

Configurar Windows 2008 Enterprise para XenApp 5

Escrito por xavisan

Jueves, 02 de Abril de 2009 18:25 - Actualizado Miércoles, 20 de Mayo de 2009 09:26

En esta ocasión hemos elaborado este paso a paso para saber como configurar un Servidor Windows 2008 Enterprise Edition y dejarlo "listo" para posteriormente realizar la instalación de XenApp 5 for Windows 2008, en este nuevo tutorial ha sido utilizada una versión sin la funcionalidad de Hyper-V, así mismo podréis ver que puntos hay que preparar para poder tener una instalación limpia de Windows 2008 Enterprise Edition.

Partimos de la base en que ya disponemos de Windows 2008 Enterprise edition instalado, y que dicho servidor aún no ha estado añadido al dominio, se han realizado por tanto todos los pasos necesarios, antes de que este tenga que ser añadido al mismo. La plataforma utilizada sobre la que hemos trabajado a sido XenServer 5, en el que hemos podido observar además un alto rendimiento con respecto a la misma instalación sobre un servidor físico, lo que realmente nos ha sorprendido.

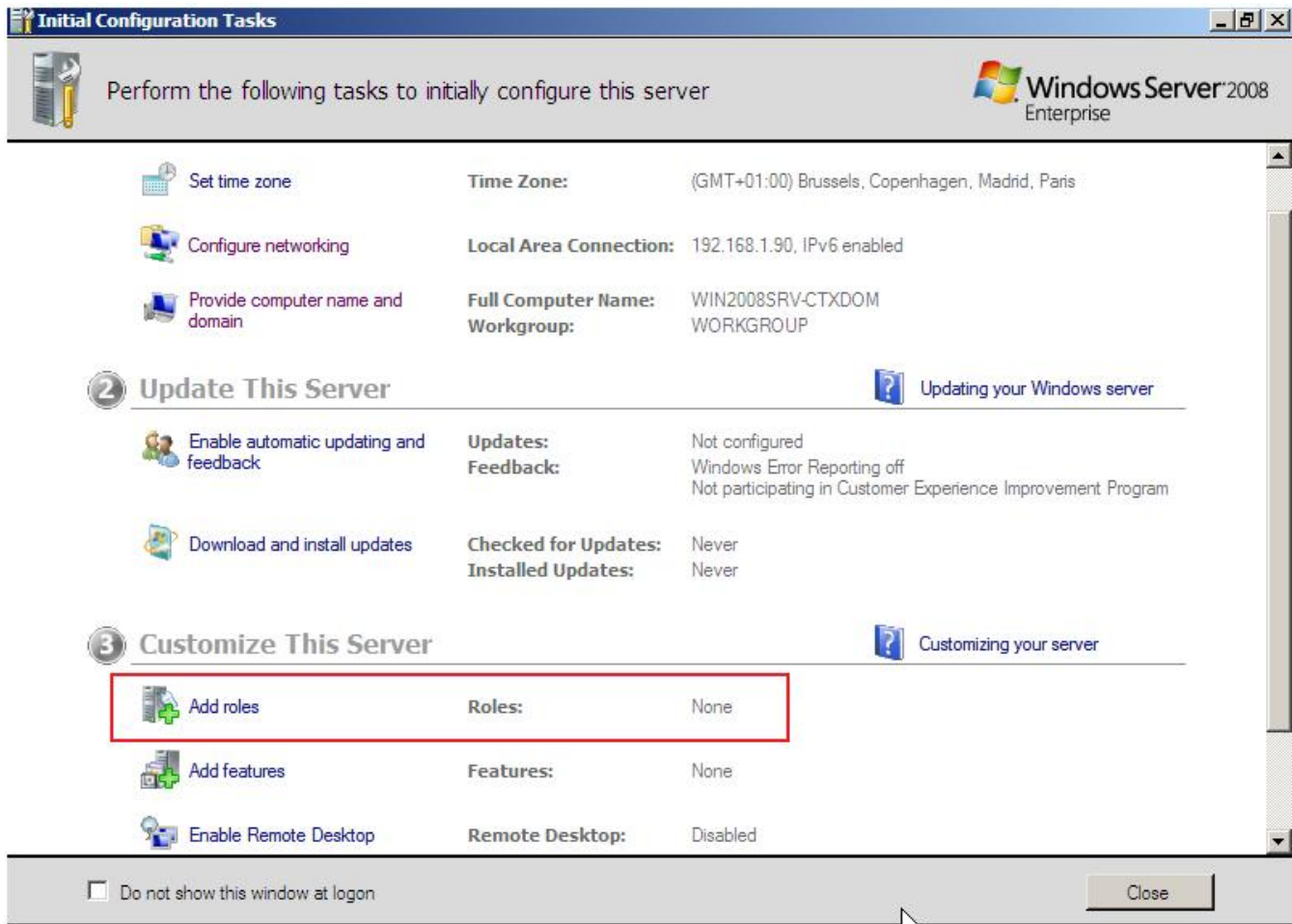
Nota Importante: Microsoft .NET framework 3.5 y Java Runtime Update 11, tendrán que ser instalados manualmente.

