

Setting up ADCS for auto-enrolling Chrome devices



Setting up CEP and CES



Setting up CEP and CES

All Servers → Add Roles and Features

The screenshot displays the Windows Server Manager interface. The left-hand navigation pane shows the following items: Recycle Bin, Google Chrome, NetBeans IDE 7.4, ca-cert.cer, Git Shell, GitHub, and test-cert.crt. The main window is titled 'Server Manager' and shows the 'All Servers' view. A navigation pane on the left lists 'Dashboard', 'Local Server', 'All Servers' (selected), 'AD DS', 'DNS', 'File and Storage Services', and 'IIS'. The main content area shows a 'Available Memory' section with a graph and a table of server alerts. Below this is the 'ROLES AND FEATURES' section, which displays a list of roles and features for the server 'WINMAIN'. A context menu is open over the list, showing options: 'Add Roles and Features', 'Remove Roles and Features', and 'Refresh'.

Available Memory

Server Name	Counter Status	CPU Alert Count	Memory Alert Count	First Occurrence	Last Occurrence
WINMAIN	Off	-	-	-	-

ROLES AND FEATURES
All roles and features | 63 total

Server Name	Name	Type	Path
WINMAIN	WoW64 Support	Feature	WoW64 Support
WINMAIN	Wireless LAN Service	Feature	Wireless LAN Service
WINMAIN	Windows Process Activation Service	Feature	Windows Process Activation Service
WINMAIN	Configuration APIs	Feature	Windows Process Activation Service\Configuration APIs
WINMAIN	Process Model	Feature	Windows Process Activation Service/Process Model
WINMAIN	Remote Server Administration Tools	Feature	Remote Server Administration Tools

Context Menu Options:

- Add Roles and Features
- Remove Roles and Features
- Refresh

Add Active Directory Certificate Services

Add Roles and Features Wizard

DESTINATION SERVER
winmain.chrome.lan

Select server roles

Select one or more roles to install on the selected server.

Roles

- Active Directory Certificate Services
- Active Directory Domain Services (Installed)
- Active Directory Federation Services
- Active Directory Lightweight Directory Services
- Active Directory Rights Management Services
- Application Server
- DHCP Server
- DNS Server (Installed)
- Fax Server
- File And Storage Services (Installed)
- Hyper-V
- Network Policy and Access Services
- Print and Document Services
- Remote Access
- Remote Desktop Services

Description

Active Directory Certificate Services (AD CS) is used to create certification authorities and related role services that allow you to issue and manage certificates used in a variety of applications.

< Previous Next > Install Cancel

Component	Category	Type	Description
WINMAIN	Wireless LAN Service	Feature	Wireless LAN Service
WINMAIN	Windows Process Activation Service	Feature	Windows Process Activation Service
WINMAIN	Configuration APIs	Feature	Windows Process Activation Service(Configuration APIs)
WINMAIN	Process Model	Feature	Windows Process Activation Service(Process Model)
WINMAIN	Remote Server Administration Tools	Feature	Remote Server Administration Tools

Add CEP and CES roles

The screenshot shows the 'Add Roles and Features Wizard' in Windows Server 2012 R2. The wizard is titled 'Add Roles and Features Wizard' and is running on the 'DESTINATION SERVER winmain.chrome.lan'. The current step is 'Select role services'. The left-hand navigation pane shows the following steps: Before You Begin, Installation Type, Server Selection, Server Roles, Features, AD CS, Role Services (selected), Confirmation, and Results. The 'Role Services' section is expanded, showing a list of services to be installed for Active Directory Certificate Services. The 'Certification Authority' service is selected, and its description is shown on the right. The 'Next >' button is highlighted, indicating the user is ready to proceed to the next step.

Select role services

DESTINATION SERVER
winmain.chrome.lan

Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD CS
Role Services
Confirmation
Results

Select the role services to install for Active Directory Certificate Services

Role services

- Certification Authority
- Certificate Enrollment Policy Web Service
- Certificate Enrollment Web Service
- Certificate Authority Web Enrollment
- Network Device Enrollment Service
- Online Responder

Description

Certification Authority (CA) is used to issue and manage certificates. Multiple CAs can be linked to form a public key infrastructure.

