

IBM Security Verify Privilege On-Premises
Version 10.9

Installation Guide

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Last updated: September 21, 2020

Introduction

This installation guide applies to installations on Windows Server 2016.

ASP.NET WEBSITE

Privilege Vault is installed as an ASP.NET website. The setup.exe file sets up the website with the correct permissions and creates the settings in IIS.

SQL SERVER DATABASE

Privilege Vault requires an instance of SQL Server for the database and is installed by the setup.exe file if it is missing. The SQL Server database requires an SQL account with *db_owner* permission to complete the installation.

ADMINISTRATIVE ACCESS

Throughout the installation, you must be an administrator to perform most of these actions. Ensure that you are logged on to your system with a Windows account that has administrative rights.

Prerequisites

Important: Except for the Operating System, the following prerequisites are installed automatically by the installer. If you already have some of them installed or wish to install them yourself, then the installer skips over them.

If you are installing Privilege Vault for the first time, review the full list of system requirements and recommendations, which you can view with [the IBM Software Product Compatibility Reports tool](#).

SYSTEM REQUIREMENTS OVERVIEW

- **Windows Server 2016** operating system (2012 or later is suggested)
- Microsoft **SQL Server 2012** or later (Standard edition or higher is suggested)
- Microsoft **Internet Information Services (IIS) 7** or later
- Microsoft **.NET Framework 4.6.1** or later

Note: Windows Server 2016 comes with the .NET Framework already installed.

MORE RECOMMENDATIONS

1. Use an SSL certificate for Privilege Vault.
2. Run [Microsoft Update](#) on your server to make sure that all components are up-to-date.

Privilege Vault installer

DOWNLOAD THE LATEST VERSION OF PRIVILEGE VAULT

The latest version of Privilege Vault is available for [download](#). By clicking the “Automated” Installer link, a setup.exe file is downloaded to your computer. It is suggested that you run the setup.exe file as an administrator.

RUNNING THE INSTALLER

Welcome

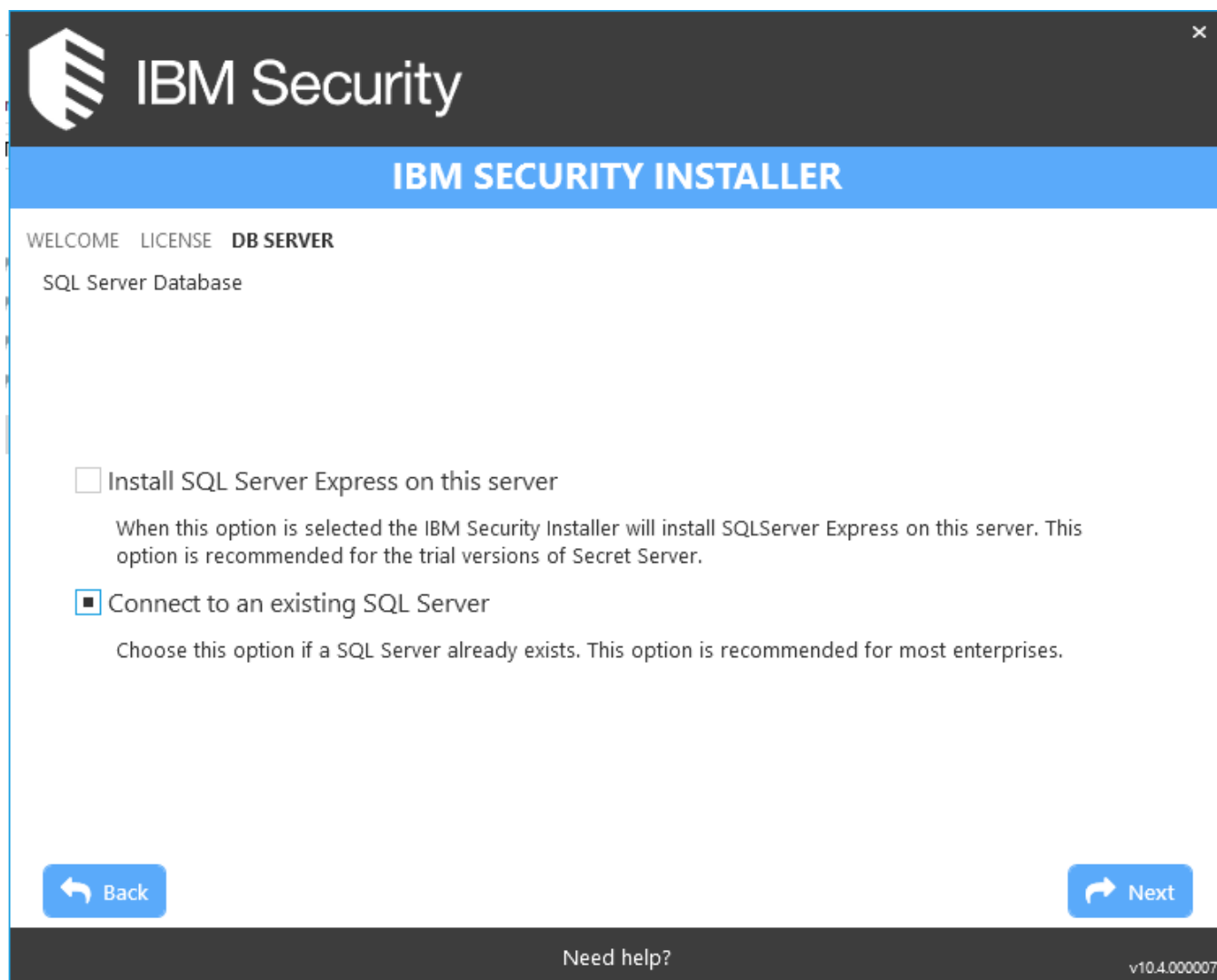
On the **Welcome** window, verify that the Privilege Vault box is selected, and click **Next**. Installing Privilege Manager is optional. Click **Next** to proceed.