Veamos el proceso de instalación por tanto de los distintos roles a instalar en Windows 2008 Enterprise, para poder instalar posteriormente XenApp 5 for Windows 2008. Una vez instalado Windows 2008 Enterprise edition, iniciaremos el proceso de configuración y de inserción de los distintos Roles necesarios, pulsando sobre "Add roles".

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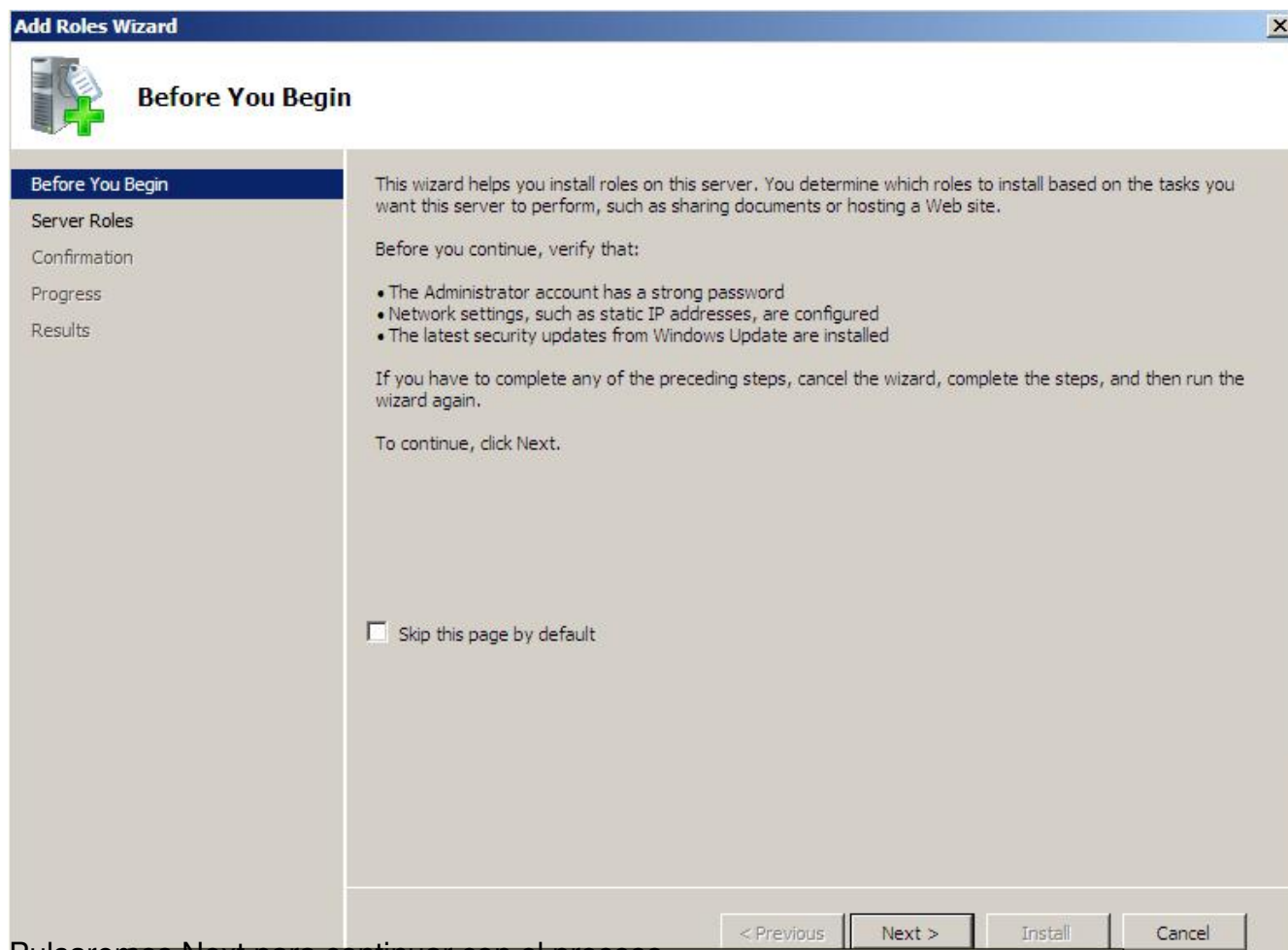


Windows 2008 Enterprise el proceso de inserción de los roles necesarios en nuestro servidor

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The screenshot shows the 'Add Roles Wizard' window. The title bar reads 'Add Roles Wizard'. The main window has a left-hand navigation pane with the following items: 'Before You Begin' (selected), 'Server Roles', 'Confirmation', 'Progress', and 'Results'. The main content area is titled 'Before You Begin' and contains the following text:

This wizard helps you install roles on this server. You determine which roles to install based on the tasks you want this server to perform, such as sharing documents or hosting a Web site.

Before you continue, verify that:

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

If you have to complete any of the preceding steps, cancel the wizard, complete the steps, and then run the wizard again.

To continue, click Next.

At the bottom of the main content area, there is a checkbox labeled 'Skip this page by default' which is currently unchecked.

At the bottom of the window, there are four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'.

Pulsaremos Next para continuar con el proceso.

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Add Roles Wizard

Select Server Roles

Before You Begin

Server Roles

Confirmation

Progress

Results

Select one or more roles to install on this server.

