerCode] = "13"

Field	Filter Sample
ID	[ID] = "00000000-0000-0000-0000-000000000000"
Key	[Key] = "999"
Code	[Code] = "ABC", [Code] LIKE "ABC*"
Description	[Description] = "ABC", [Description] LIKE "ABC*"
Email	[Email] = "ABC", [Email] LIKE "ABC*"
OwnerCode	[OwnerCode] = "999"

## 6.74 Get Workflow Journal Headers

This Web Service Method will return information about journals' workflow status.

### 6.74.1 Get Workflow Journal Headers Schema

This Web Service Method returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]  
`public string GetWorkflowJournalHeadersSchema (string sUserName, string sKey, string sApplication)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.74.2 Get Workflow Journal Headers Data

This Web Service Method will return information about journals' workflow status.

[WebMethod]  
`public string GetWorkflowJournalHeadersData (string sUserName, string sKey, string sApplication, int iEntityCode, bool bIncludeFileContent, string sFreeText, string sFilter, DataOption eOption)`

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>bIncludeFileContent</b>	Include File Content as Base64 when true
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

#### 6.74.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
Archive	[Archive] (=,>,>=,<,<=,<>) "999"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
TrSourceKey	[TrSourceKey] = "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
PeriodCode	[PeriodCode] = "ABC"
Period	[Period] = "ABC"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
Text	[Text] = "ABC", [Text] LIKE "Value*"
RegNo	[RegNo] (=,>,>=,<,<=,<>) "999"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrProcessLevelID	[TrProcessLevelID] = "999"
TrProcessLevel	[TrProcessLevel] = "ABC"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
Registered	[Registered] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
ProcessTypeID	[ProcessTypeID] = "999"
ProcessType	[ProcessType] = "999"

## 6.75 Get Workflow Journal Headers Simple

This Web Service Method will return information about journals' workflow status in a simplified manner.

### 6.75.1 Get Workflow Journal Headers Simple Schema

This Web Service Method returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetWorkflowJournalHeadersSimpleSchema (string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.75.2 Get Workflow Journal Headers Simple Data

This Web Service Method will return information about journals' workflow status in a simplified manner.

[WebMethod]

```
public string GetWorkflowJournalHeadersSimpleData (string sUserName, string sKey,
string sApplication, int iEntityCode, bool bIncludeFileContent, string sFreeText,
string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>bIncludeFileContent</b>	Include File Content as Base64 when true
<b>sFreeText</b>	Free Text Search for Code and Description
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1, Closed = 2, All = 3

### 6.75.2.1 Filter

Use any logical combination of these Filter Values.

Parameter	Description
Archive	[Archive] (=,>,>=,<,<=,<>) "999"
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
TrSourceID	[TrSourceID] = "00000000-0000-0000-0000-000000000000"
TrSourceKey	[TrSourceKey] = "999"
TrSourceCode	[TrSourceCode] = "ABC"
TrSource	[TrSource] = "ABC"
TrNo	[TrNo] (=,>,>=,<,<=,<>) "999"
PeriodCode	[PeriodCode] = "ABC"
Period	[Period] = "ABC"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
Text	[Text] = "ABC", [Text] LIKE "Value*"
RegNo	[RegNo] (=,>,>=,<,<=,<>) "999"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
TrProcessLevelID	[TrProcessLevelID] = "999"
TrProcessLevel	[TrProcessLevel] = "ABC"
PostedDate	[PostedDate] (=,>,>=,<,<=,<>) "2012-12-30"
Registered	[Registered] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
ProcessTypeID	[ProcessTypeID] = "999"
ProcessType	[ProcessType] = "999"

## 6.76 Get Work Orders

This Web Service returns Work Orders defined for this and inherited Entities. This method will be available from release 2014-R2.

### 6.76.1 Get Work Orders Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetWorkOrdersSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

## 6.76.2 Get Work Orders Data

This Web Service returns the actual Work Order matching the Parameters Criteria.

[WebMethod]

```
public string GetWorkOrdersData(string sUserName, string sKey, string sApplication,
int iEntityCode, DateTime dDate, string sFreeText, string sFilter, DataOption eOption)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>dDate</b>	Search criteria. Date for Work Order. Not affected when value is '1900-01-01'
<b>sFreeText</b>	Free Text Search. Currently not implemented.
<b>sFilter</b>	Filter (See below)
<b>eOption</b>	Open = 1 Closed = 2 All = 3

### 6.76.2.1 Filter

Use any logical combination of these Filter Values:

Field	Filter Sample
WorkOrderNo	[WorkOrderNo] (=,>,>=,<,<=,<>) "999"
CustomerID	[CustomerID] = "00000000-0000-0000-0000-000000000000"
CustomerKey	[CustomerKey] = "999"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 6.77 Get XCube Data

This Web Service returns XCube Data for this Entity.

