



License Metrics for Qlik Value Add Products

Qlik NPrinting[®], Qlik GeoAnalytics[®], Qlik Catalog[™] for QVDs, Qlik Insight Bot[™] and Qlik Big Data Index[™]

The License Metrics are part of the Documentation for Qlik NPrinting, Qlik GeoAnalytics, Qlik Associative Big Data Index, and Qlik Catalog for QVDs (formerly Qlik Data Catalyst for QVDs) and govern the use of these Qlik[®] products.

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1. Qlik NPrinting

A. Qlik NPrinting

Qlik NPrinting is software that enables report generation, distribution and scheduling within QlikView[®] and Qlik Sense[®]. Version 16 is available for use with QlikView. Versions 17 and later are available for use with both QlikView and Qlik Sense.

Server. Qlik NPrinting Server license includes a single engine to be installed on one Server. For purposes of these License Metrics, a “Server” means a single physical or virtual machine instance capable of running server software. For clarity, each virtual machine, hardware partition, or blade on which Qlik NPrinting Server is running is considered to be a separate Server. Additional server engines may be added for a fee.

Test Server. Qlik NPrinting Test Server provides an environment separate from production to use for data validation, application testing, and preparation/migration of QlikView or Qlik Sense documents to new versions and/or releases of Qlik Products. Qlik NPrinting Test Server comes in two editions, Qlik NPrinting Test Server and Qlik NPrinting SBE Test Server, both of which have the same features and limitations as the corresponding production servers. Test Servers are marked in the License Enable File (LEF) to indicate a Test Version.

External Use. NPrinting reports may be distributed to external users. The NPrinting software may not be distributed to external users and may only be installed on servers owned by the customer. However, customers may permit external users to access the Newsstand on the NPrinting server.

B. NPrinting Version 17+

Qlik NPrinting 17+ is licensed as a server and does not require a separate license for a Designer. Version 17+ supports the ability to schedule reports over multiple engines (or servers), if additional engines are licensed. Version 17+ does not

impose limits on the number of recipients, reports, triggers or developers. With Qlik NPrinting 17+, there is no requirement to have a QlikView Local Client licensed on the same machine as the QlikView NPrinting Designer. However, the account used for running Qlik NPrinting needs to be allocated a QlikView Local Client or a Named User CAL licensed through the QlikView Server. There is no requirement to allocate a Qlik Sense user license to the account used for running Qlik NPrinting.

Qlik NPrinting SMB Server. The Qlik NPrinting SMB Server has the same functionality as the Qlik NPrinting 17 Server, except that it is limited to 250 named user recipients and 2 developers, with no ability to add engines. Mail groups or distribution lists may not be designated as a single named user recipient.

C. NPrinting Version 16

QlikView NPrinting Server. QlikView NPrinting Server requires a separate license for NPrinting Designer. The On Demand feature in NPrinting Server is only supported by the AJAX client.

QlikView NPrinting Designer. The Designer is a separate developer license offered on a named user basis, which may be installed on one computer and may only be assigned to one user at a time. The NPrinting Designer may not be transferred to another user unless the transfer is due to a i) termination of employment, or ii) a transfer of the named user to a new business unit or function, which does not require access to the Qlik Software.

QlikView NPrinting SBE Server and Distribution Server. The SBE and the Distribution servers may each be installed on one Server. These products do not support the On Demand printing feature.

There is a minimum QlikView license requirement to operate NPrinting Server v16. For each instance of a QlikView NPrinting installation (Designer or Server), a QlikView local client must be installed and licensed with a valid QlikView local client license key or a leased license through a Named User CAL manually allocated from a QlikView Server. This requirement is the same regardless of whether the QlikView NPrinting Designer client and the QlikView NPrinting Server are installed on the same machine or not.

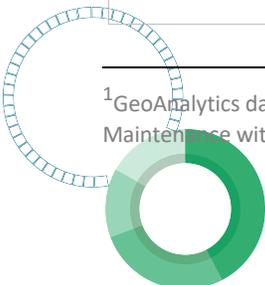
2. Qlik GeoAnalytics

Overview. Qlik GeoAnalytics enables geographical analysis with both Qlik Sense and QlikView. The product consists of (i) extensions that provide geographical visualizations, (ii) a Qlik GeoAnalytics Connector and (iii) for Qlik GeoAnalytics Enterprise Server, a Qlik GeoAnalytics Server. The Connector is used to load data from supported data sources and enables several analytical operations using a wizard that can be applied to external data or data that is already loaded in a Qlik application.