Database

The **Database** page allows the user to choose to install SQL Express or connect to an existing SQL Server. When SQL Express is selected, the installer requires internet access to download the installation for SQL Server Express. The Express edition is only suggested for trial and sandbox environments.

- If internet access is not available a link to download SQL Server Express is displayed. At that point, they are expected to install SQL Server Express and then restart the installer.
- If internet access is available SQL Server Express is installed.



Pre-Requisites

The **Pre-Requisites** page ensures that every prerequisite is set up correctly. Listed prerequisites can be installed outside of the installer, but if not, the installer can install and configure them. Consider the page as non-IBM server configuration. If issues exist, see the vendor-provided resources online to get the solution you need, as these prerequisites are not installation features that are specific to IBM.



Database Connection

The **Database Connection** page contains the connection information that both Privilege Vault and Privilege Manager uses. You must click **Test Connection** and complete the test successfully before installation can continue. After connection is established, click **Next**.

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WELCOME LICENSE DB SERVER PRE-REQUISITES **DB CONNECTION** CREATE USER

SQL Server Location

Server name or IP 5.7

Database name ssdb

SQL Authentication

- SQL Server Authentication (SQL Server authentication requires Mixed Mode)
 - User name** admin
 - Password** ●●●●●●●●
- Windows Authentication using Service Account

Advanced (not required)

Back Test Connection Next

Need help? v10.4.000007

If you choose **SQL Server Authentication**, next the Database Connection Window **Account** tab prompts for the server location where your SQL database is installed. Provide the **Server Name** or **IP address** for your Database server and Authenticate with Administrator SQL credentials. If your database does not yet exist, when you click "Test Connection" the Installer creates it. After the connection test completes successfully, click **Next**.

Create User

Enter the information for the initial Privilege Vault user. Remember these credentials as they are necessary to log in to the web application after installation completes.

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WELCOME LICENSE DB SERVER PRE-REQUISITES DB CONNECTION **CREATE USER** EMAIL

Please enter credentials for your initial Secret Server Administrator.

User Name

Display Name

Email

Password

Confirm Password

! IMPORTANT: KEEP THIS INFORMATION

This user name and password is used to administer Secret Server. It is the initial administrator and will be used to install licenses, create users, and setup advanced features. If you lose the password for this account, you will be unable to use these credentials in the event of an emergency.

I understand

Need help? v10.4.000007

Email Server

Enter connection information for the email server. This step is also optional and can be configured later in the application. Configure email for both Privilege Vault and Privilege Manager.

The screenshot shows the 'EMAIL' configuration step in the IBM Security Installer. The interface includes a navigation bar with steps: WELCOME, LICENSE, DB SERVER, PRE-REQUISITES, DB CONNECTION, CREATE USER, and EMAIL. The main content area contains the following fields and options:

- Email Server:** A text input field.
- From Address:** A text input field.
- Use SSL:** A checkbox, currently unchecked.
- Use Custom Port:** A checkbox, currently unchecked.
- Port:** A text input field containing '25', with a help icon (question mark) to its right.
- Authentication required:** A checkbox, currently unchecked.
- User name:** A text input field.
- Domain:** A text input field with a help icon (question mark) to its right.
- Password:** A text input field.

At the bottom, there are four buttons: 'Back' (with a left arrow), 'Skip Email' (with a right arrow), 'Send Test Email' (with a lightning bolt icon), and 'Next' (with a right arrow). The footer contains the text 'Need help?' and the version number 'v10.4.000007'.

Review

On the **Review** page, most settings are set to user defaults and they can still choose to modify those settings. Certain validations occur before the installation can begin.

WELCOME LICENSE DB SERVER PRE-REQUISITES DB CONNECTION ACCOUNT CREATE USER EMAIL **REVIEW**

Review the installation options and then click Install to continue.