Roles:

- ☒ Active Directory Certificate Services
- ☐ Active Directory Domain Services
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Application Server
- ☐ DHCP Server
- ☐ DNS Server
- ☐ Fax Server
- ☐ File Services
- ☐ Network Policy and Access Services
- ☐ Print Services
- ☐ Terminal Services
- ☐ UDDI Services
- ☐ Web Server (IIS)
- ☐ Windows Deployment 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.

[More about server roles](#)

< Previous Next > Install Cancel

El contenido de este blog se publica en un entorno de desarrollo y puede contener errores. No se recomienda su uso en entornos de producción. Si necesitas más información, contacta con el equipo de soporte de XenApp 5.

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- ☐ Application Server
- ☐ DHCP Server
- ☐ DNS Server
- ☐ Fax Server
- ☐ File Services
- ☐ Network Policy and Access Services
- ☐ Print Services
- ☒ Terminal Services
- ☐ UDDI Services
- ☐ **Web Server (IIS)**
- ☐ Windows Deployment Services

Description:

[Web Server \(IIS\)](#) provides a reliable, manageable, and scalable Web application infrastructure.

[More about server roles](#)

< Previous Next > Install Cancel

Add Roles Wizard

 **Add features required for Web Server (IIS)?**

You cannot install Web Server (IIS) unless the required features are also installed.

Features:

- ☒ **Windows Process Activation Service**
 - Process Model
 - Configuration APIs

Description:

[Windows Process Activation Service](#) generalizes the IIS process model, removing the dependency on HTTP. All the features...

Add Required Features Cancel

 [Why are these features required?](#)

Personalizo este paso "Add Required Features" para añadir la función "Application Server". Una

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- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☒ **Application Server**
- ☐ DHCP Server
- ☐ DNS Server
- ☐ Fax Server
- ☐ File Services
- ☐ Network Policy and Access Services
- ☐ Print Services
- ☒ Terminal Services
- ☐ UDDI Services
- ☒ Web Server (IIS)
- ☐ Windows Deployment Services

Description:

Application Server provides central management and hosting of high-performance distributed business applications such as those built with Enterprise Services and .NET Framework 3.0.

[More about server roles](#)

< Previous Next > Install Cancel

En esta opción aparecerá la siguiente dialog:

Add Roles Wizard

Add features required for Application Server?

You cannot install Application Server unless the required features are also installed.

Features:

- ☒ .NET Framework 3.0 Features
 - .NET Framework 3.0
- ☒ Windows Process Activation Service
 - .NET Environment

Description:

Microsoft .NET Framework 3.0 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity informatio...

Add Required Features Cancel

[Why are these features required?](#)

Realizaremos también la siguiente operación, pulsaremos sobre "Add Required

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Select one or more roles to install on this server.

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- ☐ Active Directory Domain Services
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☒ **Application Server**
- ☐ DHCP Server
- ☐ DNS Server
- ☐ Fax Server
- ☐ File Services
- ☐ Network Policy and Access Services
- ☐ Print Services
- ☒ Terminal Services
- ☐ UDDI Services
- ☒ Web Server (IIS)
- ☐ Windows Deployment Services

[More about server roles](#)

Description:
[Application Server](#) provides central management and hosting of high-performance distributed business applications such as those built with Enterprise Services and .NET Framework 3.0.

