

Client Access Licenses

To connect to a QlikView Server (QVS), each client needs a Client Access License (CAL). The CALs are purchased with QlikView Server and tied to the server serial number. A CAL is never transferred to a client, but a client uses the CAL when connecting to the server or, if a cluster license is used, a specific QlikView Server cluster. CALs cannot be transferred between different QlikView Server clusters. If a user is required to work with documents residing in different clusters, a separate CAL is needed for each of the clusters.

Note! The CALs require the QlikView Servers within a cluster to be within the same geographical and physical location and within the same network sub-net/segment.

CAL Types

The CALs described below are used to provide users access to the various QlikView Servers identified in *Editions of QlikView Server*.

Note! CALs are used for licensing only and they have nothing to do with user authentication for data access purposes.

CAL Type	Description
Named User CAL (an identified user on a server)	A Named User CAL is assigned to a unique and identified user (see <i>Identification</i> for information on how users are identified) who may access as many QlikView documents as may reside on the server or server cluster to which the Named User CAL is assigned. A Named User CAL may be transferred to another user pursuant to the software licensing agreement, in which case there is a 24-hour quarantine before the Named User CAL can be transferred to another user. There is no time limit for how long a user assigned a Named User CAL can access a QlikView document.
Document CAL (an identified user within a given document)	A Document CAL is assigned to a unique and identified user (see <i>Identification</i> for information on how users are identified) who may access only the one QlikView document to which the Document CAL is assigned. Multiple Document CALs can be assigned to a particular user. For example, if a user connects to two QlikView documents, the user will have been assigned two Document CALs. A Document CAL may be transferred to another user pursuant to the software licensing agreement, in which case there is a 24-hour quarantine before the Document CAL can be transferred to another user. There is no time limit for how long a user assigned a Document CAL can access the QlikView document to which the CAL is assigned.

CAL Type	Description
Session CAL	A Session CAL allows any user, identified or anonymous/unidentified, on one QlikView client to access as many QlikView documents as may reside on the server or server cluster to which the Session CAL is assigned for a minimum period of 15 minutes. For Session CALs, the QlikView client refers to each unique instance of the QlikView client (for example, the AJAX client, QlikView Desktop, or the Internet Explorer plugin) on the user's machine. The minimum session time for a Session CAL is 15 minutes, which means that sessions that end in less than 15 minutes will still consume the session until the 15 minute mark is passed; those which terminate after 15 minutes will consume their actual session length. By default, there is no maximum session length, but this can be configured.
Usage CAL	A Usage CAL allows any user, identified or anonymous/unidentified, to access only one QlikView document, residing on the server or server cluster to which the Usage CAL is assigned, from one client (for example, the AJAX client, QlikView Desktop, or the Internet Explorer plugin) for a time period of 60 minutes per 28-day period. If a user exceeds the 60 minute time limitation, the user will have consumed two Usage CALs without any warning being given to the user. Every 28 days, the Usage CAL is refreshed and the user may once again view a new QlikView document for 60 minutes, using the same Usage CAL. Usage CALs are continuously recharged (at a pace corresponding to 1/28 of the total number of Usage CALs assigned to the QlikView Server per day).

Identification

To use a Named User CAL or a Document CAL, the client user must be identified via an authenticated user name (Windows Active Directory or through a ticket exchange between the web server and QlikView Server). An IP address is not a valid form of identification for a Named User CAL. The two methods of identification cannot be mixed on the same instance of QlikView Server. Note that the user name identification requires Windows authentication on AJAX clients, since machine name identification cannot be used for these clients.

Any CAL used by an identified user may not be transferred to another user, unless the transfer is due to a change in the employment status or work duties of the prior user, in which case there is a 24-hour quarantine before the CAL be transferred to another user.

Document CAL Restrictions

The purpose of the Document CAL is to provide a mechanism by which licensees can license the use of a single document. To prevent the combination of many data models in a single document, there are restrictions in the documents that can be used with the Document CAL. However, the Named User CAL, the Session CAL, and the Usage CAL can be used to open any functional QlikView document. The Document CAL can only be used with documents that have a single contiguous data model and do not contain any chasm traps between tables.