### 6.77.1 Get XCube Schema

This Web Service returns the XML Data Schema with the currently available fields. Note that the number of fields may expand any time.

[WebMethod]

```
public string GetXCubeSchema(string sUserName, string sKey, string sApplication)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 6.77.2 Get XCube Data

This Web Service returns the XCube Data matching the Parameters.

[WebMethod]

```
public string GetXCubeData(string sUserName, string sKey, string sApplication, int iEntityCode, string sTemplate, string sPeriodFrom, string sPeriodTo, string sFilter)
```

Parameter	Description
<b>sUserName</b>	The Xledger Web Service User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code.
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sTemplate</b>	Free Text Search for Code and Description
<b>sPeriodFrom</b>	The Period From
<b>sPeriodTo</b>	The Period To
<b>sFilter</b>	Currently not implemented.

## 7 FileUpload Web Services

To use the FileUpload Web Service the user needs a Logon Key. This is acquired using the LogonKey Web Method in the Authentication Web Service.

### 7.1 Authentication

This Web Service returns a Logon Key for authenticating the User.

```
public string LogonKey(string sLogonID, string sPassword, string sApplication)
```

Parameter	Description
<b>sLogonID</b>	The Xledger File Upload User Name
<b>sPassword</b>	The Xledger File Upload User Password
<b>sApplication</b>	Use "XLEDGER" for Xledger Live Data or "XLEDGERDEMO" for Demo environment

### 7.2 FileUpload

The FileUpload Web Service allows the user to Upload Files to Xledger.

### 7.2.1 ReceiveFile

This Web Service allows Xledger to Receive a File from the client. The File will appear in the File Import Menu in Xledger.

```
[WebMethod(Description = "Receives a file as a Bytearray. It Returns a receipt number on success, otherwise 0")]  
public long ReceiveFile(string sUserName, string sKey, string sApplication, string sFileName, byte[] aFile, string sImportCode, int iEntityCode)
```

Parameter	Description
<b>sUserName</b>	The Xledger File Upload User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code
<b>sApplication</b>	Use "XledgerTEST", "XledgerDEMO " or "Xledger"
<b>sFileName</b>	The File Name
<b>aFile</b>	The File Content as a Byte Array. See sample code
<b>sImportCode</b>	The Xledger File Import Code
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section

### 7.2.2 ReceiveFileIntegrationSource

This Web Service expands upon ReceiveFile and allows for defining a Integration Source for the import. Integration Source values are created in the system and may vary from entity to entity.

```
[WebMethod(Description = "Receives a file as a Bytearray. It Returns a receipt number on success, otherwise 0")]  
public long ReceiveFile(string sUserName, string sKey, string sApplication, string sFileName, byte[] aFile, string sImportCode, int iEntityCode, string sIntegrationSource)
```

Parameter	Description
<b>sUserName</b>	The Xledger File Upload User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code
<b>sApplication</b>	Use "XledgerTEST", "XledgerDEMO " or "Xledger"
<b>sFileName</b>	The File Name
<b>aFile</b>	The File Content as a Byte Array. See sample code
<b>sImportCode</b>	The Xledger File Import Code
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>sIntegrationSource</b>	Predefined integration source value. Contact the customer for available values.

### 7.2.3 BudgetImport

This Web Service expands upon ReceiveFile and allows for replacing a budget with a revised version. The parameters that differs from ReceiveFile are used to selecting what budget to replace (delete) prior to importing the new one.