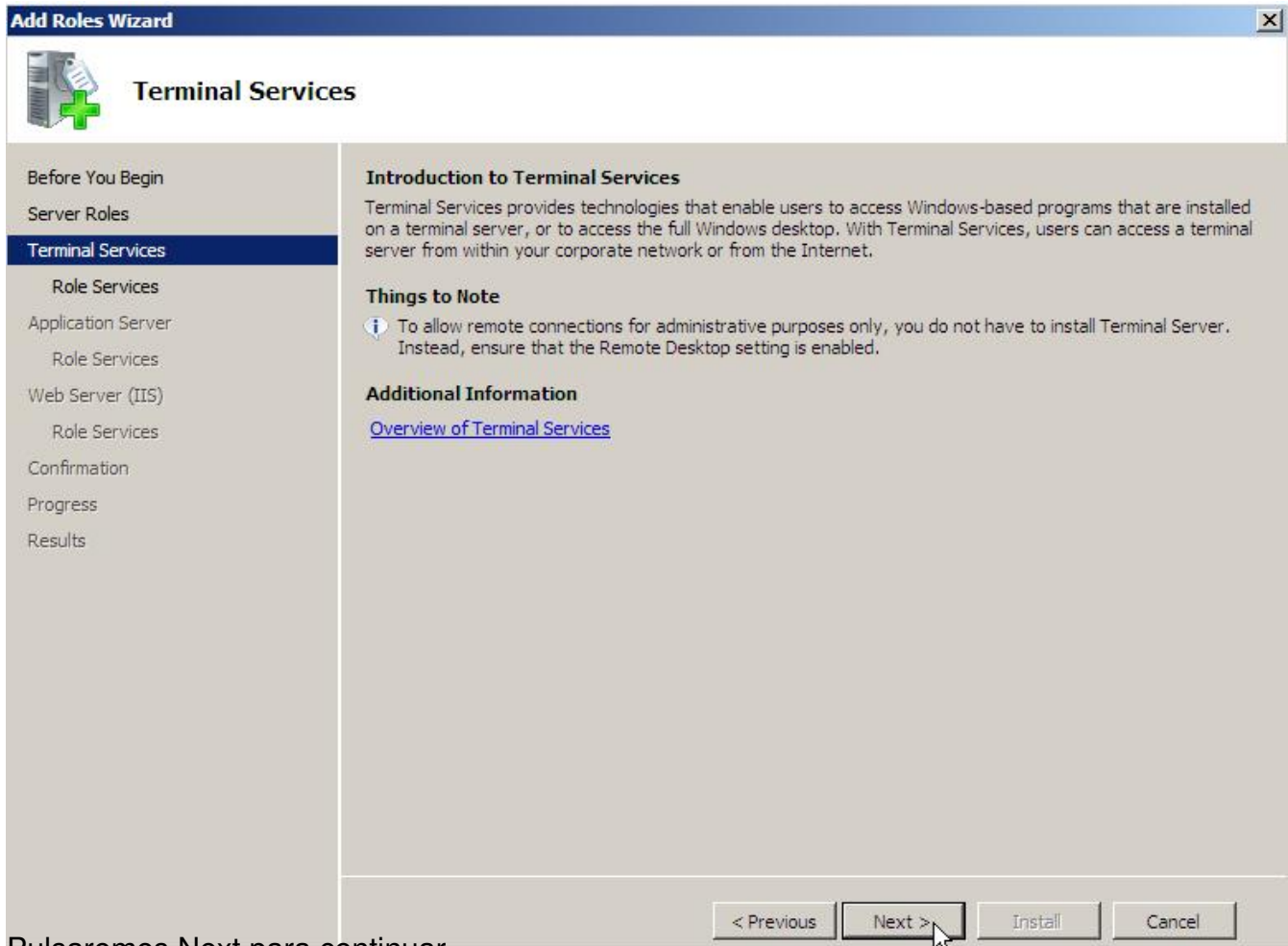
< Previous Next > Install Cancel

A continuación pulsaremos Next para continuar con el proceso de instalación y configuración.

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Pulsaremos Next para continuar,

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Add Roles Wizard

Select Role Services

Before You Begin
Server Roles
Terminal Services
Role Services
Application Compatibility
Authentication Method
Licensing Mode
User Groups
Application Server
Role Services
Web Server (IIS)
Role Services
Confirmation
Progress
Results

Select the role services to install for Terminal Services:

Role services:

- ☒ **Terminal Server**
- ☐ TS Licensing
- ☐ TS Session Broker
- ☐ TS Gateway
- ☐ TS Web Access

Description:
[Terminal Server](#) enables a server to host Windows-based programs or the full Windows desktop. Users can connect to a terminal server to run programs, save files, and use network resources on that server.

[More about role services](#)

