

Prerequisites:

To get the Apache 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 and the Apache webserver is running.

2. Connectivity:

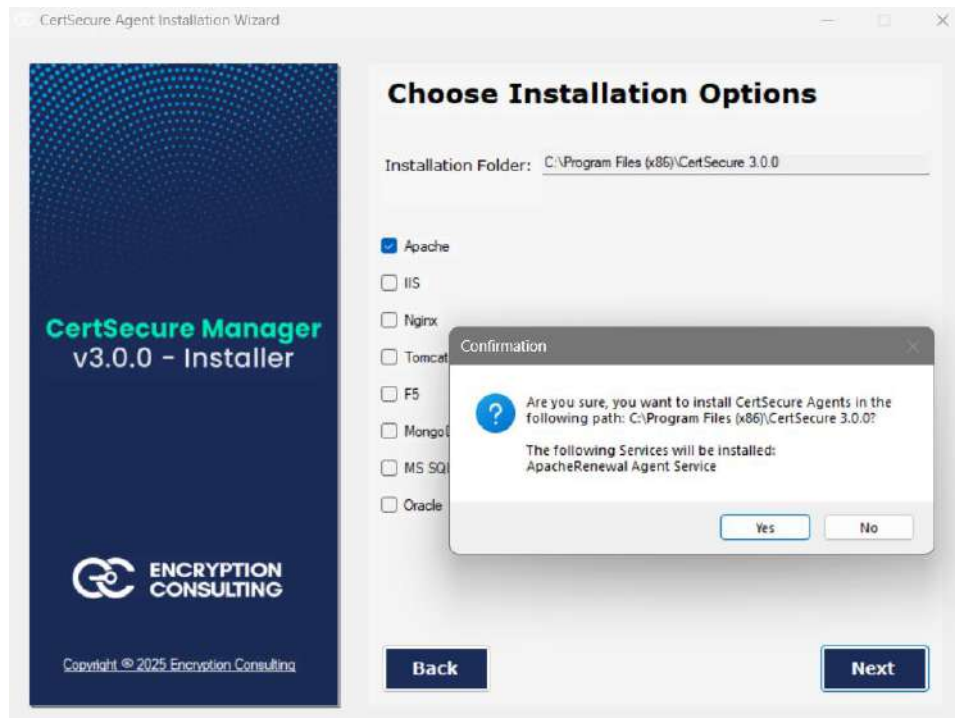
CertSecure Manager must be accessible from the machine running the webserver. To validate, try visiting <https://your-certsecure-backend-url/check> using a browser.

Installation

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

1. Configuration and Installation

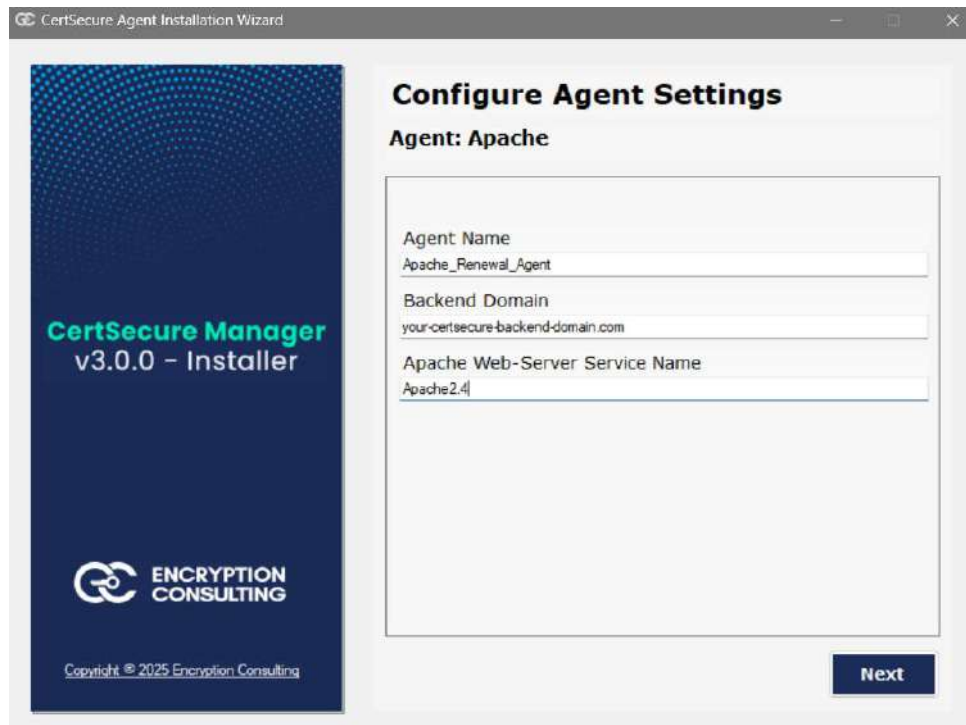
Run the Renewal agent installer as an administrator and choose the Apache renewal agent for installation.



