

System requirements for Qlik Sense

Qlik Sense®

April 2019

Copyright © 1993-2019 QlikTech International AB. All rights reserved.




© 2019 QlikTech International AB. All rights reserved. Qlik®, Qlik Sense®, QlikView®, QlikTech®, Qlik Cloud®, Qlik DataMarket®, Qlik Analytics Platform®, Qlik NPrinting®, Qlik Connectors®, Qlik GeoAnalytics®, Qlik Core®, Associative Difference®, Lead with Data™, Qlik Data Catalyst™, Qlik Associative Big Data Index™ and the QlikTech logos are trademarks of QlikTech International AB that have been registered in one or more countries. Other marks and logos mentioned herein are trademarks or registered trademarks of their respective owners.


1 System requirements for Qlik Sense	4
2 Supported browsers	9
2.1 Improving performance in Internet Explorer	9
2.2 Qlik Management Console (QMC)	9
Microsoft Windows 7, 8.1	9
Microsoft Windows Server 2012, 2012 R2, 2016	9
Microsoft Windows 10	10
Apple Mac OS X 10.11 and 10.12	10
2.3 Qlik Sense (the hub)	10
Microsoft Windows 7	10
Microsoft Windows 8.1	10
Microsoft Windows 10	10
Apple Mac OS X 10.11 and 10.12	10
Microsoft Windows Server 2012	11
Microsoft Windows Server 2012 R2	11
Microsoft Windows Server 2016	11
iOS	11
Android	11
Windows 10 phone	12

1 System requirements for Qlik Sense


This section lists the requirements that must be fulfilled by the target system in order to successfully install and run Qlik Sense.

Platforms	<ul style="list-style-type: none"> • Microsoft Windows Server 2012 • Microsoft Windows Server 2012 R2 • Microsoft Windows Server 2016 <p>For development and testing purposes only:</p> <ul style="list-style-type: none"> • Microsoft Windows 7 (64-bit version only) • Microsoft Windows 8.1 (64-bit version only) • Microsoft Windows 10 (64-bit version only) <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  <i>These operating systems are supported by Qlik Sense. Third-party software may require service packs to be installed.</i> </div>
Processors (CPUs)	<p>Multi-core x64 compatible processors</p> <p>We recommend that you use at least 4 cores per node in a Qlik Analytics Platform deployment.</p>
Memory	<p>8 GB minimum (depending on data volumes, more may be required)</p> <p>Qlik Sense is an in-memory analysis technology. The memory requirements for the Qlik Sense products are directly related to the amount of data being analyzed.</p>
Disk space	<p>5.0 GB total required to install</p>
Storage	<ul style="list-style-type: none"> • A network file share is required for the storage to be accessible by all servers in the site. In case of a single-server deployment, local disk storage may be sufficient. • Sufficient storage is required for the volume of apps and content used in the deployment.
Security	<ul style="list-style-type: none"> • Microsoft Active Directory • Microsoft Windows Integrated Authentication • Third-party security
WebSockets	<p>Web browsers and infrastructure components (such as proxies and routers) must support WebSockets.</p>
.NET framework	<p>4.5.2 or higher</p>
PowerShell	<p>4.0 or higher</p>



1 System requirements for Qlik Sense

Repository database	<p>PostgreSQL 9.6.x</p> <p>PostgreSQL is included in the Qlik Sense setup by default. However, you can also download and install it manually.</p> <div data-bbox="496 398 1390 577" style="border: 1px solid #ccc; padding: 5px;"><p> <i>The version of PostgreSQL 9.6.x installed with Qlik Sense does not include pgAdmin tools. You can download and install them manually if required.</i></p></div> <p>PostgreSQL is an open source object-relational database management system. It is released under the PostgreSQL license, which is a free and open source software license.</p>
Centralized logging database	PostgreSQL 9.6.x
Internet protocol	<ul style="list-style-type: none">• IPv4• IPv6• Dual stack (IPv4 and IPv6)
Network	The configured hostname must resolve to an IP address on the host machine.