```
[WebMethod(Description = "Receives a file as a Bytearray. It Returns a receipt number on success, otherwise 0")]  
public long BudgetImport(string sUserName, string sKey, string sApplication, string sFileName, byte[] aFile, string sImportCode, int iEntityCode, int isFiscalYear, int itFiscalPeriodFrom, int itFiscalPeriodTo, string sBudget, string sFilter, bool bDelete)
```

Parameter	Description
<b>sUserName</b>	The Xledger File Upload User Name
<b>sKey</b>	The Xledger Web Service Authentication Key. See sample code
<b>sApplication</b>	Use "XledgerTEST", "XledgerDEMO " or "Xledger"
<b>sFileName</b>	The File Name
<b>aFile</b>	The File Content as a Byte Array. See sample code
<b>sImportCode</b>	The Xledger File Import Code
<b>iEntityCode</b>	The Entity Code for the actual Entity. See the Preparation section
<b>isFiscalYear</b>	Fiscal Year for the the budget that is to be replaced
<b>isFiscalPeriodFrom</b>	Start period to be replaced
<b>sBudget</b>	GUID, Description, or Code to the budget that is to be replaced. Mandatory value, SOAP method will return '0' if the value is not recognized.
<b>isFiscalPeriodTo</b>	End period to be replaced