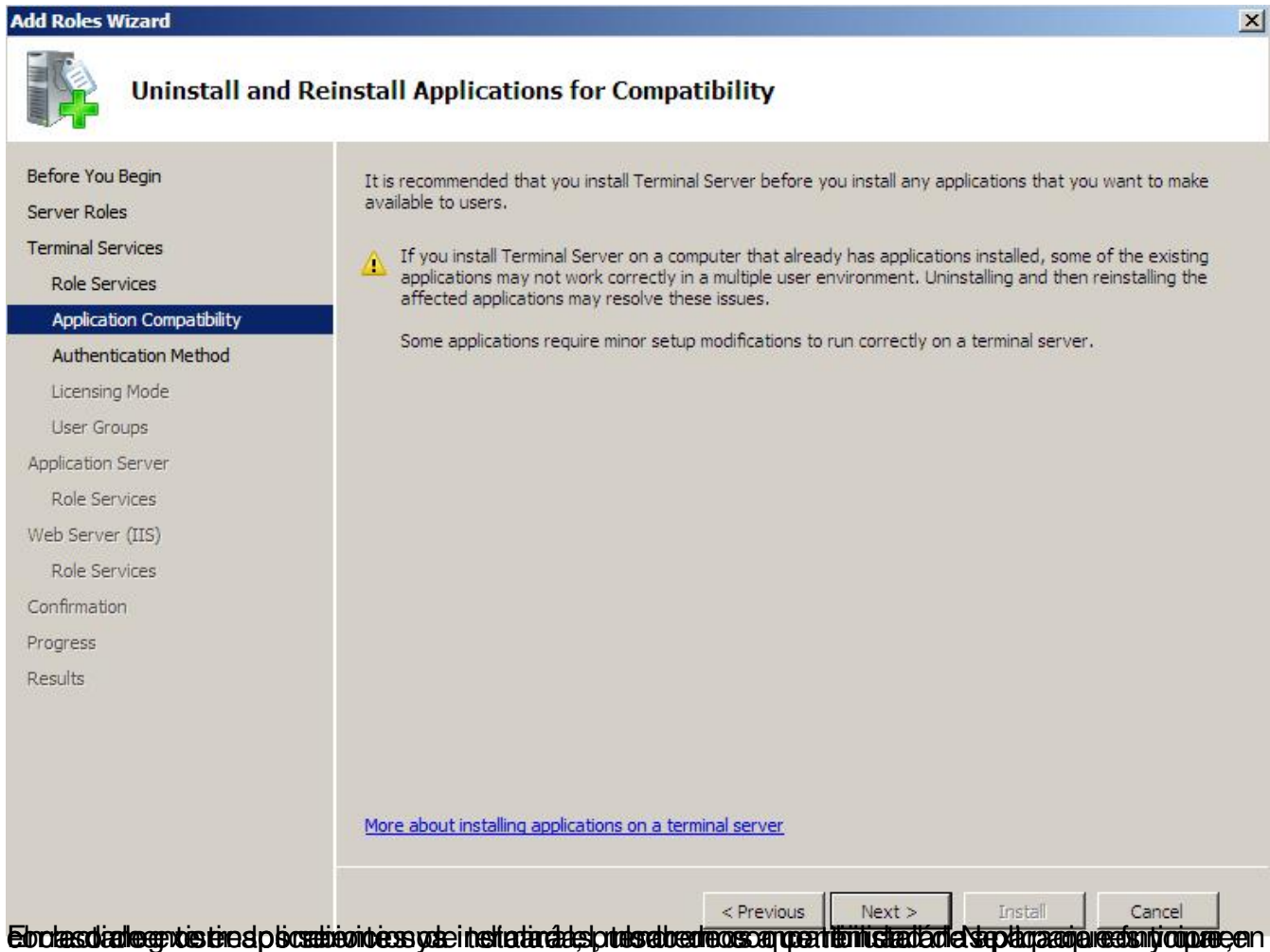
< Previous Next > Install Cancel

Seleccionaremos "Terminal Server" y pulsaremos Next para continuar.

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The screenshot shows the 'Add Roles Wizard' window with the title bar 'Add Roles Wizard'. The left sidebar contains a tree view with the following items: 'Before You Begin', 'Server Roles', 'Terminal Services', 'Role Services', 'Application Compatibility', 'Authentication Method' (highlighted), 'Licensing Mode', 'User Groups', 'Application Server', 'Role Services', 'Web Server (IIS)', 'Role Services', 'Confirmation', 'Progress', and 'Results'. The main content area is titled 'Specify Authentication Method for Terminal Server' and features a green plus icon. It contains the following text: 'Network Level Authentication is a new authentication method that enhances security by providing user authentication earlier in the connection process when a client connects to a terminal server. With Network Level Authentication, user authentication occurs before a full Remote Desktop connection to the terminal server is established.' Below this, it says 'Specify whether Network Level Authentication is required.' There are two radio button options: 'Require Network Level Authentication' (selected) and 'Do not require Network Level Authentication'. The 'Require' option has a description: 'Only computers that are running both a version of Windows and a version of the Remote Desktop Connection client that supports Network Level Authentication can connect to this terminal server. If you are remotely connected to this server, ensure that your computer supports Network Level Authentication to enable reconnection to this server.' The 'Do not require' option has a description: 'Computers that are running any version of the Remote Desktop Connection client can connect to this terminal server.' Below the descriptions is a warning icon and text: 'This option is less secure than when Network Level Authentication is used because user authentication occurs later in the connection process.' At the bottom of the main area is a link: 'More about Network Level Authentication and supported clients'. The bottom of the window has a navigation bar with buttons: '< Previous', 'Next >', 'Install', and 'Cancel'. There is also a small 'Initial Configuration Tasks' button on the left of the navigation bar.

Add Roles Wizard

Specify Authentication Method for Terminal Server

Before You Begin
Server Roles
Terminal Services
Role Services
Application Compatibility
Authentication Method
Licensing Mode
User Groups
Application Server
Role Services
Web Server (IIS)
Role Services
Confirmation
Progress
Results

Network Level Authentication is a new authentication method that enhances security by providing user authentication earlier in the connection process when a client connects to a terminal server. With Network Level Authentication, user authentication occurs before a full Remote Desktop connection to the terminal server is established.

Specify whether Network Level Authentication is required.

☐ Require Network Level Authentication
Only computers that are running both a version of Windows and a version of the Remote Desktop Connection client that supports Network Level Authentication can connect to this terminal server. If you are remotely connected to this server, ensure that your computer supports Network Level Authentication to enable reconnection to this server.

☒ Do not require Network Level Authentication
Computers that are running any version of the Remote Desktop Connection client can connect to this terminal server.

This option is less secure than when Network Level Authentication is used because user authentication occurs later in the connection process.

[More about Network Level Authentication and supported clients](#)