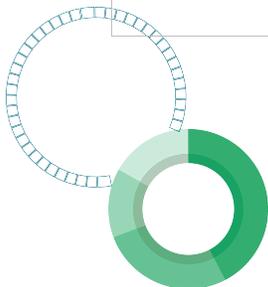
Qlik GeoAnalytics & Geocoding Products

PRODUCT	DESCRIPTION	LICENSE
Qlik GeoAnalytics Base	<p>The Base Software¹ consists of extension objects used in the client and a connector. The connector and the extensions communicate with an external Qlik-hosted server that does all lookups and operations and sends back the results.</p> <p>Qlik GeoAnalytics Base includes a user-selectable feature, Qlik GeoAnalytics Plus, that can be</p>	<p>Qlik GeoAnalytics Base is offered as a subscription.</p> <p>Each Qlik GeoAnalytics Base license may be used with multiple QlikView and/or Qlik Sense servers.</p>

¹GeoAnalytics data is included without additional charge for so long as i) Licensee maintains a subscription, or remains current on Maintenance with a perpetual license, and ii) Qlik continues to make such data generally available.



	installed to provide geo calculations on premise (except routing and location lookups) and access to local resources.	
Qlik GeoAnalytics Enterprise Server (includes a Qlik GeoAnalytics Test Server)	The Enterprise Server Software includes all of the features of Qlik GeoAnalytics Base plus a local server that provides background maps, location lookups and geo-calculations (serving of satellite imagery is performed remotely).	Qlik GeoAnalytics Enterprise Server is offered as a subscription. Customers with a perpetual license to GeoAnalytics Base may upgrade their perpetual license to GeoAnalytics Enterprise Server. Each Qlik GeoAnalytics Server is separately licensed, but one Qlik GeoAnalytics Enterprise Server can serve multiple QlikView and/or Qlik Sense servers.
Qlik GeoAnalytics Test Server	The Test Server Software includes all of the features of Qlik GeoAnalytics Enterprise Server but is limited to use only in a Test Environment.	Test Server is a server license that provides an environment separate from production to use for data validation, application testing, and preparation/migration of Qlik Applications to new versions and/or releases of QlikView or Qlik Sense.
Qlik Geocoding	Add-on package for Qlik GeoAnalytics Base and GeoAnalytics Enterprise Server that provides conversion from street addresses to geographical coordinates, and vice versa.	Qlik Geocoding requires Qlik GeoAnalytics Base or Qlik GeoAnalytics Enterprise Server, and is licensed as a fixed quantity of geocoding lookups that must be exercised within one (1) year of purchase.
Qlik GeoAnalytics for OEM	Same as Qlik GeoAnalytics Base.	Qlik GeoAnalytics for OEM is licensed as an annual subscription.
Qlik GeoAnalytics Enterprise Server for OEM (includes a Qlik GeoAnalytics Test Server)	Same as Qlik GeoAnalytics Enterprise Server.	Qlik GeoAnalytics Enterprise Server for OEM is licensed as an annual subscription.
Qlik Geocoding for OEM	Same as Qlik Geocoding	Qlik Geocoding for OEM requires Qlik GeoAnalytics for OEM or Qlik GeoAnalytics Enterprise Server for OEM, and is licensed as a fixed quantity of geocoding lookups that must be exercised within one (1) year of purchase.



Test Environment. A Test Environment provides an environment separate from production to use for data validation, application testing, and preparation/migration of QlikView/Qlik Sense documents including geospatial information.

Qlik GeoAnalytics Operations. Qlik GeoAnalytics includes geographic analysis operations when data is loaded into Qlik Sense or QlikView. Depending on the product, there are certain restrictions in the following categories:

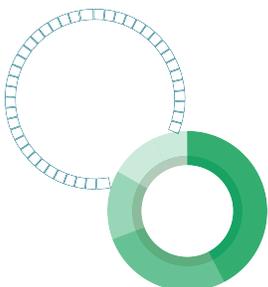
- **Data Source per Operation.** This is related to the size of size of the input data to each operation call. The Connector supports different input data types, but the input data is typically a loaded table.
- **Data Source for Route-Based Operations.** The route operations are: “Route,” “TravelAreas” and “Closest” (all transportation modes except “Bird”).
- **Location Lookups.** These are operations that use the included location database, such as “Standard Areas and Points.” A lookup occurs when a place name is translated into an area or a point. A place name can, for instance, be a country, county, city, zip code or an airport.
- **Map Views.** Each Map View is a map transaction that is used to load a map image or tile into the browser window. A typical map consists of ten (10) tiles.

