

Server Manager

← → ▾

Server Manager ▸ Local Server

↺ | ▴

Manage Tools View Help

Dashboard

Local Server

All Servers

File and Storage Services ▸

PROPERTIES

For DC

TASKS ▾

Computer name

DC

Last installed updates

Never

Workgroup

WORKGROUP

Windows Update

Download updates only

Last checked for updates

Never

Windows Defender Firewall

Public: On

Windows Defender Antivirus

Real-Time Protection: C

Remote management

Enabled

Feedback & Diagnostics

Settings

Remote Desktop

Disabled

IE Enhanced Security Configuration

On

NIC Teaming

Disabled

Time zone

(UTC+01:00) Brussels, C

Ethernet0

192.168.1.100

Product ID

Not activated

Operating system version

Microsoft Windows Server 2019 Standard

Processors

Intel(R) Xeon(R) CPU

Hardware information

VMware, Inc. VMware Virtual Platform

Installed memory (RAM)

4 GB

Total disk space

39.46 GB

<

>

EVENTS

All events | 20 total

TASKS ▾

Filter

🔍

📋 ▾

🔊 ▾

⌵

Server Name

ID

Severity

Source

Log

Date and Time

DC

8198

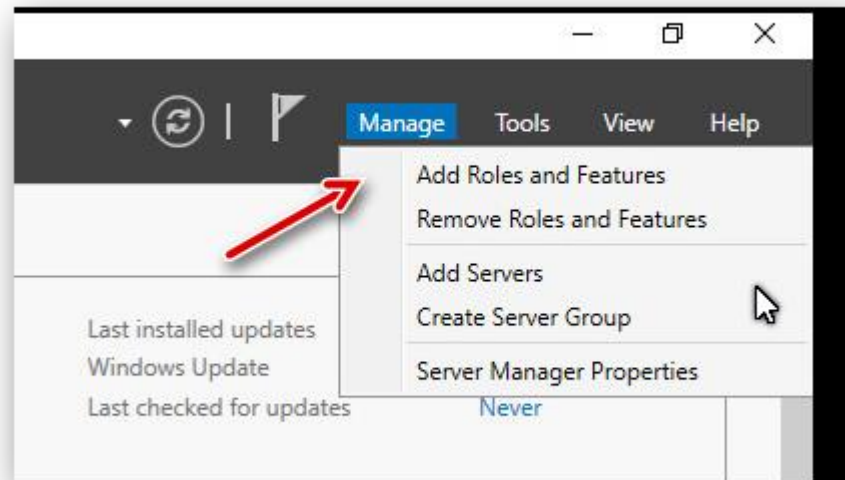
Error

Microsoft-Windows-Security-SPP

Application

12/4/2018 6:27:15 PM

Desde el server Manager, pulsaremos en Manage o Administrar y seleccionaremos Añadir Roles y características.



Salga el asistente que nos guiará por todo el proceso.

Before you begin

DESTINATION SERVER
DC

Before You Begin

[Installation Type](#)[Server Selection](#)[Server Roles](#)[Features](#)[Confirmation](#)[Results](#)

This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website.

To remove roles, role services, or features:

[Start the Remove Roles and Features Wizard](#)

Before you continue, verify that the following tasks have been completed:

- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The most current security updates from Windows Update are installed

If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again.

To continue, click Next.

☐ Skip this page by default

< Previous

Next >

Install

Cancel

Pulsaremos en Siguiente.

Select installation type

DESTINATION SERVER
DC

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).

☒ **Role-based or feature-based installation**

Configure a single server by adding roles, role services, and features.

☐ **Remote Desktop Services installation**

Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.

< Previous

Next >

Install

Cancel

Seleccionamos nuestro servidor.

Select destination server

DESTINATION SERVER
DC

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

Select a server or a virtual hard disk on which to install roles and features.

☒ Select a server from the server pool☐ Select a virtual hard disk

Server Pool

Filter:

Name

IP Address

Operating System

DC

192.168.1.100

Microsoft Windows Server 2019 Standard

1 Computer(s) found

This page shows servers that are running Windows Server 2012 or a newer release of Windows Server and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.