< Previous Next > Install Cancel

Component	Source	Category	Description
WINMAIN	Wireless LAN Service	Feature	Wireless LAN Service
WINMAIN	Windows Process Activation Service	Feature	Windows Process Activation Service
WINMAIN	Configuration APIs	Feature	Windows Process Activation Service\Configuration APIs
WINMAIN	Process Model	Feature	Windows Process Activation Service\Process Model
WINMAIN	Remote Server Administration Tools	Feature	Remote Server Administration Tools

Install

Add Roles and Features Wizard

Installation progress

DESTINATION SERVER
winmain.chrome.lan

Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD CS
Role Services
Confirmation
Results

View installation progress

1 Feature installation

Installation started on winmain.chrome.lan

Active Directory Certificate Services
Certification Authority
Certificate Enrollment Policy Web Service
Certificate Enrollment Web Service

Remote Server Administration Tools
Role Administration Tools
Active Directory Certificate Services Tools
Certification Authority Management Tools

You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.

Export configuration settings

< Previous Next > Close Cancel

WINMAIN	Wireless LAN Service	Feature	Wireless LAN Service
WINMAIN	Windows Process Activation Service	Feature	Windows Process Activation Service
WINMAIN	Configuration APIs	Feature	Windows Process Activation Service\Configuration APIs
WINMAIN	Process Model	Feature	Windows Process Activation Service/Process Model
WINMAIN	Remote Server Administration Tools	Feature	Remote Server Administration Tools

After installation, click on *Configure AD CS on the destination server*

The screenshot displays the 'Add Roles and Features Wizard' in Windows Server. The 'Results' step is active, showing the installation progress for 'Active Directory Certificate Services' on the destination server 'winmain.chrome.lan'. The wizard indicates that configuration is required and provides a link to 'Configure Active Directory Certificate Services on the destination server'. Below this, a list of installed features is shown, including 'Active Directory Certificate Services', 'Certificate Enrollment Policy Web Service', 'Certificate Enrollment Web Service', 'Remote Server Administration Tools', 'Role Administration Tools', 'Active Directory Certificate Services Tools', and 'Certification Authority Management Tools'. A task pane on the right shows the 'TASKS' section with a dropdown menu.

Installation progress

DESTINATION SERVER
winmain.chrome.lan

Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD CS
Role Services
Confirmation
Results

View installation progress

Feature installation
Configuration required. Installation succeeded on winmain.chrome.lan.

Active Directory Certificate Services
Additional steps are required to configure Active Directory Certificate Services on the destination server
[Configure Active Directory Certificate Services on the destination server](#)

Certification Authority
Certificate Enrollment Policy Web Service
Certificate Enrollment Web Service

Remote Server Administration Tools
Role Administration Tools
Active Directory Certificate Services Tools
Certification Authority Management Tools

