



# Data traffic in Xledger

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# Background

- As of Q1 2019, usage of Web Services and the GraphQL API will be invoiceable. The primary reason for charging for data traffic is to incentivize sensible usage, as we have in numerous occasions experienced extremely high loads on the system. In the utmost of cases, this is highly unnecessary; we find it rather unlikely that anyone have a need for a complete export of their general ledger transactions for all years returned every 5 seconds (which has been the case quite more than once).
- By implementing this, we are aligning with major actors such as Microsoft and Amazon. Both have quite extensive price lists for data traffic.

# 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. 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 of our 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 3rd parties that operate them.

# Illustration

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