< Previous

Next >

Install

Cancel

Vemos que por defecto no hay ningún rol instalado a parte de una funcionalidad de File Server. Seleccionamos **Active Directory Domain Services**.

Select server roles

DESTINATION SERVER
DC

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

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

Roles

- ☐ Active Directory Certificate Services
- ☒ Active Directory Domain Services
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☐ DHCP Server
- ☐ DNS Server
- ☐ Fax Server
- ☒ File and Storage Services (1 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Policy and Access Services
- ☐ Print and Document Services
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☐ Web Server (IIS)
- ☐ Windows Deployment Services
- ☐ Windows Server Update Services

Description

Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.

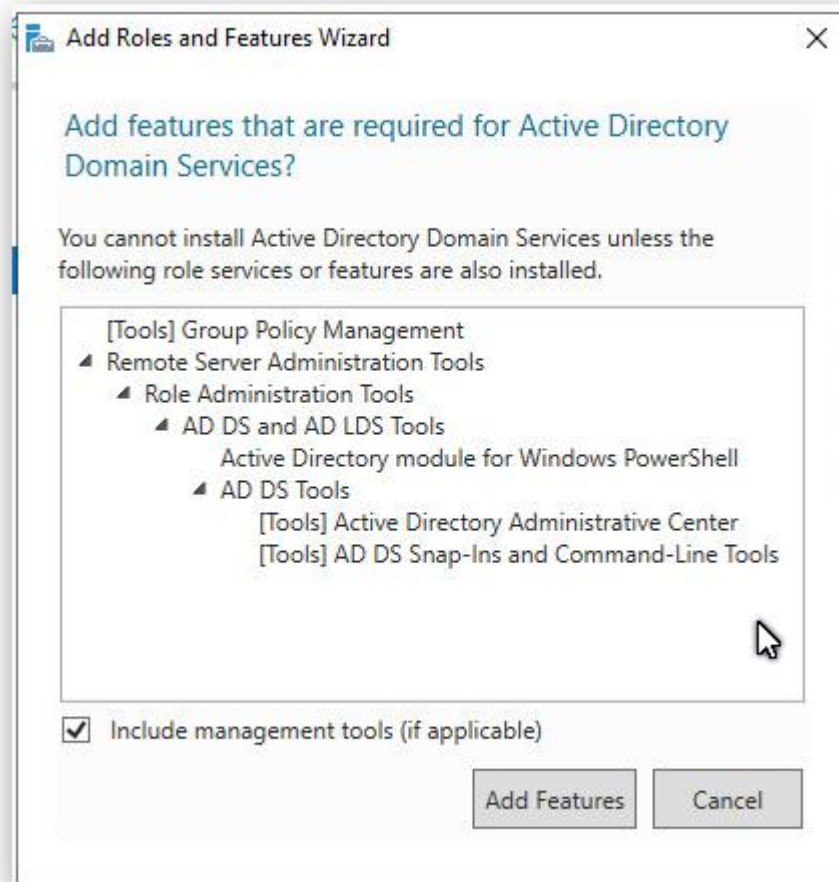
< Previous

Next >

Install

Cancel

Nos indica que se instalarán más características opcionales.



Pulsamos en Añadir y siguiente.

Select server roles

DESTINATION SERVER
DC

Before You Begin

Installation Type

Server Selection

Server Roles

Features

AD DS

DNS Server

Confirmation

Results

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

Roles

- ☐ Active Directory Certificate Services
- ☒ Active Directory Domain Services
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☐ DHCP Server
- ☒ DNS Server
- ☐ Fax Server
- ☒ File and Storage Services (1 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Policy and Access Services
- ☐ Print and Document Services
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☐ Web Server (IIS)
- ☐ Windows Deployment Services
- ☐ Windows Server Update Services

Description

Domain Name System (DNS) Server provides name resolution for TCP/IP networks. DNS Server is easier to manage when it is installed on the same server as Active Directory Domain Services. If you select the Active Directory Domain Services role, you can install and configure DNS Server and Active Directory Domain Services to work together.