<b>sFilter</b>	Can be used to define only certain elements to be deleted (See below)
<b>bDelete</b>	Will replace budget based on above parameters when true. NOTE: If set to false, the existing budget will not be deleted and one might very well get duplicate records.

### 7.2.3.1 Filter

Use any logical combination of these Filter Values.

[FiscalYear] = «2018» AND [PeriodNo] = «6»

Field	Filter Sample
FiscalYear	[FiscalYear] (=,>,>=,<,<=,<>) "999"
PeriodNo	[PeriodNo] (=,>,>=,<,<=,<>) "999"
BudgetID	[BudgetID] = "00000000-0000-0000-0000-000000000000"
Budget	[Budget] = "ABC"
BudgetCode	[BudgetCode] = "ABC"
AccountID	[AccountID] = "00000000-0000-0000-0000-000000000000"
Account	[Account] = "ABC"
AccountCode	[AccountCode] = "ABC"
GLObjectValue1ID	[GLObjectValue1ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue1	[GLObjectValue1] = "ABC"
GLObjectValue1Code	[GLObjectValue1Code] = "ABC"
GLObjectValue2ID	[GLObjectValue2ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue2	[GLObjectValue2] = "ABC"
GLObjectValue2Code	[GLObjectValue2Code] = "ABC"
GLObjectValue3ID	[GLObjectValue3ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue3	[GLObjectValue3] = "ABC"