PRODUCT	MAXIMUM DATA SOURCE PER OPERATION	MAXIMUM DATA SOURCE FOR ROUTE-BASED OPERATIONS	LOCATION LOOKUPS	MAP VIEWS
Qlik GeoAnalytics Base or Qlik GeoAnalytics for OEM	20,000 rows	400 rows	50,000 rows	1 million per month per Customer or OEM Partner
Qlik GeoAnalytics Enterprise Server or Qlik GeoAnalytics for OEM – Enterprise Server	Up to available memory	Unlimited (available memory)	Unlimited (available memory)	Unlimited (available memory)

Qlik Geocoding Operations. Qlik Geocoding provides geographical (GPS) coordinates corresponding to a location, such as a street address and vice versa. Address and key information is sent to remote servers for each lookup request. Each address or individual coordinate set sent to the Qlik Geocoding server constitutes a lookup request, regardless of the extent to which resulting data is returned (e.g. an invalid or incomplete street address or GPS coordinates may result in non-discrete data or no data at all being returned). Up to five thousand (5,000) lookup requests may be sent in a single call to the Geocoding server.

Geocoding is sold as a fixed quantity of lookup requests, where such quantity of lookups must be used within one (1) year from the date of purchase. Unused lookup requests remaining as of the date of expiration are forfeited.

Cold Standby for Qlik GeoAnalytics Enterprise Server. Qlik GeoAnalytics Base and Enterprise Server licenses can be installed on as many servers as required for backup or disaster recovery purposes. However, no more than the licensed number of GeoAnalytics Software may be running at any given time. Thus, a cold standby environment can be installed and ready to run, but cannot be live (that is, the services cannot be started) and in use prior to the live environment being shut down.



3. Qlik Alerting

Overview. Qlik Alerting is an intelligent alerting platform for Qlik Sense Enterprise on Windows. Qlik Alerting customers must be utilizing Qlik Sense Enterprise on Windows, February 2019 release or later. Qlik Alerting capabilities are associated with the Qlik Sense Enterprise license type as follows below.

Qlik Sense Enterprise License Type	Qlik Alerting Capabilities
Professional User	Create/receive all alert types
Analyzer User	Create self-service alerts and receive all alert types
Analyzer Capacity	Receive broadcast and notification alerts only (via e-mail only)
Token - User Access Pass	Create/receive all alert types
Token - Login Access Pass	Not recommended as one Login Access Pass is consumed per each alert generation, but can create/receive all alert types.
CPU Core-based Users	Create/receive all alert types
Any Recipient (No Qlik Sense Enterprise License)	Receive broadcast and notification alerts only

Alert Types.

- **Data Alerts:** Alerts based on the data in Qlik Sense applications using simple or complex conditions, notifying users when data changes.
 - Self-service alerts: A data-based individual alert created by a user for personal delivery and not enabled for sharing with other users.
 - Distributed alerts: A data-based alert created by a Professional User with one or multiple recipients:
 - Broadcast: Every recipient receives the same alert message.
 - Managed: Every recipient receives the alert based on their data privileges on the source application.
- **System Alerts:** Alerts that let users know about important system events that have taken place (unsuccessful application reloads, etc.).
- **Notifications:** A notification whereby every recipient receives the same message created by an administrator.

Deployment Types.

- **Single Deployment per Qlik Sense Enterprise Site:** Each Qlik Alerting Server may be connected to one unique Qlik Sense Enterprise Site. For purposes of these License Metrics, a Qlik Sense Enterprise Site means deployment of a single Qlik Sense Enterprise license key within a single node or multi-node instance of Qlik Sense Enterprise on Windows. Deployment prerequisites are set forth in the Qlik Alerting Product Documentation at help.qlik.com.
- **Test and Development Sites:** Each Qlik Alerting Enterprise Server license for Professional, Analyzer or Analyzer Capacity users includes one test site and one development site during the subscription period only. Test and Development Sites for Token or CPU Core sites are not included. Test and development sites may not be used for production purposes or for disaster recovery.