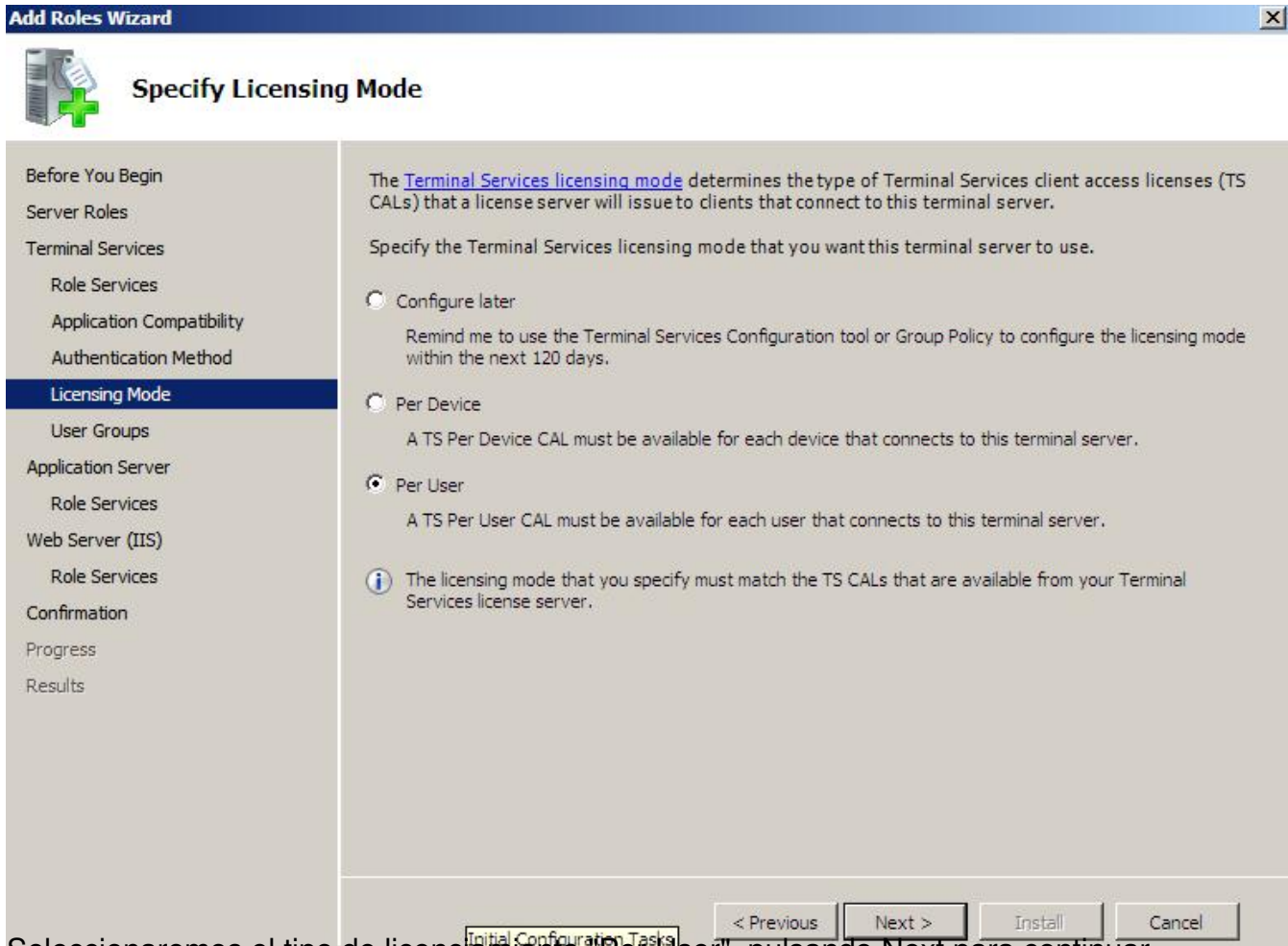
Initial Configuration Tasks < Previous Next > Install Cancel

Selección de roles de servidor para XenApp 5

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The screenshot shows the 'Add Roles Wizard' window with the title bar 'Add Roles Wizard'. The main window has a title bar 'Specify Licensing Mode' and a green plus icon. On the left is a navigation pane with the following items: 'Before You Begin', 'Server Roles', 'Terminal Services', 'Role Services', 'Application Compatibility', 'Authentication Method', 'Licensing Mode' (highlighted), 'User Groups', 'Application Server', 'Role Services', 'Web Server (IIS)', 'Role Services', 'Confirmation', 'Progress', and 'Results'. The main content area has the following text: 'The [Terminal Services licensing mode](#) determines the type of Terminal Services client access licenses (TS CALs) that a license server will issue to clients that connect to this terminal server.' followed by 'Specify the Terminal Services licensing mode that you want this terminal server to use.' There are three radio button options: 'Configure later' (with subtext 'Remind me to use the Terminal Services Configuration tool or Group Policy to configure the licensing mode within the next 120 days.'), 'Per Device' (with subtext 'A TS Per Device CAL must be available for each device that connects to this terminal server.'), and 'Per User' (selected, with subtext 'A TS Per User CAL must be available for each user that connects to this terminal server.'). Below these is an information icon and text: 'The licensing mode that you specify must match the TS CALs that are available from your Terminal Services license server.' At the bottom are four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'. A small 'Initial Configuration Tasks' window is partially visible at the bottom left.

Seleccionaremos el tipo de licenciamiento "Per User", pulsando Next para continuar.

