



# System requirements for Qlik Sense

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Qlik Sense®

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## 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.

<b>Platforms</b>	<ul style="list-style-type: none"> <li>• Microsoft Windows Server 2012</li> <li>• Microsoft Windows Server 2012 R2</li> <li>• Microsoft Windows Server 2016</li> </ul> <p>For development and testing purposes only:</p> <ul style="list-style-type: none"> <li>• Microsoft Windows 7 (64-bit version only)</li> <li>• Microsoft Windows 8.1 (64-bit version only)</li> <li>• Microsoft Windows 10 (64-bit version only)</li> </ul> <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>
<b>Processors (CPUs)</b>	<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>
<b>Memory</b>	<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>
<b>Disk space</b>	<p>3 GB total required to install</p>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Sufficient storage is required for the volume of apps and content used in the deployment.</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• Microsoft Active Directory</li> <li>• Microsoft Windows Integrated Authentication</li> <li>• Third-party security</li> </ul>
<b>WebSockets</b>	<p>Web browsers and infrastructure components (such as proxies and routers) must support WebSockets.</p>
<b>.NET framework</b>	<p>4.5.2 or higher</p>

# 1 System requirements for Qlik Sense

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<b>Repository database</b>	<p>PostgreSQL 9.6</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="528 398 1386 577" style="border: 1px solid #ccc; padding: 10px;"><p> <i>The version of PostgreSQL 9.6 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>
<b>Centralized logging database</b>	PostgreSQL 9.6
<b>Internet protocol</b>	<ul style="list-style-type: none"><li>• IPv4</li><li>• IPv6</li><li>• Dual stack (IPv4 and IPv6)</li></ul>
<b>Network</b>	The configured hostname must resolve to an IP address on the host machine.

# 1 System requirements for Qlik Sense

<p><b>Qlik Management Console (QMC), supported browsers</b></p>	<p>Microsoft Windows 7, Windows 8.1:</p> <ul style="list-style-type: none"> <li>• Microsoft Internet Explorer 11</li> <li>• Google Chrome</li> <li>• Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)</li> </ul> <p>Microsoft Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, 2016:</p> <ul style="list-style-type: none"> <li>• Microsoft Internet Explorer 11 (not supported on Windows Server 2012)</li> <li>• Google Chrome</li> <li>• Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)</li> </ul> <p>Microsoft Windows 10:</p> <ul style="list-style-type: none"> <li>• Microsoft Internet Explorer 11</li> <li>• Microsoft Edge</li> <li>• Google Chrome</li> <li>• Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)</li> </ul> <p>Apple Mac OS X 10.11 and 10.12:</p> <ul style="list-style-type: none"> <li>• Apple Safari</li> <li>• Google Chrome</li> <li>• Mozilla Firefox (requires hardware acceleration, not supported in virtual environments)</li> </ul> <p>CefSharp embedded browser v55 or later (CefSharp allows you to embed the Chromium open source browser inside .Net apps)</p>
<p><b>QMC, minimum screen resolution</b></p>	<p>Desktops, laptops, and Apple Mac: 1024x768</p> <p>No mobile or small screen support.</p>
<p><b>QlikView compatibility</b></p>	<p>It is not possible to install Qlik Sense on a machine with QlikView Server already installed.</p>



*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.

### 2.1 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 2008 R2, 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
- 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.*

### 2.2 Qlik Sense (the hub)



*You cannot open a second app in a new tab in Microsoft Internet Explorer 11. You have to open the app in a new browser window.*

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

#### Microsoft Windows Server 2008 R2

- Microsoft Internet Explorer 11
- 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, 2016

- Microsoft Internet Explorer 11
- Google Chrome



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## 2 Supported browsers

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- 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

iPad 3rd Generation and above or iPhone 5 and above with latest iOS (script editing is not supported on tablet devices):

- Apple Safari

### Android

Version 4.4.4, 5.1.1, 6.0 and 7.0 (script editing is not supported on tablet devices):

- Google Chrome

### Windows Phone 8.1

- Microsoft Internet Explorer 11

### Windows 10 phone

- Microsoft Edge



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

## 2.3 Qlik Sense Mobile app

The Qlik Sense Mobile app is designed to work on the hardware and iOS versions listed in this section.

### iOS 10.3.2

- Qlik Sense Enterprise September 2017 or later
- iPad Air 2 or later
- iPad Pro



*iPhone is not supported.*