Installing AD CS

Server 2012R2

AD CS ROLE DESCRIPTION

- AD CS provides customizable services for issuing and managing digital certificates used in software security systems that employ public key technologies.
- The digital certificates that AD CS provides can be used to encrypt and digitally sign electronic documents and messages. These digital certificates can be used for authentication of computer, user, or device accounts on a network. Digital certificates are used to provide:
- Confidentiality through encryption
- Integrity through digital signatures
- Authentication by associating certificate keys with computer, user, or device accounts on a computer network

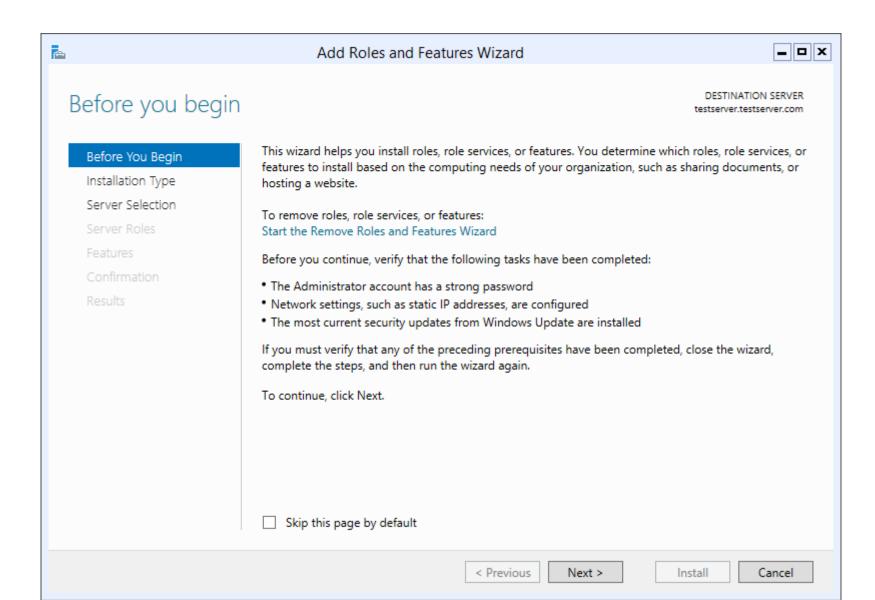
Practical Examples

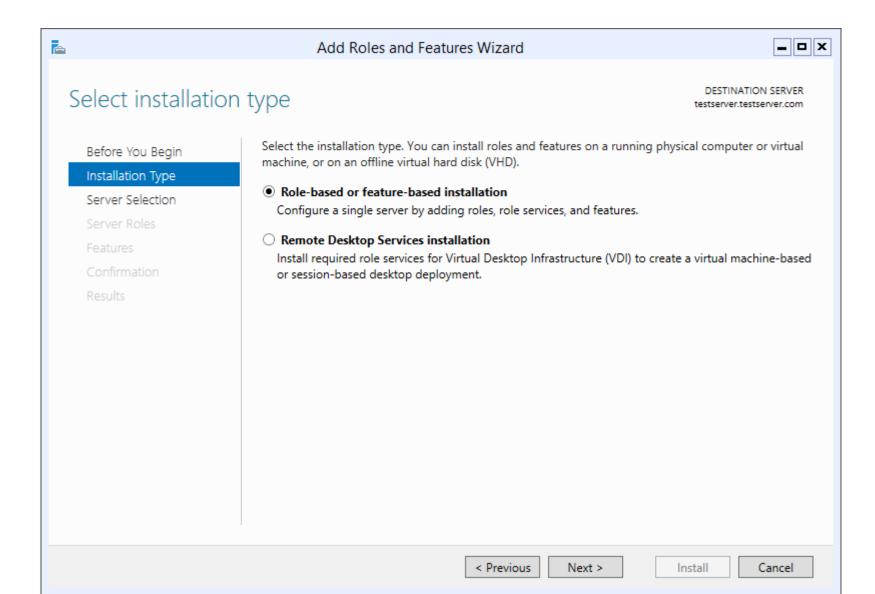
- You can use AD CS to enhance security by binding the identity of a person, device, or service to a corresponding private key.
- AD CS gives you a cost-effective, efficient, and secure way to manage the distribution and use of certificates.
- Applications supported by AD CS include Secure/Multipurpose Internet Mail Extensions (S/MIME), secure wireless networks, virtual private network (VPN), Internet Protocol security (IPsec), Encrypting File System (EFS), smart card logon, Secure Socket Layer/Transport Layer Security (SSL/TLS), and digital signatures.