< Previous

Next >

Install

Cancel

Además se instala el Group Policy Management para administrar las gpos o directivas de grupo.

Select features

Before You Begin

Installation Type

Server Selection

Server Roles

Features

AD DS

DNS Server

Confirmation

Results

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

Features

- ☐ .NET Framework 3.5 Features
- ☒ .NET Framework 4.7 Features (2 of 7 installed)
- ☐ Background Intelligent Transfer Service (BITS)
- ☐ BitLocker Drive Encryption
- ☐ BitLocker Network Unlock
- ☐ BranchCache
- ☐ Client for NFS
- ☐ Containers
- ☐ Data Center Bridging
- ☐ Direct Play
- ☐ Enhanced Storage
- ☐ Failover Clustering
- ☒ Group Policy Management
- ☐ Host Guardian Hyper-V Support
- ☐ I/O Quality of Service
- ☐ IIS Hostable Web Core
- ☐ Internet Printing Client
- ☐ IP Address Management (IPAM) Server
- ☐ iSNS Server service

Description

Allows you to replicate data using the Storage Replica feature.

< Previous

Next >

Install

Cancel

Pulsamos Siguiente y nos muestra información sobre qué es Active Directory. Continuamos.

Active Directory Domain Services

[Before You Begin](#)[Installation Type](#)[Server Selection](#)[Server Roles](#)[Features](#)**AD DS**[DNS Server](#)[Confirmation](#)[Results](#)

Active Directory Domain Services (AD DS) stores information about users, computers, and other devices on the network. AD DS helps administrators securely manage this information and facilitates resource sharing and collaboration between users.

Things to note:

- To help ensure that users can still log on to the network in the case of a server outage, install a minimum of two domain controllers for a domain.
- AD DS requires a DNS server to be installed on the network. If you do not have a DNS server installed, you will be prompted to install the DNS Server role on this machine.



Azure Active Directory, a separate online service, can provide simplified identity and access management, security reporting, single sign-on to cloud and on-premises web apps.

[Learn more about Azure Active Directory](#)

[Configure Office 365 with Azure Active Directory Connect](#)

[< Previous](#)[Next >](#)[Install](#)[Cancel](#)

A continuación muestra la información del servidor DNS.

DNS Server

DESTINATION SERVER
DC

Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
DNS Server
Confirmation
Results

Domain Name System (DNS) provides a standard method for associating names with numeric Internet addresses. This makes it possible for users to refer to network computers by using easy-to-remember names instead of a long series of numbers. In addition, DNS provides a hierarchical namespace, ensuring that each host name will be unique across a local or wide-area network. Windows DNS services can be integrated with Dynamic Host Configuration Protocol (DHCP) services on Windows, eliminating the need to add DNS records as computers are added to the network.

Things to note:

- DNS server integration with Active Directory Domain Services automatically replicates DNS data along with other Directory Service data, making it easier to manage DNS.
- Active Directory Domain Services requires a DNS server to be installed on the network. If you are installing a domain controller, you can also install the DNS Server role using Active Directory Domain Services Installation Wizard by selecting the Active Directory Domain Services role.

< Previous

Next >

Install

Cancel

Antes de instalar, nos muestra un resumen de lo que vamos a instalar.

Confirm installation selections

Before You Begin

Installation Type

Server Selection

Server Roles

Features

AD DS

DNS Server

Confirmation

Results

To install the following roles, role services, or features on selected server, click Install.

☐ Restart the destination server automatically if required

Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

Active Directory Domain Services
DNS Server
Group Policy Management
Remote Server Administration Tools
 Role Administration Tools
 AD DS and AD LDS Tools
 Active Directory module for Windows PowerShell
 AD DS Tools
 Active Directory Administrative Center
 AD DS Snap-Ins and Command-Line Tools

[Export configuration settings](#)
[Specify an alternate source path](#)

< Previous

Next >

Install

Cancel

Pulsaremos install y tardará un par de minutos.