Most common data models used in QlikView documents can be used for Document CALs. For instance, proper star schemas and snowflake schemas typically have the field with the highest cardinality in the fact table and the keys in dimensional tables have a lower cardinality. For snowflake schemas, the cardinality decreases further when moving away from the fact table. Documents containing such models typically fulfill the above demands and are well-suited for Document CALs.

Documents with multiple logical islands are normally not allowed. Multiple logical islands are only allowed, if the additional tables are unconnected and contain only few records or a single column.

In addition, the document may not contain any loosely coupled tables.

Finally, the cardinality (that is, the number of distinct values) of the key fields must decrease when moving away from the fact table.

Combining Different CALs

A given instance of QlikView Server can carry any combination of the CAL types listed in *CAL Types*. When different CAL types are combined on the same server, the order of priority in the CAL assignment is done as follows:

1. If there is a dedicated Named User CAL for the connecting client, it is used.
2. If there is a dedicated Document CAL for the connecting client, it is used.
3. If a new Named User CAL can be assigned to the connecting client, it is used.
4. If a new Document CAL can be assigned to the connecting client, it is used.
5. If there is an available Session CAL, it is used.
6. If there is an available Usage CAL, it is used.
7. If none of the above, access is denied.

License Lease

A QlikView client that does not have a registered license is allowed to connect to QlikView Server and “borrow” a license, so that the user can work offline for a period of 30 days. The QlikView client must then make an authenticated log on (not anonymous) and obtain a Named User CAL. Each time QlikView is started, QlikView tries to contact QlikView Server and renew the license lease. If the client cannot reach the server after 30 days, the license lease expires.

A license lease can only be used with QlikView Desktop and the Internet Explorer plugin. This means a license lease cannot be obtained when using an AJAX client.

Cluster Licensing

A special type of license is available to allow multiple QlikView Server installations to share the same license serial number and support shared CALs. The servers are automatically considered as clustered. Note that this configuration affects networks where unauthorized license sharing between test and production environments has been configured.

Note! The CALs require the QlikView Servers within a cluster to be within the same geographical and physical location and within the same network sub-net/segment.

Cold Standby Servers

QlikView Server license keys can be installed on as many servers as required provided that only the licensed number of QlikView Servers are running at any given time. Thus, a cold standby environment can be installed and ready-to-run, but cannot be live (that is, the Windows services cannot be started) and in use prior to the live environment being shut down.

Editions of QlikView Server

QlikView Server comes in a number of editions designed for different organizations and purposes. Upgrading is done through the license key.

Editions

The various editions of QlikView Server are listed below.

Edition	Description
QlikView Enterprise Edition (EE) Server	QlikView EE Server is designed to be used in large and complex deployments and provides features such as unlimited documents, server-based collaboration, integration with third-party security systems, server clustering, and cluster licensing. The minimum configuration of a QlikView EE Server is ten Named User Client Access Licenses (CALs).
QlikView Small Business Edition (SBE) Server	QlikView SBE Server is designed to be used in smaller deployments. The minimum configuration of a QlikView SBE Server is five Named User CALs.
QlikView Information Access Server (IAS)	QlikView IAS is a QlikView Server that is licensed for an uncapped number of users, but limited to a single QlikView document. QlikView IAS runs in anonymous mode and must be publically accessible without authentication (on the public Internet), that is, it must not be placed behind a firewall. No QlikView client can access QlikView IAS – the user interface must be built by the end user either manually or by using QlikView WorkBench.
	<hr/> Note! There is no license lease from QlikView IAS. <hr/>

Edition	Description
QlikView Extranet Server (QES)	QES allows end users to deploy QlikView solutions to their extranet. QES is based on QlikView EE Server, but only supports up to three QlikView documents. The server can be deployed with a combination of Session and Usage CALs. QES supports mobile clients and can be deployed in clustered environments. The AJAX client or a customized AJAX client can be used via QlikView WorkBench, which is included in QES.

In addition to the editions of QlikView Server described above, there is also a number of additional, server-related products, all of which are listed below.