Steps:

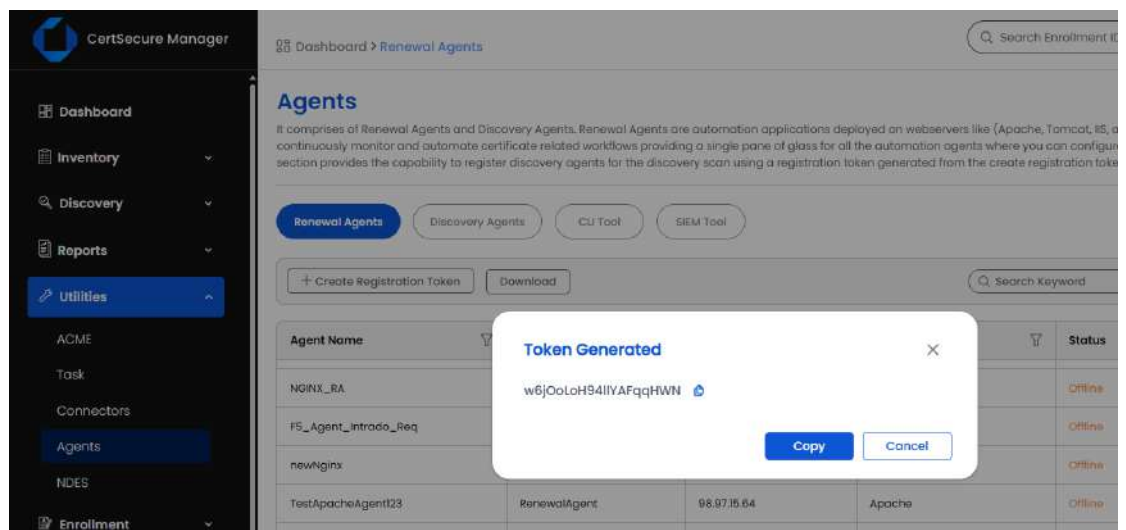
Step 1: Mention the required details

- Provide a unique name for the agent.
- Provide the service name for the Apache webserver service running on the target machine (Apache2.4 by default).
- Provide the URL for your CertSecure Manager backend.