GLObjectValue3Code	[GLObjectValue3Code] = "ABC"
GLObjectValue4ID	[GLObjectValue4ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue4	[GLObjectValue4] = "ABC"

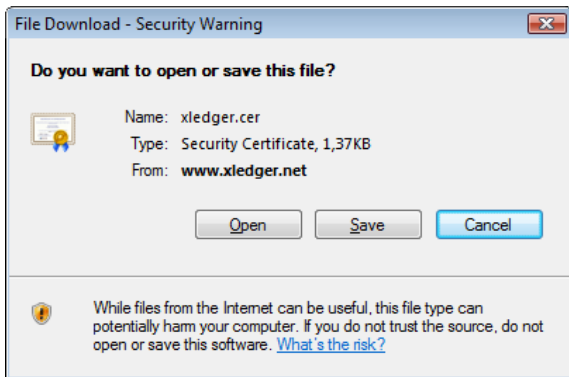
GLObjectValue4Code	[GLObjectValue4Code] = "ABC"
GLObjectValue5ID	[GLObjectValue5ID] = "00000000-0000-0000-0000-000000000000"
GLObjectValue5	[GLObjectValue5] = "ABC"
GLObjectValue5Code	[GLObjectValue5Code] = "ABC"
XGLID	[XGLID] = "00000000-0000-0000-0000-000000000000"
XGL	[XGL] = "ABC"
XGLCode	[XGLCode] = "ABC"
ClientID	[ClientID] = "00000000-0000-0000-0000-000000000000"
Client	[Client] = "ABC"
ClientCode	[ClientCode] = "ABC"
BudgetAmount	[BudgetAmount] (=,>,>=,<,<=,<>) "9.99"
Amount	[Amount] (=,>,>=,<,<=,<>) "9.99"
Amount3	[Amount3] (=,>,>=,<,<=,<>) "9.99"
Amount4	[Amount4] (=,>,>=,<,<=,<>) "9.99"
Amount5	[Amount5] (=,>,>=,<,<=,<>) "9.99"
Created	[Created] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"
Modified	[Modified] (=,>,>=,<,<=,<>) "2012-12-30 15:30:00"

## 8 Troubleshooting

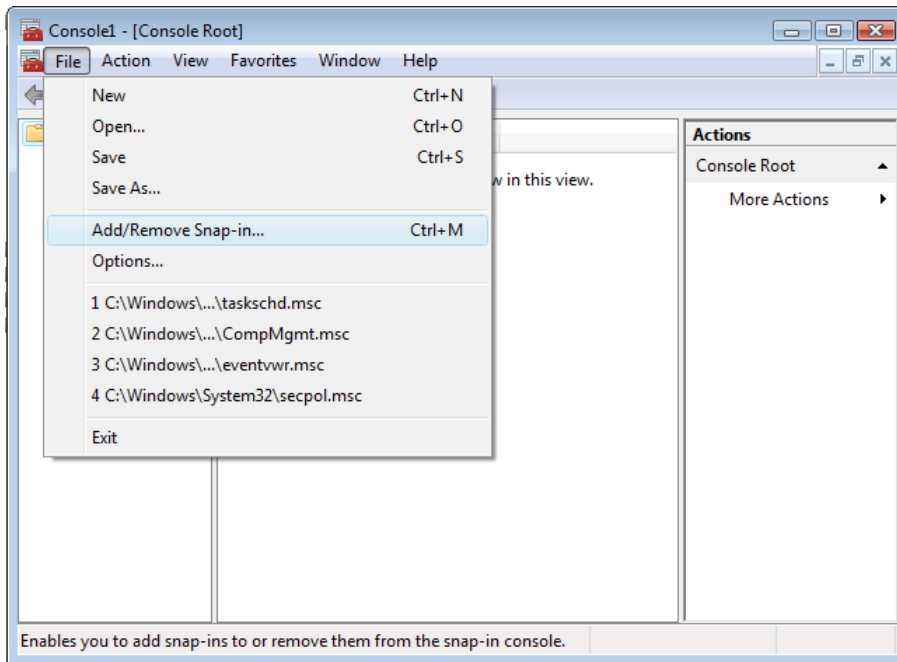
### 8.1 CA-Certificate Missing

Install the CA-Certificate Manually.