Product	Description
QlikView Test Server	<p>QlikView Test Server is a license that provides an environment separate from production to use for data validation, application testing, and preparation/migration of QlikView documents to new versions and/or releases of QlikView.</p> <p>QlikView Test Server comes in two editions, QlikView EE Test Server and QlikView SBE Test Server, both of which have the same features and limitations as the corresponding production servers. In addition, the watermark “Test” is superimposed on all charts and added to all object captions.</p> <hr/> <p>Note! There is no license lease from QlikView Test Server.</p>
QlikView Publisher	<p>QlikView Publisher is a license that adds significant functionality to the standard reload capability of QlikView Server. QlikView Publisher includes functionality to handle field level security and access control from central administration software like Window Active Directory or Novell® LDAP. QlikView Publisher is also needed to support complex distribution models for QlikView documents. In addition, each license of QlikView Publisher allows an additional node/server for reload, distribution, or security management in a multi-node/server deployment.</p> <p>With the additional component QlikView Publisher Report Distribution, any QlikView document report can be distributed as a .pdf file to a folder or via email or SMTP.</p>
QlikView WorkBench	<p>QlikView WorkBench (an add-on to QlikView EE Server) is a development tool for creating web mash-ups with QlikView. It features drag and drop editing capabilities within the Microsoft Visual Studio® development environment and allows for custom web interfaces and integration with third-party services.</p> <hr/> <p>Note! QlikView WorkBench is not available for use with QlikView SBE Server.</p>

Product	Description
QlikView Web Parts for Microsoft SharePoint®	QlikView Web Parts (an add-on to QlikView EE Server) for Microsoft SharePoint allows for rapid deployment of QlikView objects within Microsoft SharePoint portal environments. Note! QlikView Web Parts are not available for use with QlikView SBE Server.
QlikView Local Client	QlikView Local Client is a client with all functionality used to develop QlikView documents. QlikView Local Client is deployed, if the end user deploys local clients only.
QlikView Personal Edition	Anybody registered on QlikView.com is allowed to download QlikView and develop QlikView documents for personal use. There are no restrictions to QlikView Personal Edition except that it cannot open QlikView documents created by other users or perform an import of an entire layout from an XML file.

Features and Limitations

The table below lists the features and limitations of each edition of QlikView Server (Yes = supported, No = not supported).

	EE	SBE	IAS	QES
Licensing				
Named User CALs	Yes	Yes (max 25)	No	No
Session CALs	Yes	No	Yes (unlimited)	Yes
Usage CALs	Yes	No	No	Yes
Document CALs	Yes	Yes (max 100)	No	No
External Users Allowed?	No	No	Yes	Yes
Clients				
AJAX (and mobile devices via AJAX)	Yes	Yes	Yes (WorkBench included)	Yes (WorkBench included)
Internet Explorer Plugin	Yes	Yes	No	No
Installed QlikView Client	Yes	Yes	No	No
Scalability				
Can be clustered (additional server license required)	Yes	No	Yes	Yes
Unlimited Documents	Yes	Yes	No (1 only)	No (3 documents only)

	EE	SBE	IAS	QES
Integration				
Third Party Security Integration	Yes	No	No	Yes
Dynamic Data Update	Yes	Yes	Yes	Yes
Features				
License Lease (offline access, Named User CALs required)	Yes	Yes	No	No
Annotations	Yes	Yes	No	Yes
Collaboration (sheets, sheet objects, and input fields)	Yes	Yes	No	No
Session Collaboration	Yes	Yes	No	Yes
QlikView Publisher and PDF generation (additional license required)	Yes	Yes	No	No
QlikView Connector for use with SAP NetWeaver® (additional license required)	Yes	Yes	Yes	Yes
Test Server Option	Yes	Yes	Yes	Yes
Can be embedded in Microsoft SharePoint (QlikView Web Parts for Microsoft SharePoint) (additional license required)	Yes	No	Yes	Yes
Build bespoke mashups/AJAX applications (QlikView WorkBench) (additional license required)	Yes	No	Yes (included)	Yes (included)
Security				
Section Access	Yes	Yes	No	Yes
Document Metadata Service (DMS)	Yes	No	No	Yes
Active Directory/NTFS	Yes	Yes	No	Yes
Anonymous User	Yes (with Session CALs)	No	Yes (mandatory)	No