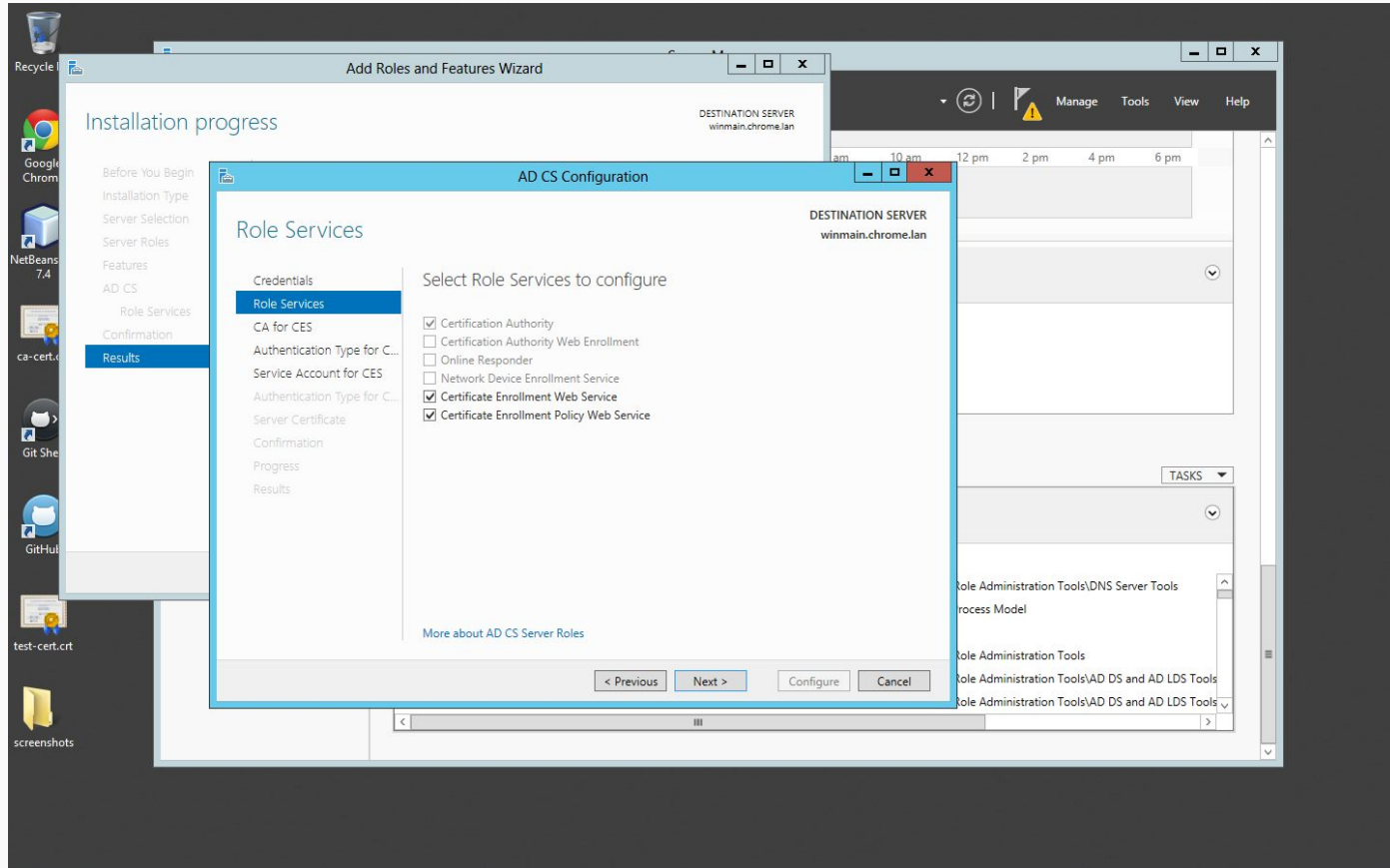
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.