Name	Setting	
SQL Server	Using Existing SQL Server	Modify
Database Connection	ssdb on demodb (trusted auth)	Modify
Encryption Configuration	New File	Modify
Site Name	Default Web Site	Modify
Secret Server Destination	C:\inetpub\wwwroot\SecretServer	Modify
Secret Server App Name	SecretServer running as DEMODB\administrator	Modify
Privilege Manager Destination	C:\inetpub\wwwroot\TMS	Modify
Privilege Manager App Name	TMS running as DEMODB\administrator	Modify
Create User	admin	Modify
Email Server	Skipped	Modify

Back Install

Need help? v10.4.000007

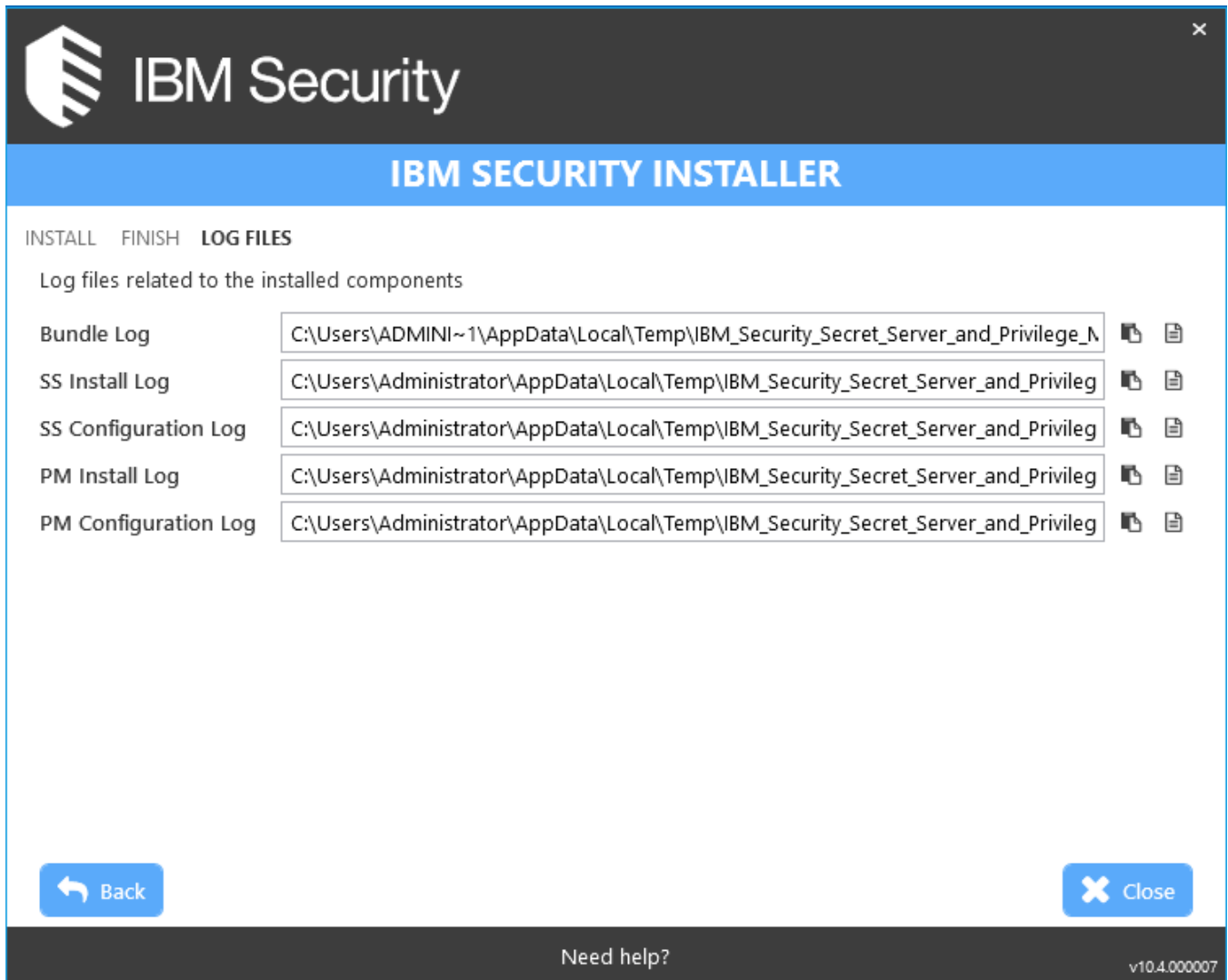
Install

The **Install** page shows the status from log files as both Privilege Vault and Privilege Manager are installed.



Log Files

After the applications are installed, the installer opens a web browser to the Privilege Vault login page. Installation is complete and you can start by using both Secret and Privilege Manager. If the installation fails or you want to view the logs from the installation, click **View Log Files**.



Browsing to Privilege Vault

After the installation completes successfully, click the provided **Privilege Vault URL** to browse to your setup landing page or open a browser and browse to where your Privilege Vault is located, for example:

http://localhost/secretserver.

For information about using Privilege Vault, see resources that are listed in the [support portal](#).

Browsing to Privilege Manager

When the install has successfully completed, click the provided **Privilege Manager URL** to navigate directly to your setup landing page or open a browser and navigate to where your Privilege Manager is located, for example: **<http://localhost/TMS/PrivilegeManager>**.