

SYSTEM REQUIREMENTS



Qlik 
Insight 

Introduction

There are several hardware and software configurations must be met before installing Qlik Insight Bot. This document provides the checklist of the items which should be required to be ready before starting Qlik Insight Bot installation.

Supported Languages

Qlik Insight Bot is available in following language(s):

1. English

Hardware

For Qlik Insight Bot Windows components

1. Hard Disk Space: 25 GB minimum
2. Memory: 32 GB minimum
3. CPU Cores: 8 minimum

For Qlik Insight Bot NLU

1. Hard Disk Space: 50 GB minimum
2. Memory: 32 GB minimum
3. CPU Cores: 8 minimum

Software

1. Platforms
 - a. **Qlik Insight Bot Windows components**
 - Windows Server 2012 or 2016 **-OR-** Windows 8 or 10
 - b. **Qlik Insight Bot NLU**
 - Operating System: Linux (with Administrator access)
Recommended –
 - RHEL 7.6
 - CentOS 7.5
 - Ubuntu 16.04/18.4 LTS
 - Docker v18.09/v19.03
 - Docker Compose utility
2. Qlik Sense Server April-2018 or above
3. Qlik Sense “Client” certificate
 - a. This certificate will be used by Qlik Insight Bot to connect with Qlik Sense.
4. The Qlik Insight Bot user must have a sheet and object creation permissions in Qlik Sense.
5. If Qlik Sense Server and Qlik Insight Bot are on separate machines, Qlik Sense Server must be accessible from Qlik Insight Bot Server.
6. Required Ports on Qlik Insight Bot machines

Port	Purpose
4431	Qlik Insight Bot Webchat Service will consume this port. It is required open in network to access webchat on hub and extension from Qlik Sense app.
4434	Qlik Insight Bot Engine Service will consume this port. If you are going to use Slack, MS Teams and Skype for Business (online) channels, this port is required open for external network. If Webchat Service is installed separately than other Qlik Insight Bot components, this port must be accessible from machine where Webchat Service is installed.

4435	Qlik Insight Bot Management Console will consume this port. If the Management Console needs to be accessible from outside the machine, this port is required open.
4436	Qlik Insight Bot Management Service will consume this port. It is not required to expose this port to outside the machine.
4437	Qlik Insight Bot NLP Service will consume this port. It is not required to expose this port to outside the machine.
5000	Qlik Insight Bot NLU will consume this port. This port must be accessible from the Qlik Insight Bot machine.
8001	Qlik Insight Bot Narrative Service will consume this port. It is not required to expose this port to outside the machine.

If Qlik Sense Server and Qlik Insight Bot are on separate machines, below ports are required open from Qlik Sense Server.

Port	Purpose
443	Qlik Sense Proxy Port or the port on which Qlik Sense hub is accessible. It is required to access the chart created in Qlik Sense using chart link created by Qlik Insight Bot.
4242	This port is used by Qlik Sense Repository Rest API. Qlik Insight Bot communicates with Qlik Sense Repository API on this port.
4747	This port is used by Qlik Sense Engine Service Rest API. Qlik Insight Bot communicates with Qlik Sense Engine API on this port.
4243	This port is used by Qlik Sense Proxy Service Rest API. Qlik Insight Bot communicates with Qlik Sense Proxy API on this port.

7. IIS 8.0 with below listed features enabled

For Windows 8 or superior:

- In Internet Information Services
 - In Web Management Tools
 - IIS Management Console
 - In World Wide Web Services
 - In Application Development Features
 - a) .NET Extensibility 4.5
 - b) ASP
 - c) ASP.NET 4.5
 - d) CGI
 - e) ISAPI Extensions
 - f) ISAPI Filters
 - g) WebSocket Protocol
 - In Common HTTP Features
 - a) Default Document
 - b) Direct Browsing
 - c) HTTP Errors
 - d) Static Content
 - In Health and Diagnostics
 - a) HTTP Logging
 - b) Request Monitor
 - c) Tracing
 - In Performance Features
 - a) Static Content Compression

- In Security
 - a) Request Filtering
 - b) Windows Authentication

For Windows Server 2012 or superior

- In Web Server
 - In Common HTTPS Features
 - a) Default Document
 - b) Direct Browsing
 - c) HTTP Errors
 - d) Static Content
 - In Health and Diagnostics
 - a) HTTP Logging
 - b) Request Monitor
 - c) Tracing
 - In Performance Features
 - a) Static Content Compression
 - In Security
 - a) Request Filtering
 - b) Windows Authentication
 - In Application Development Features
 - a) .Net Extensibility 4.5
 - b) ASP
 - c) ASP.NET 4.5
 - d) CGI
 - e) ISAPI Extensions
 - f) ISAPI Filters
 - g) WebSocket Protocol
 - In Management Tools
 - IIS Management Console
8. .NET framework 4.7.1
9. SSL Certificate assigned by certificate authority (CA) – for both Windows and Linux environments
10. Chat Platform(s) (based on user requirement)
- Slack
 - Microsoft Teams
 - Skype for Business (Online)
11. A valid Qlik Insight Bot License Key
12. Internet Connectivity on Qlik Insight Bot Windows and Linux environments
- Qlik Insight Bot connects to Licensing Service in order to register the product. It also connects to licensing service to validate the license at regular interval. Whitelist below URL and open below port on both Windows and Linux servers where Qlik Insight Bot will be installed.
- URL: <https://qiblicensserver.qlik.com>
 - Port: 443

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