QUANT Token Utility

31ˢᵗ January 2019 - Version 0.1

Quant Network is a pioneering technology company combining cybersecurity, industry and government experience to developed advanced technologies that automate trust. Overledger is the world's first blockchain operating system connecting the world's blockchains and networks.

Our vision is to build an ecosystem around Overledger, allowing for developers and Enterprise to innovate, create value and build game-changing multi-chain applications for users and their customers.

In line with FINMA guidelines utility tokens are tokens that are intended to provide digital access to an application or service. Access to the Overledger Operating System is only possible through the use of QUANT (QNT) tokens, i.e. QNT tokens must be provided to Quant Network in exchange for an annual licence or platform fee. The price of the access will be a fixed FIAT amount and the number of tokens needed will vary depending on the price of the token at the time of purchase. As the network grows and the number of users increase, the demand for the platform will increase, as such it may be reasonable to expect that the total number of tokens needed change based on the value of tokens and the number in circulation. By fixing the value of access pegged to a FIAT price, it may be possible for a developer to only hold one QNT or a fraction of a QNT as the price may fluctuate in comparison to FIAT. The set usage price will be variable and adjusted to market supply and demand.

The launch of the Quant Treasury will automate and facilitate the licensing, consumption and usage of QNT for developers, enterprise and users.

The following outlines the utility and functionality of the QNT token for each user/customer category.

Developer

License fees
- Developers will be able to obtain an annual license to develop applications on Overledger through the purchase of QNT tokens equivalent to a fixed FIAT amount.
- The developer wallet will in turn be authorised to access the platform for the length of the license period (i.e. annual), as well as develop, sign and publish applications.
- Users can also hold a subscription license tied to their wallet and QNT for a period of time to access features of Overledger.
- The license/key will expire annually and thus must be renewed using only QNT.

Consumption fees
- Payments for read and write to Overledger will also need to be made in QNT based on a FIAT value, for example if the monthly read and writes equate to $10/month, the equivalent will be paid to the Quant Treasury using QNT, however the price will be variable and adjusted to market supply and demand.

Add-on services
- Additional features and services can also be consumed as middleware. These features will be released with updates to Overledger as part of the roadmap.

Monetisation
- Developers may choose to monetise their applications and will have the options to use a payment processor to charge a subscription, a recurring price, a one off price, or an in-app fee. This can be charged in FIAT or digital currencies.
- We are working on the monetisation options to incorporate into the Treasury, alternatively developers will be able to use their own providers.

Enterprise

License fees
- Enterprises will be able to obtain an annual license to develop applications on Overledger. Enterprise license fees will be determined on the basis of:
  - number of users
  - number of employees
  - types and number of applications (internal, external, native applications or web-based etc)
  - volume of Overledger transactions
- Quant Network is working on the pricing model and strategy which is expected to be finalised by Q2 2019 with the release of Quant Treasury.

Platform fees
- In addition to the license fee, a platform fee calculated as a percentage of the license fee in QNT will be payable. However, QNT will be obtained and managed through the Treasury by Quant Network on behalf of the client at a given day's rate.

Consumptions fees
- Similarly, payments for read and write to Overledger will also need to be made in QNT based on a FIAT value. For example if the read and writes equate to $10/month, the equivalent in QNT will be paid, however, the conversion to QNT will be handled by the Treasury.

- As Enterprises will have larger volumes of usage, we will be introducing payment options for:
  - o pay-as-you-go
  - o pay in arrears
  - o pay in advance (pre-pay)
  - o unlimited usage
  - o number of users

Add-on services
- We are releasing enterprise add on services which provide additional features and services which can also be consumed as middleware. These will be released with updates to Overledger for Enterprise to utilise.

Overledger Gateways

In preparation to scale our technology we are expanding Overledger gateways to access multiple permissioned and permissionless blockchain networks.

Overledger gateways are hosted as part of our multi-cloud strategy to optimise network latency providing enterprises, developers and users choice to use the closest gateway. Gateways are hosted by Quant Network and partners but also by Enterprises within their private/public cloud instances or corporate networks.

To help encourage the expansion of our gateway networks, we are looking to provide users the opportunity to host their own public Overledger gateways to drive volume and applications to multiple permissionless blockchains. To help facilitate, we're exploring the use of dual utility tokenomics in order to earn revenue for the amount of volume used in hosted gateways.

This initial model and work is ongoing and we'll be providing further updates as we progress in 2019.