Installation progress

DESTINATION SERVER
DC

Before You Begin

Installation Type

Server Selection

Server Roles

Features

AD DS

DNS Server

Confirmation

Results

View installation progress

 Starting installation



Active Directory Domain Services

DNS Server

Group Policy Management

Remote Server Administration Tools

Role Administration Tools

AD DS and AD LDS Tools

Active Directory module for Windows PowerShell

AD DS Tools

Active Directory Administrative Center

AD DS Snap-Ins and Command-Line Tools

DNS Server Tools

[Export configuration settings](#)

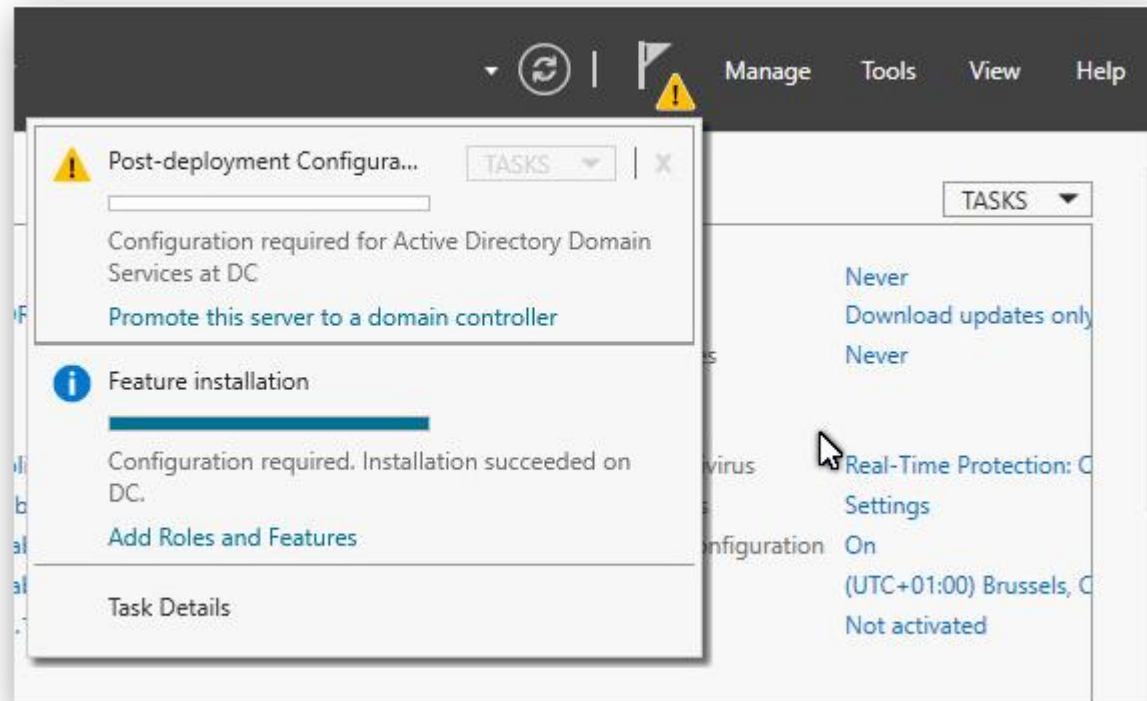
< Previous

Next >

Install

Cancel

Una vez instalado, lo que tenemos que hacer es realizar la configuración, para ello, desde el Server Manager, pulsaremos en Promocionar controlador de dominio.



Como vamos a crear un nuevo dominio, seleccionamos la opción de crear nuevo bosque y especificamos el nombre de nuestro nuevo dominio.

Deployment Configuration

TARGET SERVER
DC

Deployment Configuration

Domain Controller Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Select the deployment operation

- ☐ Add a domain controller to an existing domain
- ☐ Add a new domain to an existing forest
- ☒ Add a new forest

Specify the domain information for this operation

Root domain name:

[More about deployment configurations](#)

< Previous

Next >

Install

Cancel

Dejamos los niveles funcionales por defecto, en este caso Windows Server 2016. Ya tendremos tiempo en el futuro de elvarlos si fuese necesario. Además le decimos que será **Servidor DNS y Catálogo Global**.