Export configuration settings

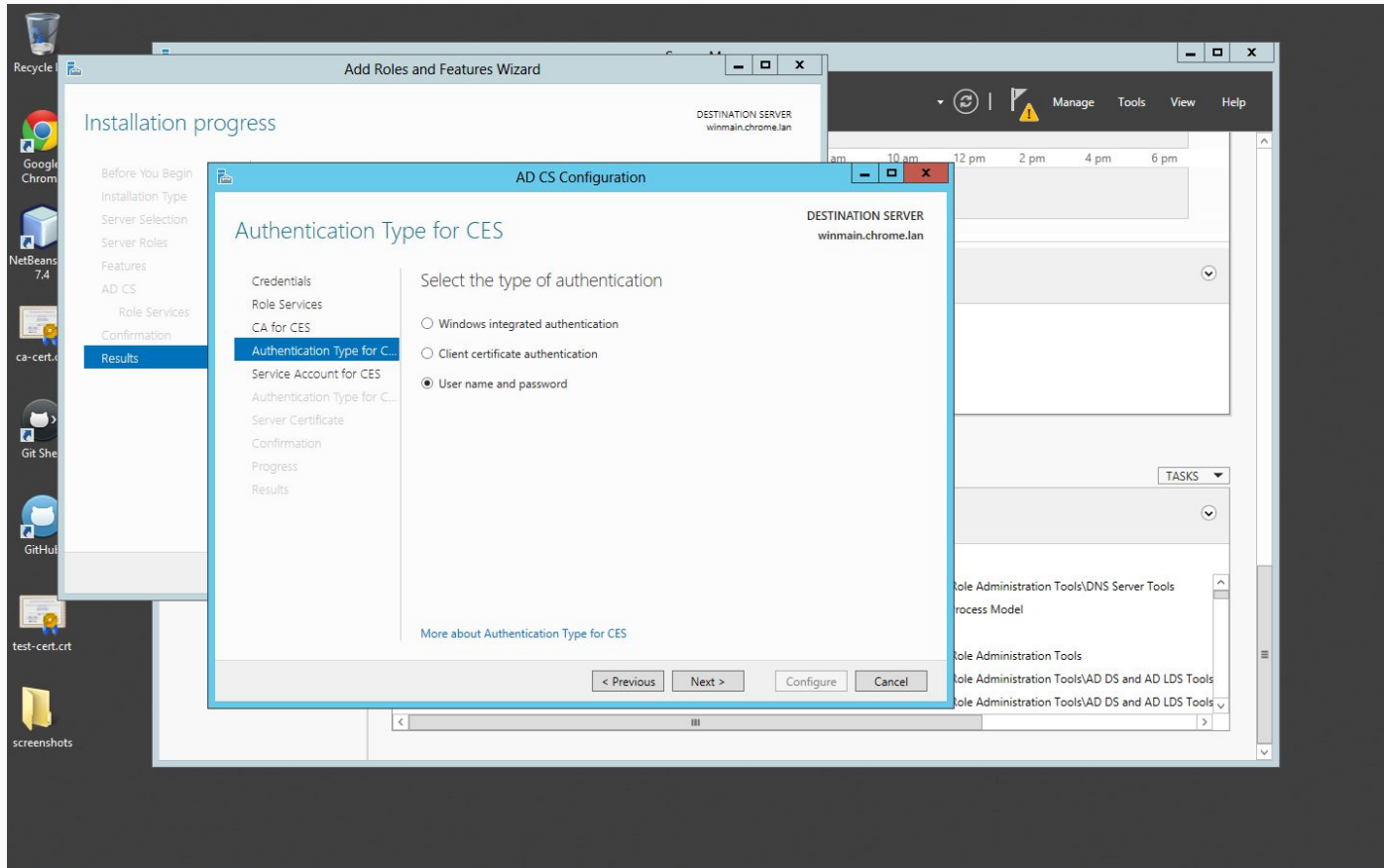
< Previous Next > Close Cancel

Computer Name	Feature Name	Feature Type	Path
WINMAIN	Process Model	Feature	Windows Process Activation Service\Process Model
WINMAIN	Remote Server Administration Tools	Feature	Remote Server Administration Tools
WINMAIN	Role Administration Tools	Feature	Remote Server Administration Tools\Role Administration Tools
WINMAIN	AD DS and AD LDS Tools	Feature	Remote Server Administration Tools\Role Administration Tools\AD DS and AD LDS Tools
WINMAIN	Active Directory module for Windows...	Feature	Remote Server Administration Tools\Role Administration Tools\AD DS and AD LDS Tools

