HONEYWELL FORGE CYBERSECURITY PLATFORM

1911 (NOV 2019)

Remote Access Bridge

Installation Guide

CS-HFCPE502en-1911A

November 2019

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Contents

About this Guide

This document describes the installation requirements for the Remote Access Bridge.

Document scope

This guide describes how to install Remote Access Bridge.

Intended audience

This guide is for people who are responsible for the installation of Remote Access Bridge.

Prerequisite skills

This guide assumes basic knowledge of the Honeywell Forge Cybersecurity 1911 modules relevant to the Security Center, the VSE, or both, depending on your specific role.

Related documents

The following list identifies publications that contain information relevant to the information in this document.

Document Name	Document Number
Honeywell Forge Cybersecurity 1911 - Security Center Installation Guide	CS-HFCPE510en-1909A

Revision history

Revision	Supported Release	Date	Description
A	1909	September 2019	First release of product under the Honeywell Forge Cybersecurity brand
A	Release 510.2	August 29, 2019	Second release of ICS Shield documentation

1. Terms and definitions

Term	Definition
Communication Server (CS)	The Communication Server provides secure communication between the Security Center and the VSEs and, optionally, between the VSEs themselves.
DB	Database server component
Remote Access Bridge (RAB)	A Honeywell Forge Cybersecurity Platform component installed externally to the SC which enables secure remote access between the SC and the VSE. On receiving communication requests from the VSE and the RAG, it creates a secure bridge between them, thereby enabling a secure communications tunnel from the SC to the VSE, and from there to the required device.
Remote Access Gateway (RAG)	The Remote Access Gateway is part of Honeywell Forge Cybersecurity's remote access solution. When initiated, the Remote Access Gateway automatically pulls the connection details from the Security Center database.
reverse tunnel	A secured connection initiated by the VSE to the Security Center.
Security Center (SC)	Honeywell Forge Cybersecurity Platform component that is installed at the corporate data center. The security center is composed of various software components, which enable to remotely collect, analyze, view, manage, and store data retrieved from the VSEs. This data refers to the monitored network assets and devices found at the VSE's sites.
site	A remote physical location, such as an industrial plant, which includes one or more network environments and has at least one VSE.
tunnel	A secure connection established from the Security Center to the VSE.

Term	Definition
VSE	The Honeywell Forge Cybersecurity Platform component that is installed at the remote site, monitors the devices at the site, and provides additional functionalities such as remote access.

2. Platform Requirements

The platform requirements are as detailed below.

- **Operating System (OS)**
  - Windows 2012 R2 Server (64bit)
  - Windows 2016 Server (64bit)
- **Recommended hardware configuration**
  - **CPU**

    At least 4 cores
  - **RAM**

    At least 16GB
  - **Storage**

    Internal disk 100 GB or more

NOTES	• Remote Access Bridge installation is only supported if installed on physical drives or partitioned drives. Logical drives (subst) are not supported. • It is recommended that the installation follows standard IT guidelines such as virus protection and firewall.

3. Installation instructions

This chapter provides installation instructions for both new and upgrade installations.

3.1 New installation

To perform a new installation:

1. Decide which port to use for remote access (usually 443).
2. Place the .keystore file somewhere on the machine. You can either use the keystore created during the Communication Server installation or create a new keystore.

CAUTION	**The keystore file contains the private key to be used for the secure communication. As such, it is extremely sensitive and must be handled with utmost responsibility.**

3. Run the Installation executable with administrative privileges.
4. Provide the IP and port to be used.

NOTE	The IP address should be the FQDN or address accessible from the sites and the Remote Access Gateway. In SaaS configuration, this IP needs to be accessed from clients as well.

5. Browse for the keystore file.
6. In some rare occasions, a restart is required and is initiated automatically by the installer.

3.2 Upgrade installation

To perform an upgrade installation:

1. Back up the old installation folder, in particular, the NNkeystore file located in the root of the old installation.

NOTE	On most occasions, a restart is performed upon the Uninstallation's completion.

2. Uninstall the previous version by going to the path *C:\Program Files\RemoteAccessBridgeSupport\InstallInfo\4.x.x.x\Uninstall_RemoteAccessBridge* (currently always in Program Files).

3. Install the more recent version with administrative privileges. Use the keystore from the previous installation.

3.3 Uninstallation

To perform an uninstallation:

4. Inform the customer that a restart of the machine is required.
5. Launch the uninstaller from the path *C:\Program Files\RemoteAccessBridgeSupport\InstallInfo\4.x.x.x\Uninstall_RemoteAccessBridge*.

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CS-HFCPE502en-1911A
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