Domain Controller Options

TARGET SERVER
DC

Deployment Configuration

Domain Controller Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Select functional level of the new forest and root domain

Forest functional level:

Windows Server 2016

Domain functional level:

Windows Server 2016

Specify domain controller capabilities

☒ Domain Name System (DNS) server

☒ Global Catalog (GC)

☐ Read only domain controller (RODC)

Type the Directory Services Restore Mode (DSRM) password

Password:

Confirm password:

[More about domain controller options](#)

< Previous

Next >


Install

Cancel

Pulsaremos siguiente.

DNS Options

TARGET SERVER
DC

 A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found... [Show more](#) ×

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Specify DNS delegation options

☐ Create DNS delegation

[More about DNS delegation](#)

< Previous

Next >

Install

Cancel

Dejamos el netbios name por defecto.

Additional Options

TARGET SERVER
DC

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Verify the NetBIOS name assigned to the domain and change it if necessary

The NetBIOS domain name:

[More about additional options](#)

< Previous

Next >

Install

Cancel

Dejamos los valores por defecto para SYSVOL, logs y la DB de AD.

Paths

TARGET SERVER
DC

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Specify the location of the AD DS database, log files, and SYSVOL

Database folder:

C:\Windows\NTDS

...

Log files folder:

C:\Windows\NTDS

...

SYSVOL folder:

C:\Windows\SYSVOL

...

[More about Active Directory paths](#)

< Previous

Next >

Install

Cancel

Vemos el resumen y pulsaremos siguiente.

Review Options

TARGET SERVER
DC

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Review your selections:

Configure this server as the first Active Directory domain controller in a new forest.

The new domain name is "blogdesistemas.com". This is also the name of the new forest.

The NetBIOS name of the domain: BLOGDESISTEMAS

Forest Functional Level: Windows Server 2016

Domain Functional Level: Windows Server 2016

Additional Options:

Global catalog: Yes

DNS Server: Yes

Create DNS Delegation: No

These settings can be exported to a Windows PowerShell script to automate additional installations

View script

[More about installation options](#)

< Previous


Next >

Install

Cancel

Pasados los pre-requisitos, pulsaremos en Instalar.

Prerequisites Check

TARGET SERVER
DC All prerequisite checks passed successfully. Click 'Install' to begin installation.[Show more](#)

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Prerequisites need to be validated before Active Directory Domain Services is installed on this computer

[Rerun prerequisites check](#) View results

Windows Server 2019 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.

For more information about this setting, see Knowledge Base article 942564 (<http://go.microsoft.com/fwlink/?LinkId=104751>).



A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found or it does not run Windows DNS server. If you are integrating with an existing DNS infrastructure, you should manually create a delegation to this DNS server in the parent zone to ensure reliable name resolution from outside the domain "blogdesistemas.com". Otherwise, no action is required.



If you click Install, the server automatically reboots at the end of the promotion operation.

[More about prerequisites](#)

< Previous

Next >

Install

Cancel

Empezará la creación de nuestro nuevo dominio.

Installation

TARGET SERVER
DC

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Progress

Starting

View detailed operation results



Windows Server 2019 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.

For more information about this setting, see Knowledge Base article 942564 (<http://go.microsoft.com/fwlink/?LinkId=104751>).

