

MSSQL Renewal Agent Integration Guide (Windows)

Prerequisites

To get the MSSQL Renewal Agent working smoothly with your deployed instance of CertSecure Manager, you'll need a few key things.

1. Administrative Privileges

You must be logged in as a local administrator on the target machine where you want to install the agent.

2. MSSQL Server Account with Required Permissions

To set up the renewal agent you also need a SQL Server configured with appropriate permissions.

3. Connectivity

CertSecure Manager must be accessible from the machine running the SQL Server. To validate, try visiting <https://your-certsecure-backend-url/check> using a browser.

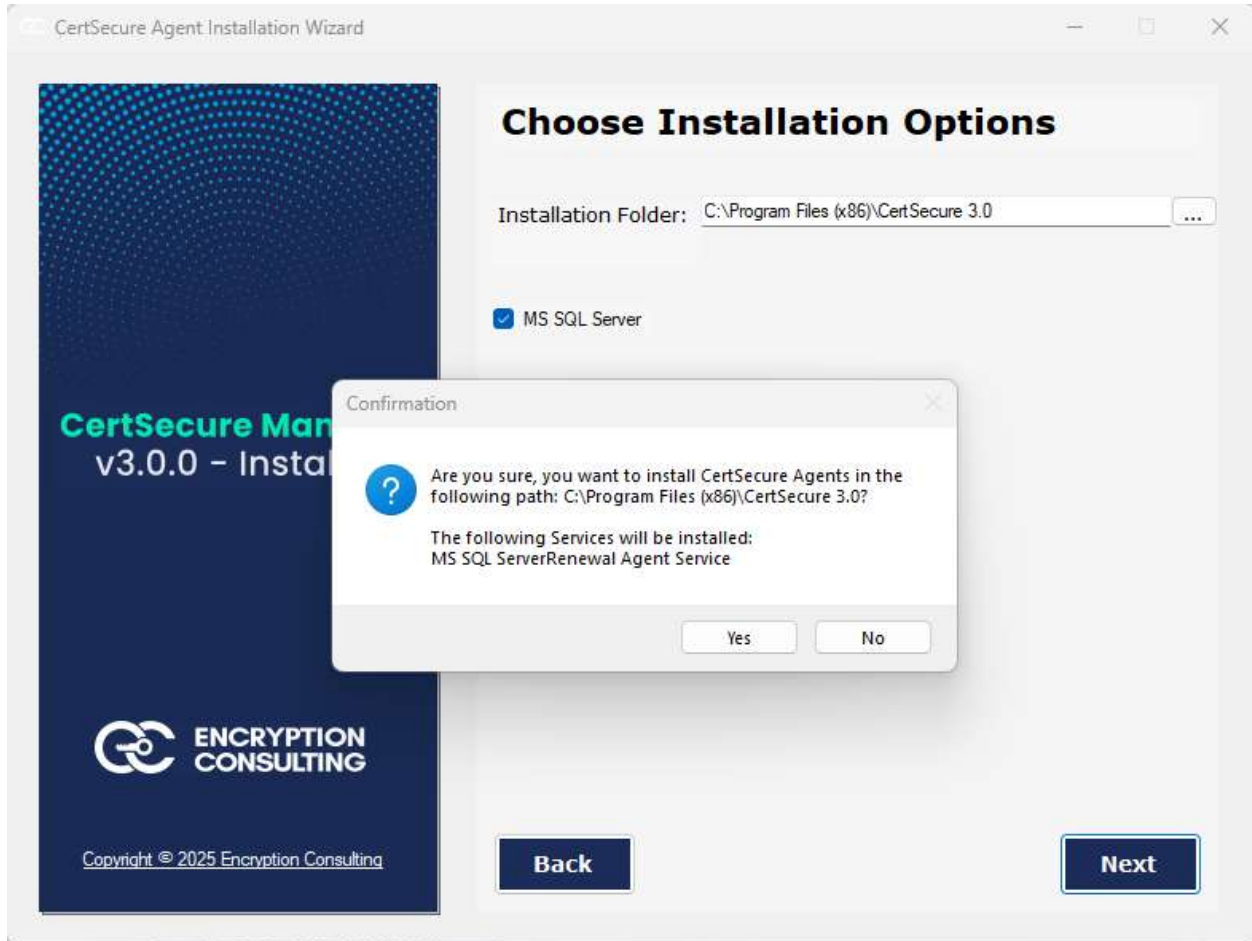
You must also be able to connect to your MSSQL Server instance from the target machine; therefore, ensure that port 1433 (or your configured port) is open and accessible.