1 System requirements for Qlik Sense

<p>Qlik Management Console (QMC), supported browsers</p>	<p>Microsoft Windows 7, Windows 8.1:</p> <ul style="list-style-type: none"> • Microsoft Internet Explorer 11 • Google Chrome • Mozilla Firefox (requires hardware acceleration, not supported in virtual environments) <p>Microsoft Windows Server 2012, Windows Server 2012 R2, Windows Server 2016:</p> <ul style="list-style-type: none"> • Microsoft Internet Explorer 11 (not supported on Windows Server 2012) • Google Chrome • Mozilla Firefox (requires hardware acceleration, not supported in virtual environments) <p>Microsoft Windows 10:</p> <ul style="list-style-type: none"> • Microsoft Internet Explorer 11 • Microsoft Edge • Google Chrome • Mozilla Firefox (requires hardware acceleration, not supported in virtual environments) <p>Apple Mac OS X 10.11 and 10.12:</p> <ul style="list-style-type: none"> • Apple Safari • Google Chrome • Mozilla Firefox (requires hardware acceleration, not supported in virtual environments) <p>CefSharp embedded browser v55 or later (CefSharp allows you to embed the Chromium open source browser inside .Net apps)</p>
<p>QMC, minimum screen resolution</p>	<p>Desktops, laptops, and Apple Mac: 1024x768</p> <p>No mobile or small screen support.</p>
<p>Qlik Cloud Services</p>	<p>Maximum app size: 500 MB</p> <p>Storage: 500 GB</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p> <i>When distributing to Qlik Cloud Services, your Qlik Sense Enterprise on Windows deployment must be either the current version or one of the previous 2 releases (starting from the June 2018 release).</i></p> </div>

1 System requirements for Qlik Sense

Qlik Sense Enterprise for elastic deployments	<p>Kubernetes environments:</p> <p>Kubernetes service vendors:</p> <ul style="list-style-type: none">• Microsoft Azure 1.9.1• Amazon Web Services (AWS) 1.9.7 <p>Kubernetes package manager:</p> <ul style="list-style-type: none">• Helm 2.9.0 <p>Database:</p> <ul style="list-style-type: none">• MongoDB 3.6+ <p>File system:</p> <ul style="list-style-type: none">• NFS 4.1 compliant NFS with ReadWriteMany access <div data-bbox="496 837 1390 1016"> <i>When distributing to Qlik Sense Enterprise for elastic deployments, your Qlik Sense Enterprise on Windows and Qlik Sense Enterprise for elastic deployments versions should be the same release.</i></div>
QlikView compatibility	It is not possible to install Qlik Sense on a machine with QlikView Server already installed.
Qlik Sense Mobile app for iOS support	<p>iOS supported versions</p> <ul style="list-style-type: none">• iOS 11.2 or later <div data-bbox="496 1256 1390 1357"> <i>iOS 11.0 or later is required for SAML authentication.</i></div> <p>Device compatibility</p> <ul style="list-style-type: none">• iPad Air 2 or later• iPad Pro or later• iPhone 6 and 6 Plus• iPhone 6S and 6S Plus• iPhone 7 and 7 Plus• iPhone 8 and 8 Plus• iPhone X

1 System requirements for Qlik Sense

Qlik Sense Mobile app for Android support	<p>Android OS supported versions</p> <ul style="list-style-type: none">• Android 6.0 or later <p>Device compatibility</p> <ul style="list-style-type: none">• 64-bit CPU architecture (ARM)• RAM: 2 GB or more is recommended• Screen resolution: 720x1280 HDPI (267 ppi)
Qlik Sense Mobile per-app VPN support	<p>Qlik Sense Mobile per-app VPN through Enterprise Mobile Management (EMM) is designed to work with the hardware, iOS versions and Qlik Sense versions listed in this section.</p> <ul style="list-style-type: none">• Qlik Sense Enterprise November 2017 or later.• iPad with iOS version 11.2.2 or later.• iPhone with iOS version 11.2.2 or later. <p>Access to Qlik Sense Enterprise using AirWatch per-app VPN is supported on the following browsers:</p> <ul style="list-style-type: none">• VMware browser• Apple Safari• Google Chrome
Qlik Sense Mobile app compatibility with Qlik Sense	<p>The Qlik Sense Mobile app is compatible with Qlik Sense September 2017 and later releases.</p> <p>Qlik Sense November 2018 or later is required to access mashups from the Qlik Sense Mobile app.</p> <div data-bbox="496 1290 1390 1429" style="border: 1px solid #ccc; padding: 5px;"><p> <i>Qlik Sense February 2018 or later is required to reduce the size of apps for download to your iOS device.</i></p></div>



We do not recommend that you install Qlik Sense on domain controller machines, as group policies may prevent Qlik Sense from getting access to required services.