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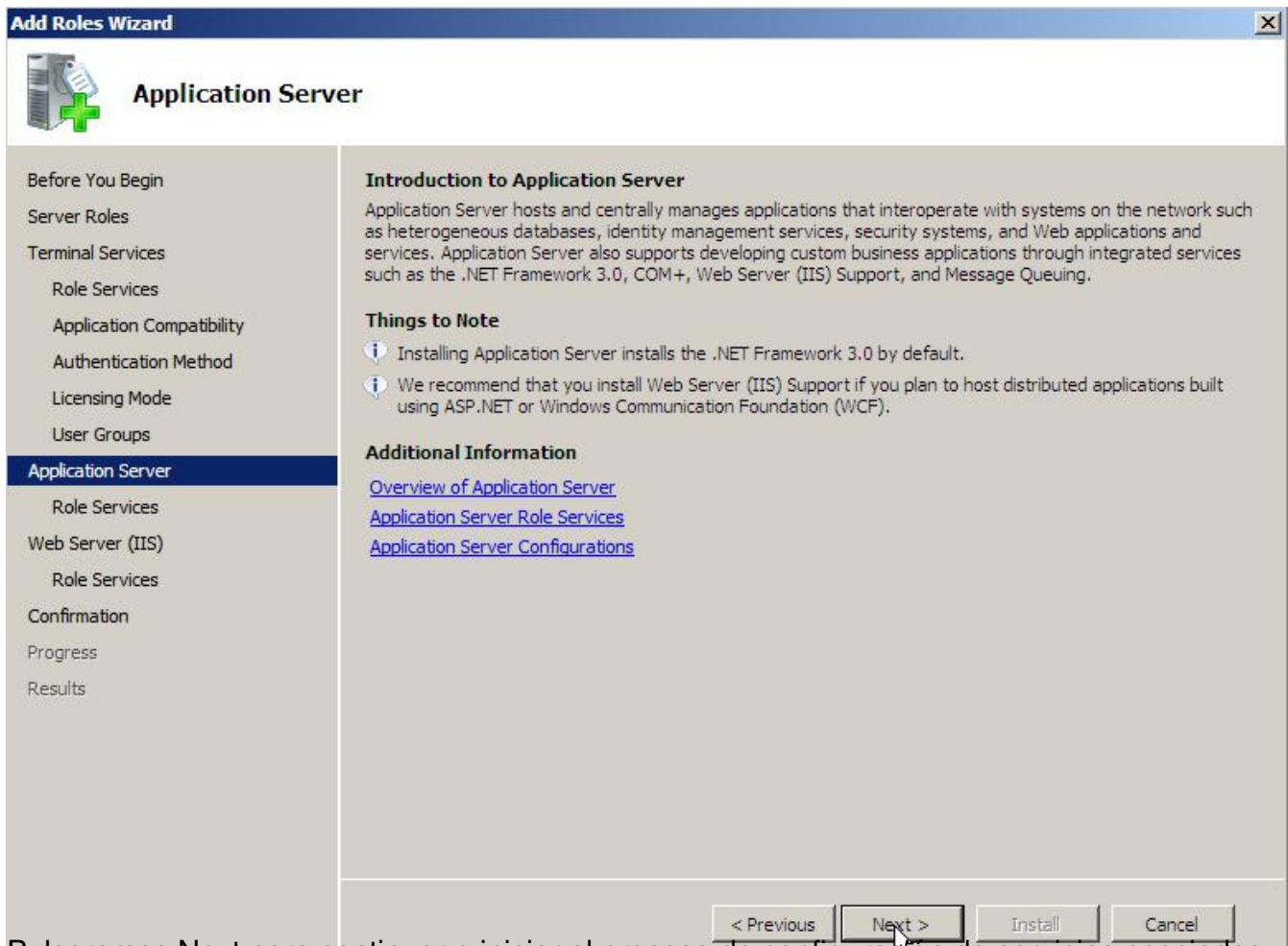
Añadiremos "Domain Users" pulsando sobre el botón Add,

The screenshot shows the 'Select Users' dialog box. It has a title bar 'Select Users' with a question mark icon. The dialog contains the following fields and buttons: 'Select this object type:' with a dropdown menu showing 'Users or Built-in security principals' and an 'Object Types...' button; 'From this location:' with a dropdown menu showing 'WIN2008SRV-CTXD' and a 'Locations...' button; 'Enter the object names to select (examples):' with a text box containing 'Domain users' and a 'Check Names' button; and at the bottom, 'Advanced...', 'OK', and 'Cancel' buttons.