Installation

After confirming the prerequisites, you can set up the renewal agent using the installer.

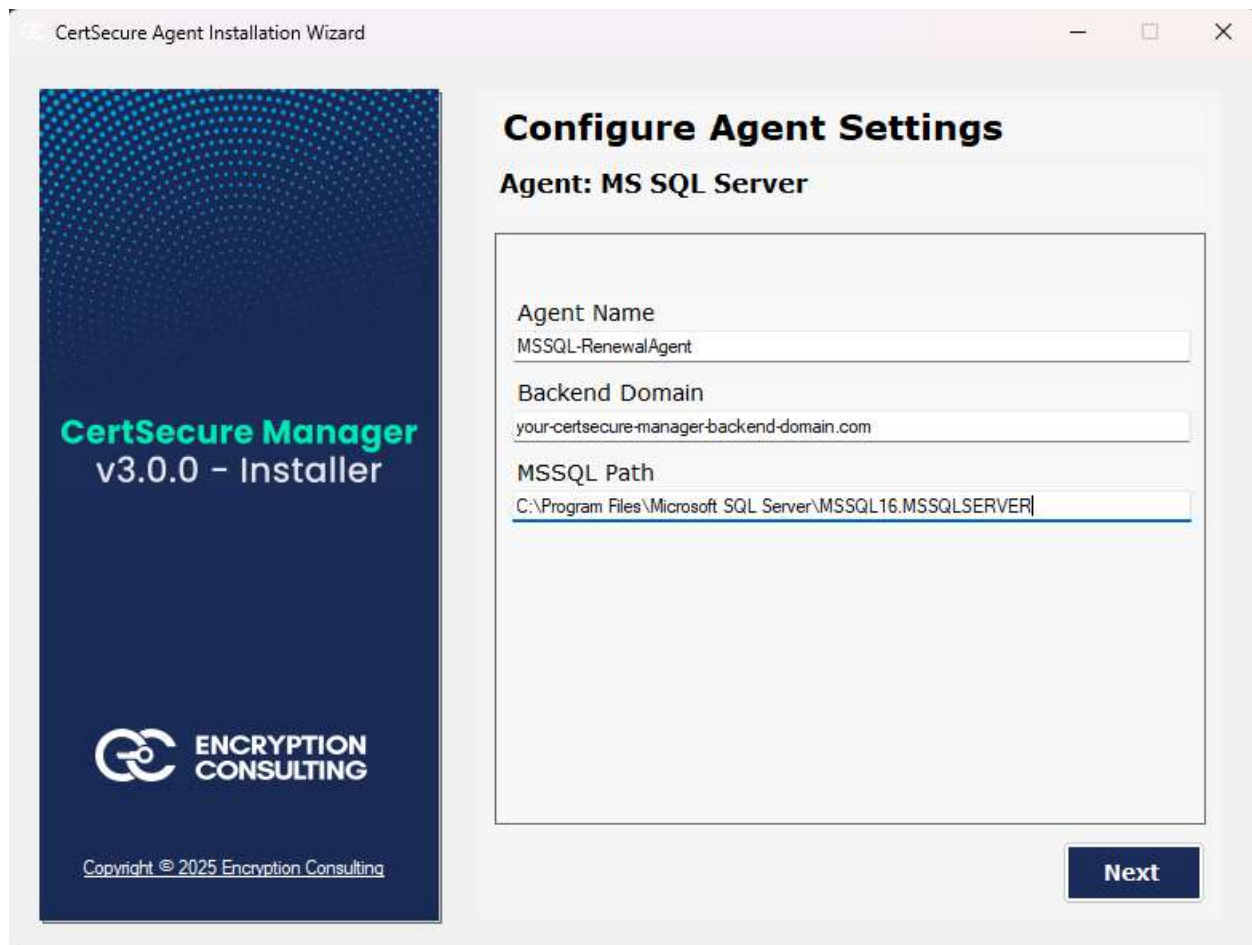
1. Configuration and Installation

Run the Renewal agent installer as an administrator and choose the MSSQL renewal agent for installation.



Step 1: Mention the required details

- Provide a unique name for the agent.
- Provide Path to MS SQL Server.
- Provide the URL for your CertSecure Manager backend.



Step 2: Register and run the agent

- On the CertSecure Manager UI, go to Utilities → Agents and then click on Create Registration token.
- Provide the registration token when the installer prompts to do so.
- Now mention the MSSQL Server account credentials (SQL Authentication or Windows Authentication).
- Wait for the installer to finalize the installation and then close the installer.