4. Qlik Catalog for QVDs

Overview. Qlik Catalog for QVDs (formerly Qlik Data Catalyst for QVDs) builds an enterprise-scale repository of data for analytics. It includes automated data preparation and tools to streamline the transformation of raw data into analytics-ready information assets. Qlik Catalog for QVDs can be used with Qlik Sense (on Windows) or QlikView.



Metrics. Qlik Catalog for QVDs is licensed per QlikView or Qlik Sense deployment. For Qlik Sense, a deployment means a single node deployment of Qlik Sense Enterprise on Windows. Full Qlik Catalog functionality may be used with an unlimited number of QVD files on a single node.

For legacy customers, Qlik Data Catalyst for QVDs is licensed by the volume of data managed or “DM.” DM means the amount of non-replicated data in a cluster managed and reported in the Receiving Dock in Terabytes. If the DM exceeds the licensed amount at any given time, the customer will have 90 days to decrease the data volume to within the licensed DM limits or customer’s DM will be automatically increased based on actual usage. Customer is responsible to pay prorated fees for any increase in the DM for the then-current subscription term.

Test Sites. Each Qlik Catalog for QVD production instance includes a development and test site. Each test site has the same configuration and capacity as the production instance. Test Sites may not be used for production purposes or for disaster recovery (DR).

Services. Minimum training and implementation services are required for new purchases.

5. Qlik Insight Bot

Qlik Insight Bot (“QIB”) enables users to engage in conversations with their data using Qlik Sense Enterprise on Windows and certain third party messaging and collaboration tools. QIB is licensed on a subscription basis per Qlik Sense site or by CPU cores for a Qlik Sense core-based site. QIB can be accessed by named users in the Qlik Sense Enterprise Management Console, so that Qlik Sense can authenticate users and manage permissions within the apps.

	Access	Requirements
QIB Site License	Insight Bot may be accessed within the Sense client or with supported third party collaboration tools.	Requires Qlik Sense Enterprise on Windows (April 2018 release or later)
QIB CPU Cores* (4 Core min)	Insight Bot may be accessed within the Sense client only.	Requires Qlik Sense Enterprise on Windows (June 2019 release or later)

*Refers to the same definition of a Core as set forth in the Qlik Sense License Metrics.

Single Deployment per Qlik Sense Enterprise Site. Each Qlik Insight Bot Server may be deployed on one unique Qlik Sense Enterprise Site. For purposes of these License Metrics, a Qlik Sense Enterprise Site means deployment of a single Qlik Sense Enterprise license key within a single node or multi-node instance of Qlik Sense Enterprise on Windows. Deployment prerequisites are set forth in the Qlik Insight Bot Product Documentation at help.qlik.com.

Multiplexing. Multiplexing occurs when multiple users are able to simultaneously access a single system through a common shared interface. Because QIB may assign a license to the shared interface rather than to each of the users accessing QIB via the shared interface, multiplexing can result in more users having access to QIB than are licensed. It is customer’s responsibility to ensure that if QIB is utilized with an interface that permits multiplexing to occur, each QIB user accessing QIB via the multiplexing front end is assigned a unique Qlik Sense user license.

Test and Development Sites. Each QIB Server license includes one test site and one development site during the subscription period only. Test and development sites may not be used for production purposes or for disaster recovery.

Third Party APIs. Use of QIB with third party messaging and collaboration tools may require customers to agree to, and comply with, third party terms and conditions. Qlik has no control over any third party application programming interface (“API”) or any third party data which may be used in conjunction with QIB. Customers’ use of QIB may be affected by any change or discontinuance of any APIs by the respective third parties.

Concurrency and scale guidance is provided in the Qlik Insight Bot Product Documentation at help.qlik.com.



6. Qlik Big Data Index

Unless otherwise set forth in an Order Form, the Qlik Big Data Index is licensed on an annual subscription basis only, and consists of a base subscription plus a per terabyte (TB) subscription for the data to be indexed. The license is administered using a License Enabling File (LEF), which limits the maximum number of terabytes of data that may be indexed. The customer selects the number of terabytes at the time of subscription. If during the subscription term, the customer exceeds the number of terabytes included in the subscription, the customer will be invoiced for the amount of overage for the remainder of the current subscription term. Deployment prerequisites are set forth in the Qlik Big Data Index Documentation at help.qlik.com.