[More about installation options](#)

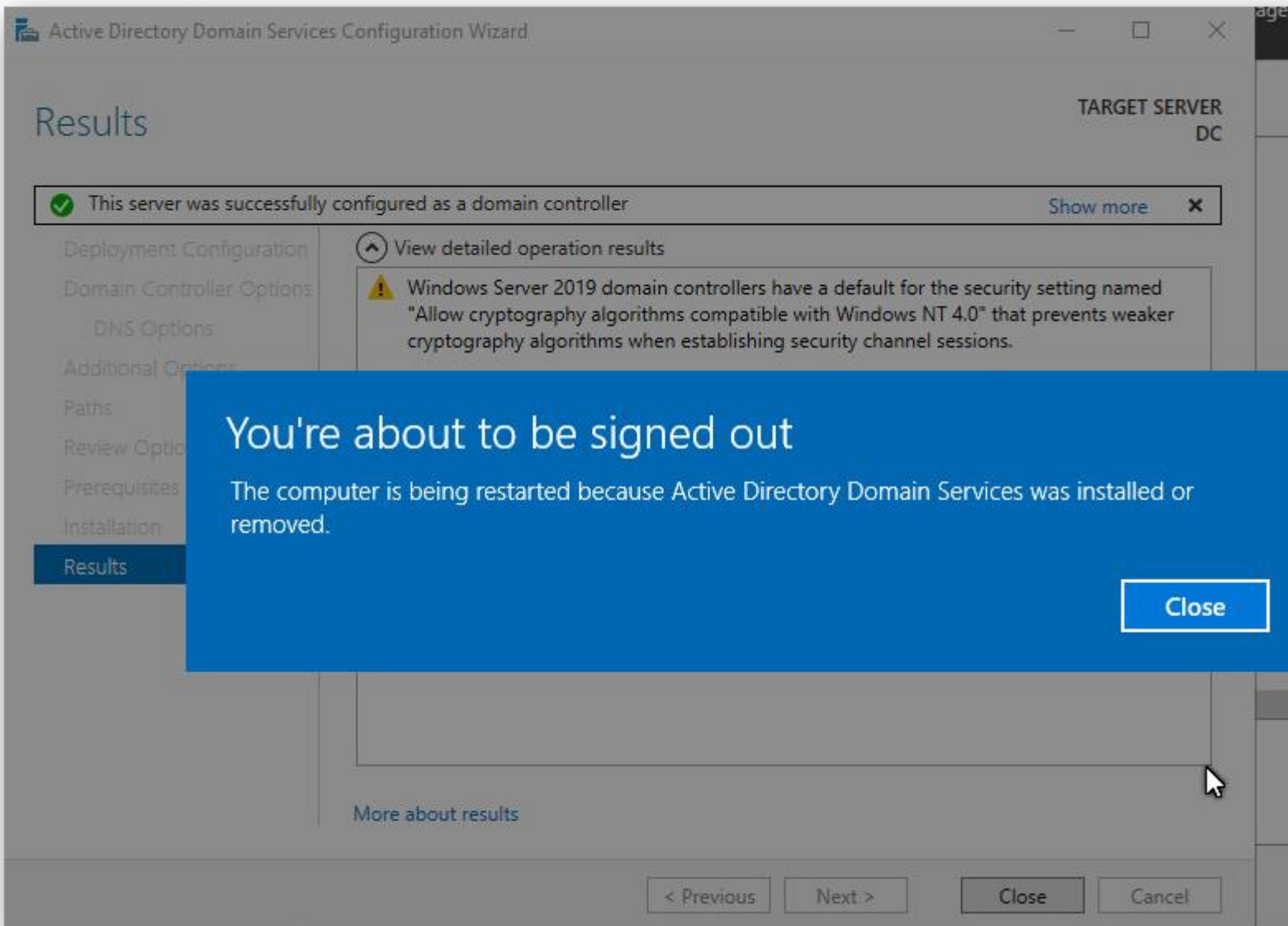
< Previous

Next >

Install

Cancel

Transcurridos unos minutos, nos indica que se cerrará la sesión y se reiniciará nuestro servidor.



Se reinicia.



Applying computer settings



Una vez reiniciado, nos pedirá hacer login con nuestro usuario administrador del dominio en nuestro dominio recién creado.



BLOGDESISTEMAS
Administrator

A password input field with a white background and a grey border. The password is masked with black dots. To the right of the field are two small icons: an eye icon for toggling password visibility and a right-pointing arrow icon for submitting the password.

Vemos en el server manager que ya nos aparece nuestro dominio.