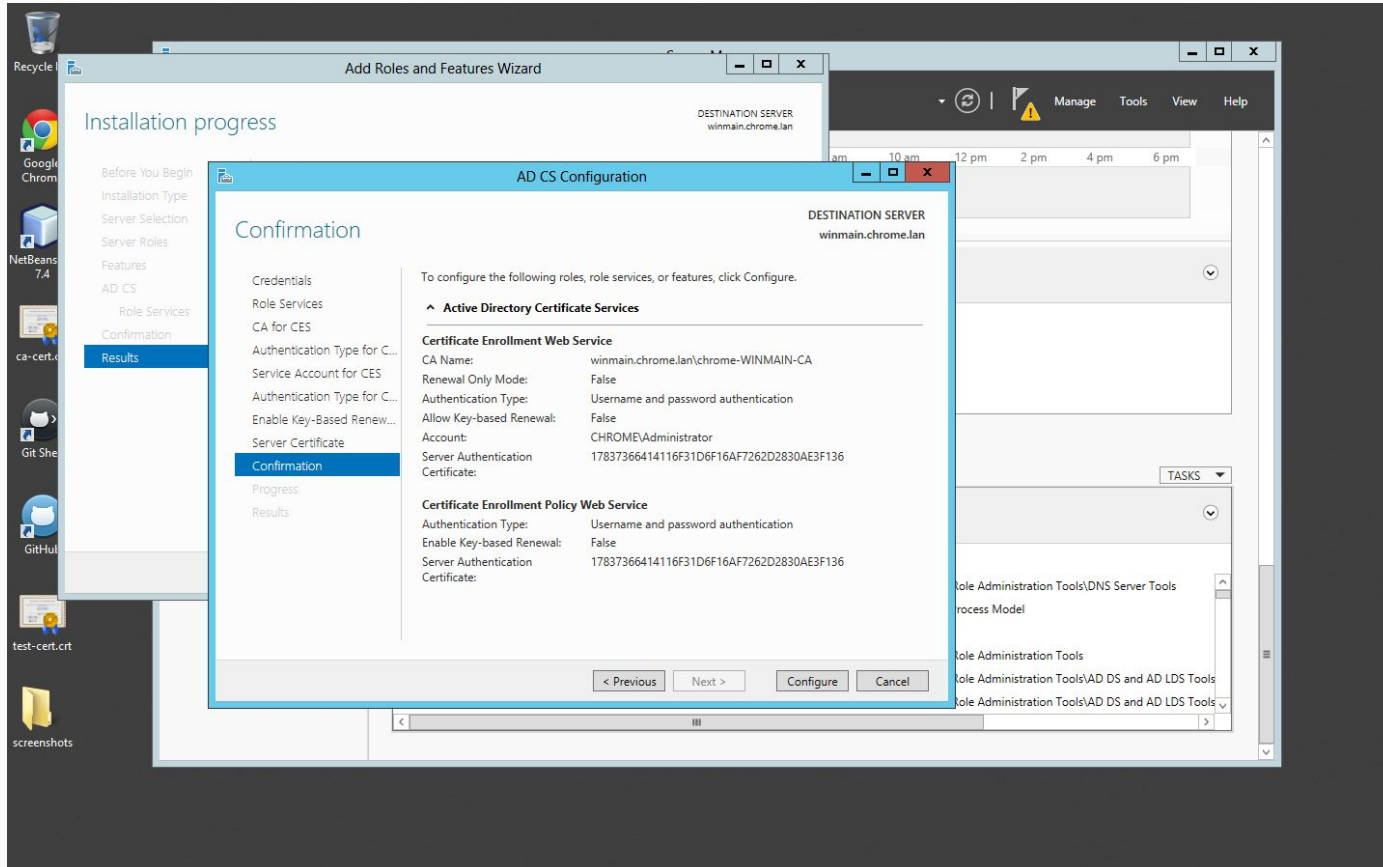
Select CEP and CES role service to configure



Select Username and password type authentication



Double check and confirm



Video tour

The screenshot displays the Windows Server Manager console. The title bar reads 'Server Manager - All Servers'. The left-hand navigation pane includes 'Dashboard', 'Local Server', 'All Servers', 'AD DS', 'AD FS', 'DNS', 'File and Storage Services', and 'IT'. The main area shows the 'Add Roles and Features Wizard' in progress. The 'Installation progress' window is centered, showing a progress bar and a list of installed roles and features. Below the window, a table lists the installed components.

Windows	Windows LAN Service	Default	Windows LAN Service
Windows	Windows Process Activation Service	Default	Windows Process Activation Service
Windows	Configuration Mgmt.	Default	Windows Process Activation Service\Configuration Mgmt.
Windows	Remote Hosts	Default	Windows Process Activation Service\Remote Hosts
Windows	Remote Server Administration Tools	Default	Remote Server Administration Tools

Creating and editing Certificate Templates



[Creating Certificate Templates](#)

[Certificate Templates Overview](#)

Video tour