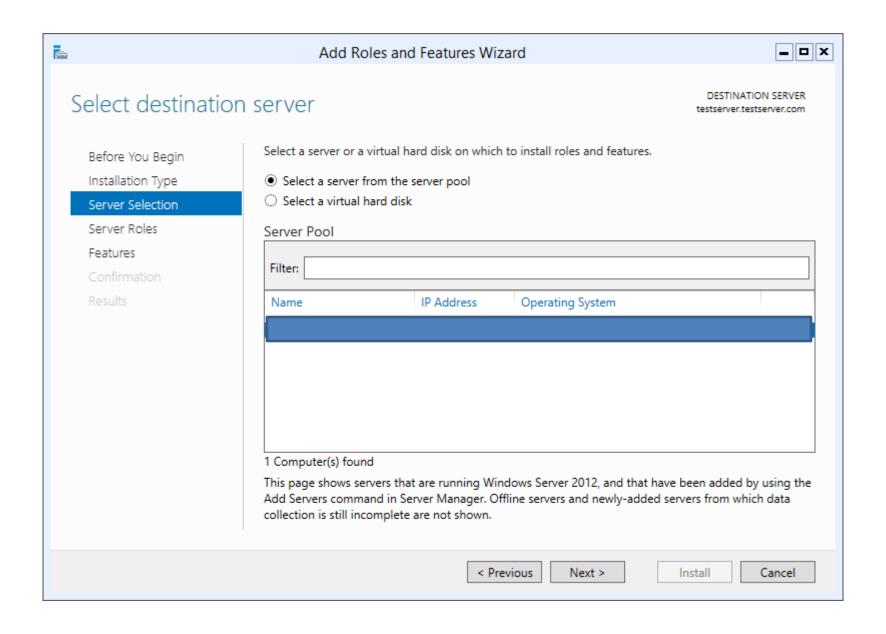


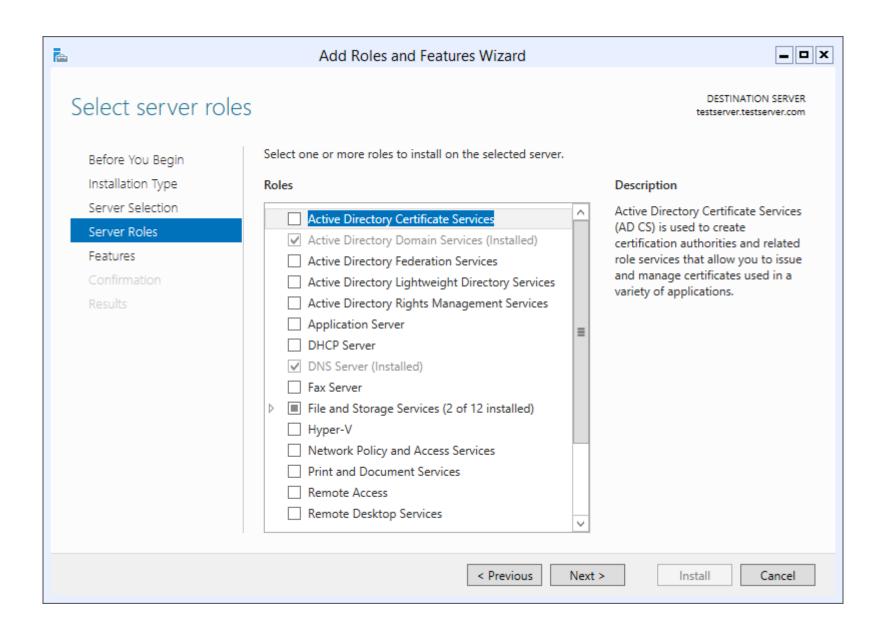
- 2 Add roles and features
- 3 Add other servers to manage
- 4 Create a server group
- 5 Connect this server to cloud services

