SYSTEM REQUIREMENTS

Qlik Insight Bot™
November 2019

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**
        i. Server Operating System
            1. Windows Server 2019
            2. Windows Server 2016
            3. Windows Server 2012 R2
        ii. Client Operating System
            1. Windows 10
            2. Windows 8.1
    b. **Qlik Insight Bot Linux component**
        - Operating System: Linux
            Recommended –
            o RHEL 7.6/7.7
            o CentOS 7.5
            o Ubuntu 16.04/18.4 LTS
        - Docker v18.09/v19.03
        - Docker Compose utility
2. QSEfW February 2019 to November 2019
3. QSEfW license should be subscribed for Qlik Insight Bot
4. Qlik Sense "Client" certificate
    a. This certificate will be used by Qlik Insight Bot to connect with Qlik Sense.
5. The Qlik Insight Bot user should have a sheet and object creation permissions in order to create chart in Qlik Sense sheets. However, QIB will answer correctly if these permissions are not set.
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, Qlik Sense must be accessible from QIB machine. 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.
9200	This port is used by Qlik Sense License Service Rest API. Qlik Insight Bot communicates with Qlik Sense Licensing API on this port for getting license information.

7. IIS 8.0 with below listed features enabled

   For Windows 8 or 10:
   - 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 later

- 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)
    - Webchat on Qlik Sense Hub
    - Webchat using extension
    - Slack
    - Microsoft Teams
    - Skype for Business (Online)

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