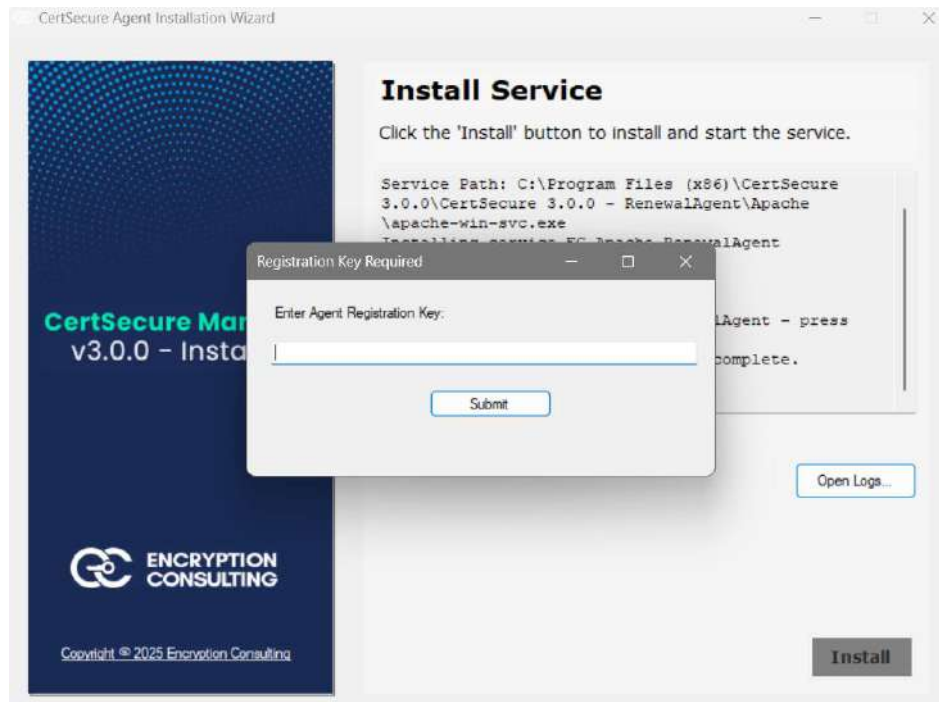


Step 2: Register and run the agent

- 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.



- Wait for the installer to finalise the installation and then close the installer.

Validation

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

1. Validation

Steps:

Step 1: Validate

- On the CertSecure Manager UI, go to Utilities → Agents. You can see a renewal agent with the name provided during installation.

Agents

It comprises of Renewal Agents and Discovery Agents. Renewal Agents are automation applications deployed on web servers like (Apache, Tomcat, IIS, and more), load balancers (F5) 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.

Agents | Discovery Agents | CLI Tool | SSM Tool

+ Create Registration Token | Download | Search Keyword | Clear | Refresh | ID

Agent Name	Agent Type	IP Address	Type	Status	Cert Info
nginx	RenewalAgent	103.148.181.28	nginx	Offline	View Details
TestApacheAgent023	RenewalAgent	96.97.95.64	Apache	Offline	No Details found
TestSQLAgent023	RenewalAgent	96.97.95.64	MySQLStandalone	Offline	No Details found
nginx-Renewal-Agent	RenewalAgent	103.148.180.82	nginx	Online	No Details found
Apache_Renewal-Agent	RenewalAgent	103.148.180.82	Apache	Online	No Details found

- On the target machine, run services.msc and look for EC_Apache_Renewal_Agent, you can monitor and manage the renewal agent from here.

Services (Local)

EC_Apache_RenewalAgent

Stop the service
Restart the service

Description:
Renewal agent for automating the management of Apache endpoint SSL/TLS certificate

Name	Description	Status	Startup Type	Log
EC_Apache_RenewalAgent	Renewal age...	Running	Automatic	Loc
EC_nginx_RenewalAgent	Renewal age...	Stopping	Automatic	Loc
Embedded Mode	The Embedd...		Manual (Trigg...	Loc
Encrypting File System (EFS)	Provides the...		Manual (Trigg...	Loc
Enterprise App Managemen...	Enables ente...		Manual	Loc
Extensible Authentication Pr...	The Extensib...		Manual	Loc
File History Service	Protects user...		Manual (Trigg...	Loc
FileSyncHelper	Helper servic...	Running	Manual (Trigg...	Loc

- You can also monitor the agent logs by accessing the log file at **C:/CertSecure/logs**.