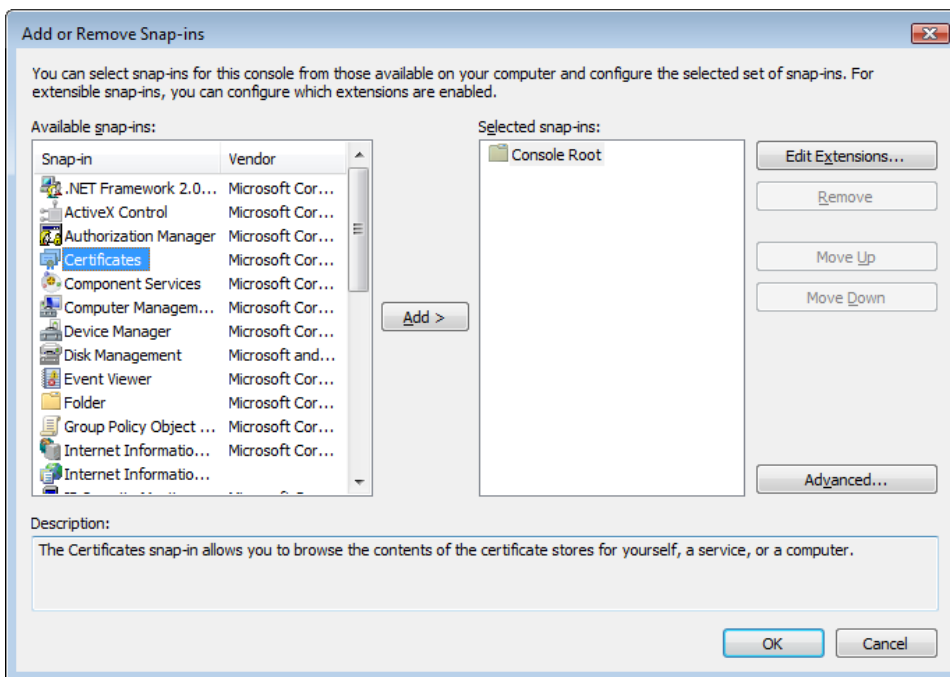
1. Type <https://www.xledger.net/xledger.cer> in the browser and save it to the desktop.



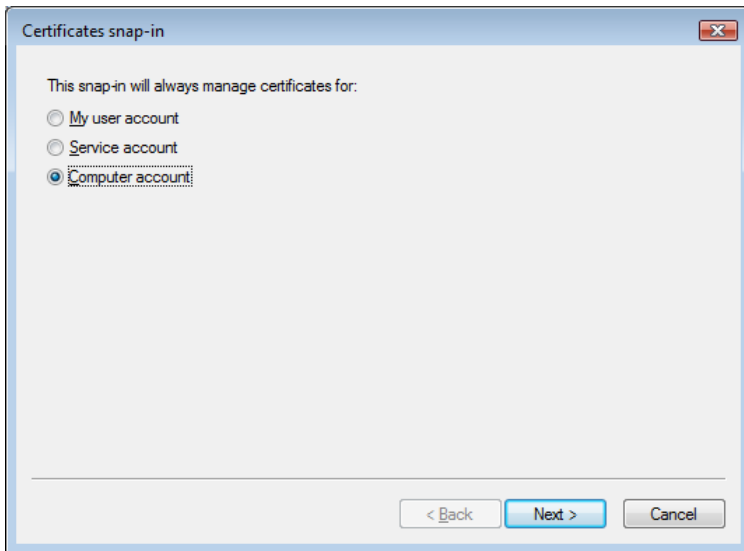
2. Press Start, Run, **mmc** and press Enter



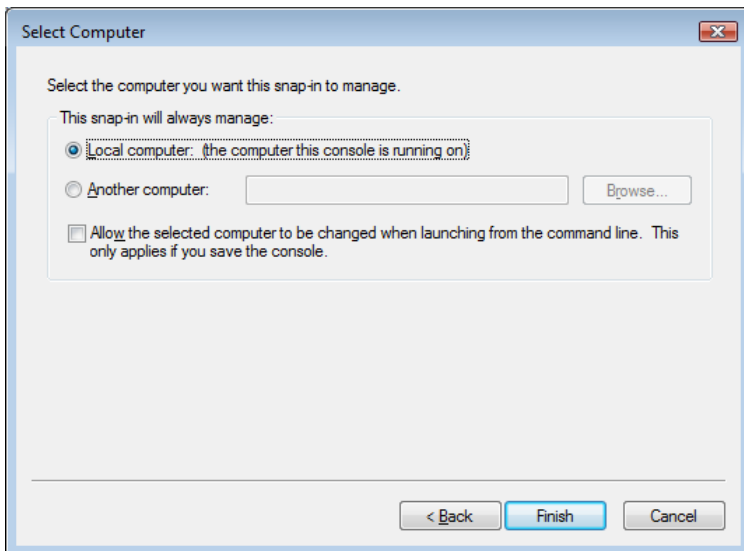
### 3. Select File, Add/Remove Snap-in...



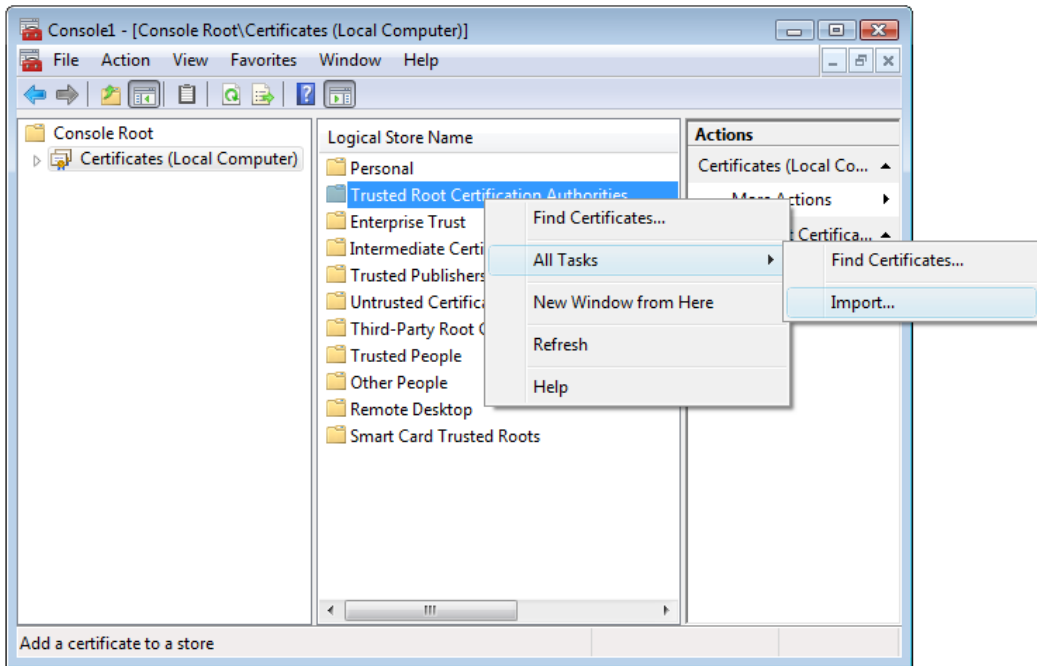
### 4. Select Certificates, Add, Computer Account, Local Computer



5. Press Next



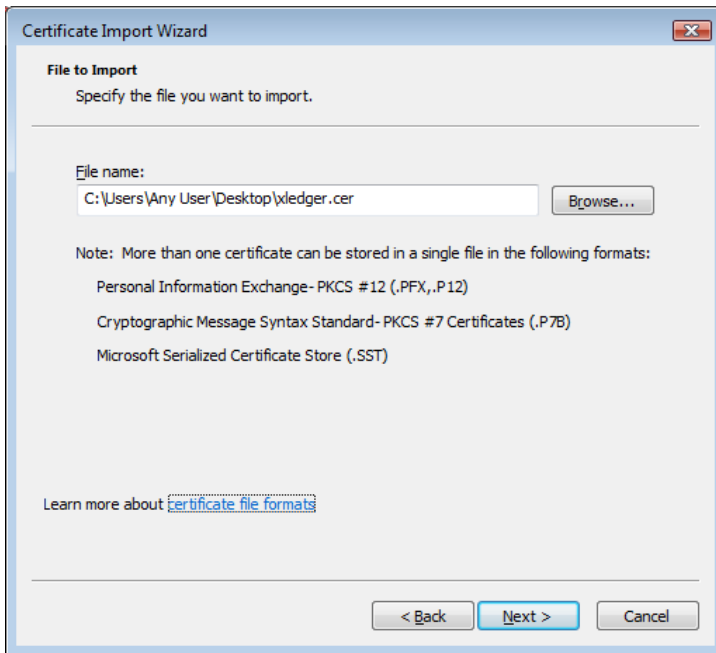
6. Press Finish and Ok.



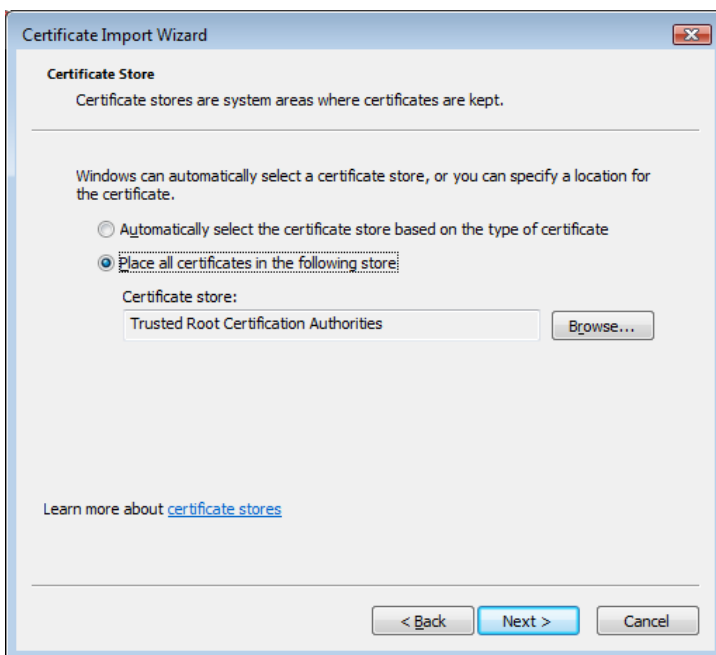
7. Right mouse-click Trusted Root Certification Authorities, All Tasks, Import...



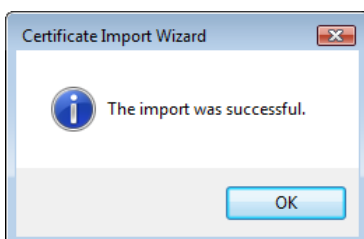
8. Next



9. Select the Certificate from the Desktop, Next



10. Press Next, Finish



11. Restart the Computer and retry.

## 8.2 Empty Response

If the response from the Client is Empty – It is possible that the Certificate is missing on the httpBinding. Make sure the clientCredentialType is set to Certificate on the ExportSoap binding configuration:

basicHttpBinding, binding, security, transport:

```
<transport clientCredentialType="Certificate" proxyCredentialType="None" realm="" />
```