2 Supported browsers

Qlik Sense is designed to work on the platform and web browser combinations described in this section, using default browser settings.

Qlik Sense Cloud is designed to work on web browsers listed in this section.

Each Qlik Sense release is tested for compatibility with the latest publicly available browser versions. Due to the frequency of browser version updates, Qlik does not include specific browser version numbers in the system requirements.

Each Qlik Sense release is compatible with and supported on the latest iOS versions that are publicly available at the time of the Qlik Sense release. Due to the frequency of iOS version updates, Qlik does not include specific iOS version numbers in the system requirements.

2.1 Improving performance in Internet Explorer

Qlik Sense connects to your browser using WebSockets. Each new tab that you open uses additional WebSocket connections. By default, Internet Explorer 11 limits the number of WebSocket connections to 6 per Internet Explorer session. This can limit your ability to open new tabs or configuration windows.

Your Windows administrator can change this setting using the Local Group Policy Editor. The setting is available under Administrative Templates > Windows Components > Internet Explorer > Security Features > AJAX > Set the maximum number of WebSocket connections per server. Only your system administrator should change this configuration.

You can also open apps in new Internet Explorer sessions, instead of new tabs. If an app will not open in a new tab, copy the url from the address bar in the Internet Explorer tab. Select File > New Session from the Internet Explorer top menu. Paste the url in the address bar, and then press Enter. The app opens in the Internet Explorer new session window.

2.2 Qlik Management Console (QMC)

Microsoft Windows 7, 8.1

- Microsoft Internet Explorer 11
- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

Microsoft Windows Server 2012, 2012 R2, 2016

- Microsoft Internet Explorer 11 (not supported on Windows Server 2012)
- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

Microsoft Windows 10

- Microsoft Internet Explorer 11
- Microsoft Edge
- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

Apple Mac OS X 10.11 and 10.12

- Apple Safari 10 or later
- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

CefSharp embedded browser v55 or later (CefSharp allows you to embed the Chromium open source browser inside .Net apps)



Minimum screen resolution for desktops, laptops, and Apple Mac is 1024x768. The QMC does not support tablets or iPads.

2.3 Qlik Sense (the hub)

Microsoft Windows 7

- Microsoft Internet Explorer 11
- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

Microsoft Windows 8.1

- Microsoft Internet Explorer 11
- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

Microsoft Windows 10

- Microsoft Edge
- Microsoft Internet Explorer 11
- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

Apple Mac OS X 10.11 and 10.12

- Apple Safari 10 or later
- Google Chrome

- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments).

Microsoft Windows Server 2012

- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

Microsoft Windows Server 2012 R2

- Microsoft Internet Explorer 11
- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

Microsoft Windows Server 2016

- Microsoft Internet Explorer 11
- Google Chrome
- Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)

CefSharp embedded browser v55 or later (CefSharp allows you to embed the Chromium open source browser inside .Net apps)

iOS

Version 11.2 or later (script editing is not supported on tablet devices).

Qlik Sense version: Qlik Sense Enterprise September 2017 or later.

Supported devices:

- iPad Air or later
- iPhone 5S or later

Supported browsers:

- Apple Safari
- Google Chrome
- VMware browser (using AirWatch per-app VPN)
- BlackBerry Access 2.9.1 or later (using BlackBerry Dynamics platform)



iOS 11.3 is required for using BlackBerry Access browser.

Android

Version 6.0, 7.1, 8.1 and 9.0 (script editing is not supported on tablet devices):

- Google Chrome
- BlackBerry Access 2.9.1 or later (using BlackBerry Dynamics platform)

Windows 10 phone

- Microsoft Edge



Minimum screen resolution for desktops and laptops is 1024x768; tablets is 1024x768; small screens is 320x568.