Dashboard > Renewal Agents

Search Enrollment ID or Serial Number

Agents

It comprises of Renewal Agents, Discovery Agents and Third-Party Integration Tools (SPL, Ansible, CI). Renewal Agents are automation applications deployed on web servers like (Apache, Tomcat, IIS, and more), load balancers (F5), and database servers (MongoDB, Oracle Database Server, Microsoft SQL Server, and more.) to continuously monitor and automate certificate related workflows providing a single pane of glass for all the automation agents where you can configure and manage them. Discovery Agents section provides the capability to register discovery agents for the discovery scan using a registration token generated from the create registration token option as well as monitoring its status.

Renewal AgentsDiscovery AgentsCI ToolSIEM ToolsDevOps Tools

Create Registration TokenDownload

Search KeywordClearRefresh

Agent Name	IP Address	Type	Status	Cert Info
LinuxNginx			Offline	View Details
MongoDB-Test009			Offline	View Details
Nginx-Windows			Offline	View Details
MongoDB-RenewalAgent-Win2			Offline	View Details
OracleDB-RenewalAgent-Test	102.240.14.01	OracleDB	Online	View Details
newNginxAgent	103.157.240.27	Nginx	Offline	View Details
IIS_Agent_new	103.157.240.27	IIS	Offline	View Details
IISAgent_ra_new	103.157.240.27	IIS	Offline	View Details
IIS_Agent_Introdo_Rag	103.157.240.74	IIS	Offline	View Details
newNginxIA	103.201.13.4204	Nginx	Offline	View Details

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Token Generated

nSh8KVzdmToduDOT6J1W

CopyCancel

CertSecure Agent Installation Wizard

CertSecure Manager
v3.0.0 - Installation

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Install Service

Click the 'Install' button to install and start the service.

```
Service updated
Service installation completed.
Starting Renewal Agent Service...
INFO: Agent Debug Mode exiting after timeout.
The RenewalAgent -
complete.
at: C:\MSSQL\cert
```

Open Logs...

Install

Registration Key Required

Enter Agent Registration Key:

nSh8KVzdmToduDOT6J1W

Submit

Validation

After the installation has finished, you can validate the installation by following these steps:

1. Validation

Step 1: Validate

- On the CertSecure Manager UI, go to Utilities → Agents. You can see a renewal agent with the name provided during installation.
- On the target machine, run services.msc and look for EC_MSSQL_Renewal_Agent, you can monitor and manage the renewal agent from here.
- You can also monitor the agent logs by accessing the log file at C:/CertSecure/logs/mssql_agent.log.
- Connect to SQL Server Management Studio and verify SSL certificate bindings in SQL Server Configuration Manager.

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Renewal Agents

Discovery Agents

CLI Tool

SIEM Tools

DevOps Tools

+ Create Registration Token

Download

Search Keyword

Clear

Refresh



Agent Name	IP Address	Type	Status	Cert Info
v	192.168.1.28	MSSQLStandalone	Offline	No Details found
apache-testing-installer	192.168.1.28	Apache	Offline	View Details
iis-ra000	192.168.1.28	IIS	Offline	No Details found
test-certsecure-nginx	103.148.190.82	nginx	Offline	View Details
test-certsecure-nginx-testing	103.148.190.82	Nginx	Offline	No Details found
newTest	103.148.190.82	Nginx	Offline	No Details found
newTest-5	103.148.190.82	Nginx	Offline	View Details
MSSQL-RenewalAgent	117.233.146.131	MSSQLStandalone	Offline	No Details found
MongoDB-RenewalAgent	117.233.146.131	MongoDBStandalone	Online	No Details found
Oracle-RenewalAgent	117.233.146.131	OracleDB	Offline	No Details found

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Services

File Action View Help



Services (Local)

Services (Local)

Select an item to view its description.

Name	Description	Status	Startup Type	Log On As
EC_Apache_RenewalAgent	Renewal ag...		Automatic	Local System
EC_F5_RenewalAgent	Renewal ag...		Automatic	Local System
EC_IIS_RenewalAgent	Renewal ag...		Automatic	Local System
EC_MongoDBStandalone_R...	Renewal ag...	Running	Automatic	Local System
EC_MSSQLStandalone_Rene...	Renewal ag...	Running	Automatic	Local System
EC_nginx_RenewalAgent	Renewal ag...		Automatic	Local System
EC_OracleDB_RenewalAgent	Renewal ag...		Automatic	Local System