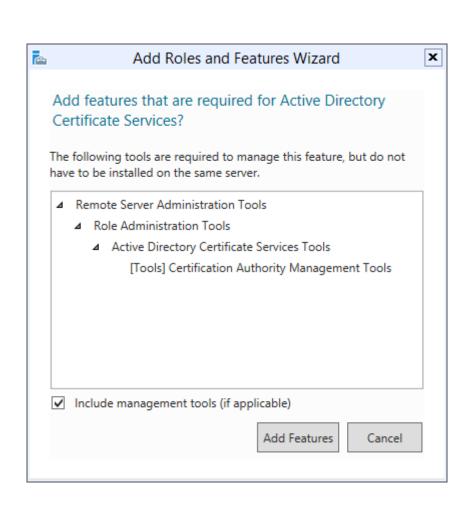
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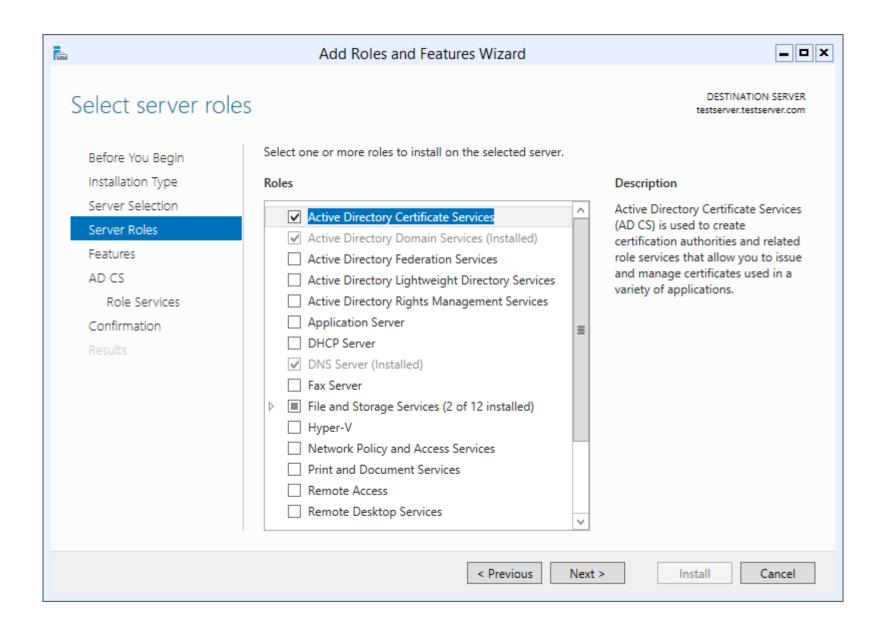


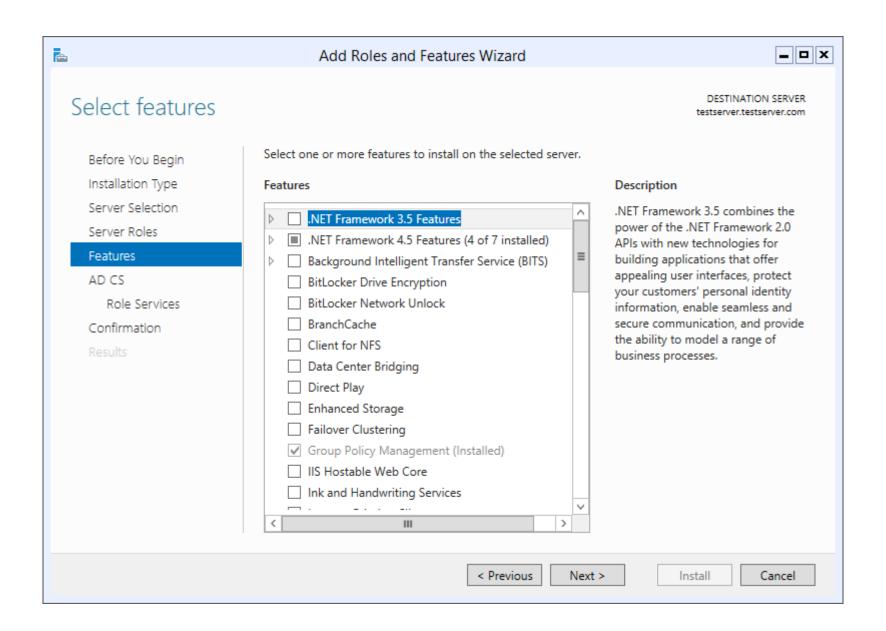












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Active Directory Certificate Services

Before You Begin

Installation Type

Server Selection

Server Roles

Features

AD CS

Role Services

Confirmation

Results

Active Directory Certificate Services (AD CS) provides the certificate infrastructure to enable scenarios such as secure wireless networks, virtual private networks, Internet Protocol Security (IPSec), Network Access Protection (NAP), encrypting file system (EFS) and smart card log on.

Things to note:

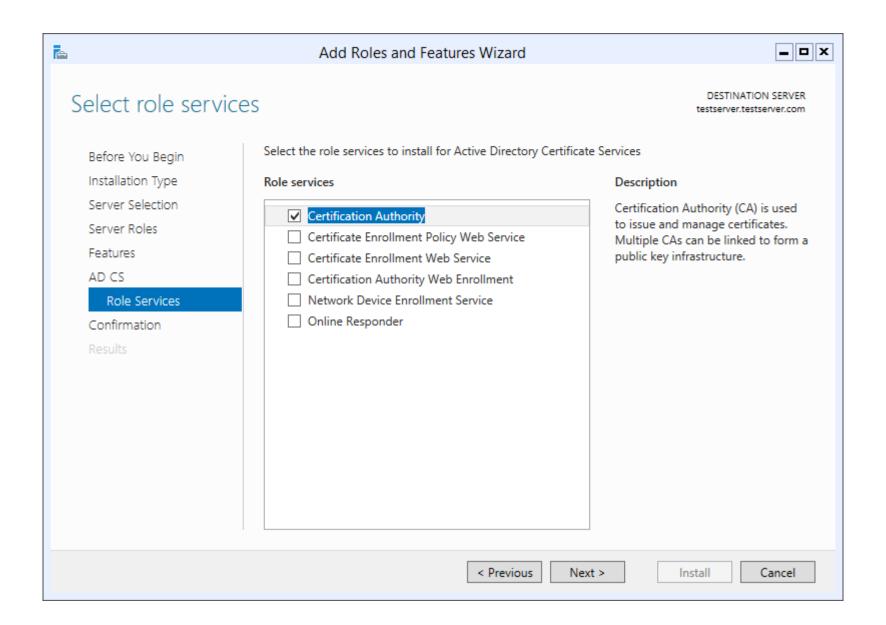
 The name and domain settings of this computer cannot be changed after a certification authority (CA) has been installed. If you want to change the computer name, join a domain, or promote this server to a domain controller, complete these changes before installing the CA. For more information, see certification authority naming.

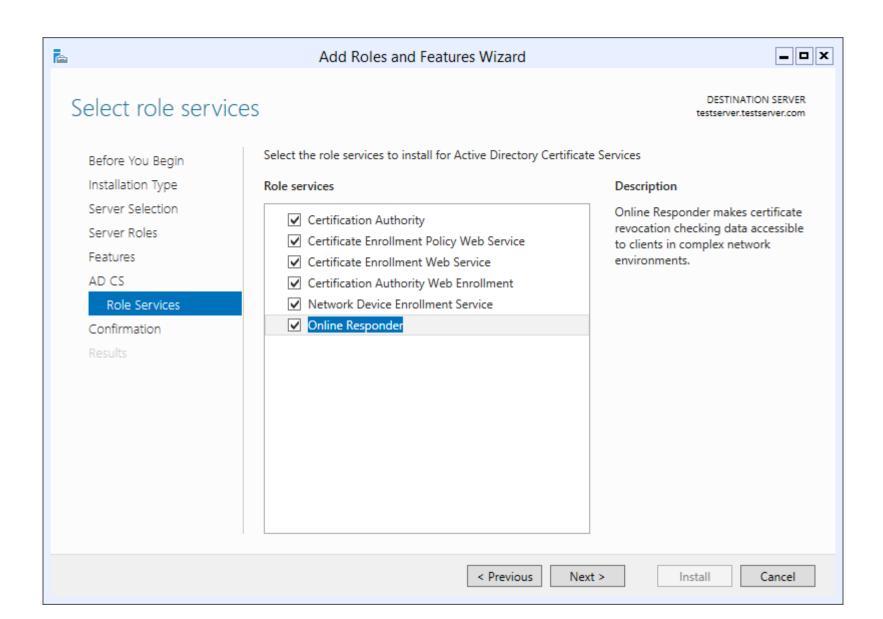
< Previous

Next >

Install

Cancel





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

The Certificate Enrollment Policy Web Service enables users and computers to obtain certificate enrollment policy information even when the computer is not a member of a domain or if a domain-joined computer is temporarily outside the security boundary of the corporate network. The Certificate Enrollment. Policy Web Service works with the Certificate Enrollment Web Service to provide policy-based automatic certificate enrollment for these users and computers.

The Certificate Enrollment Web Service enables users and computers to enroll for and renew certificates even when the computer is not a member of a domain or if a domainjoined computer is temporarily outside the security boundary of the computer network. The Certificate Enrollment Web Service works together with the Certificate Enrollment Policy Web Service to provide policy-based automatic certificate enrollment for these users. and computers.

Certification Authority Web Enrollment provides a simple Web interface that allows users to perform tasks such as request and renew certificates, retrieve certificate revocation lists (CRLs), and enroll for smart card certificates. Network Device Enrollment Service makes it possible to issue and manage certificates for routers and other network devices that do not have network accounts.

Online Responder makes certificate revocation checking data accessible to clients in complex network environments.



Add Roles and Features Wizard



Add features that are required for Online Responder?

The following tools are required to manage this feature, but do not have to be installed on the same server.

- Remote Server Administration Tools
 - Role Administration Tools
 - ▲ Active Directory Certificate Services Tools [Tools] Online Responder Tools

✓ Include management tools (if applicable)

Add Features

Cancel