Pulsaremos Ok, y a continuación Next para continuar,

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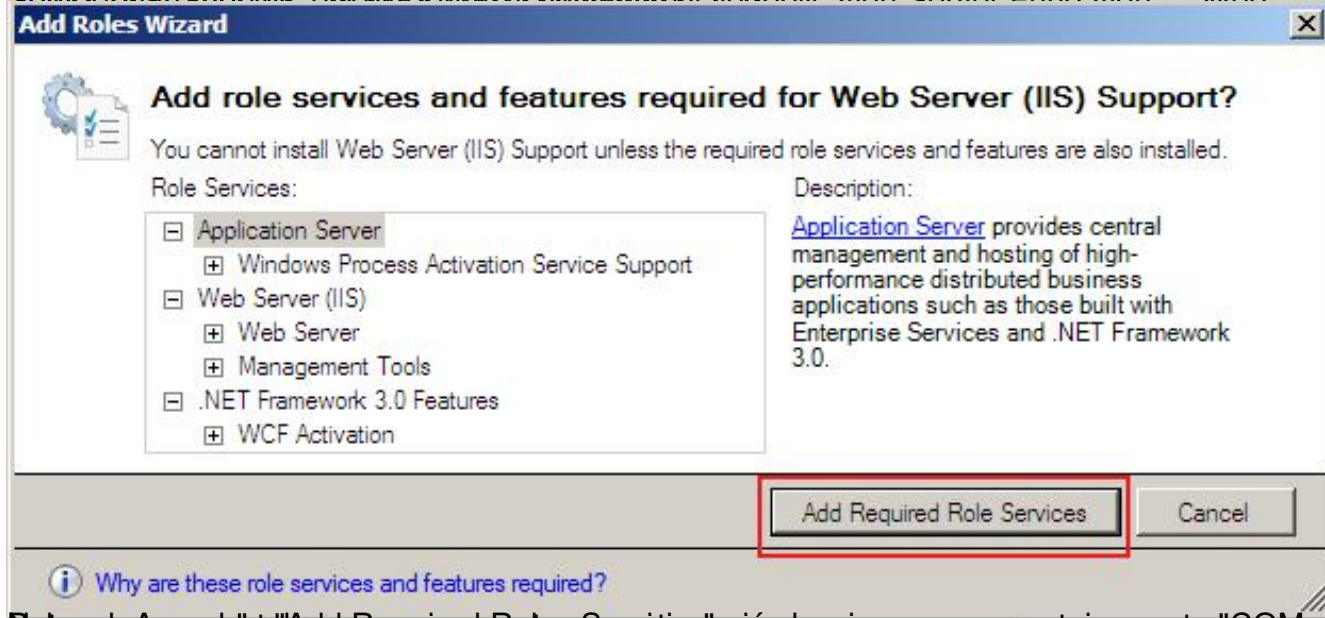
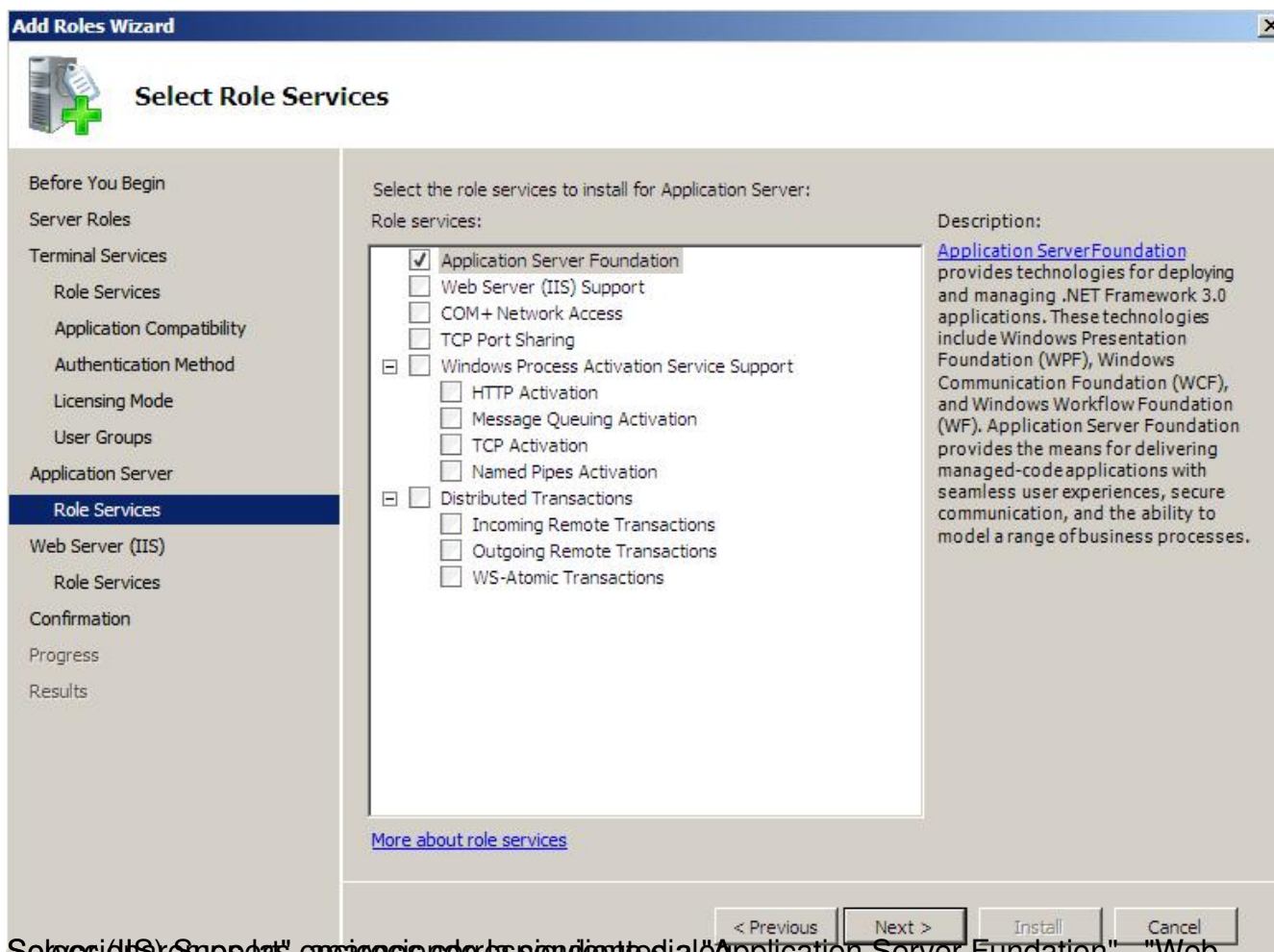


Pulsaremos Next para continuar e iniciar el proceso de configuración de servicios asociados.

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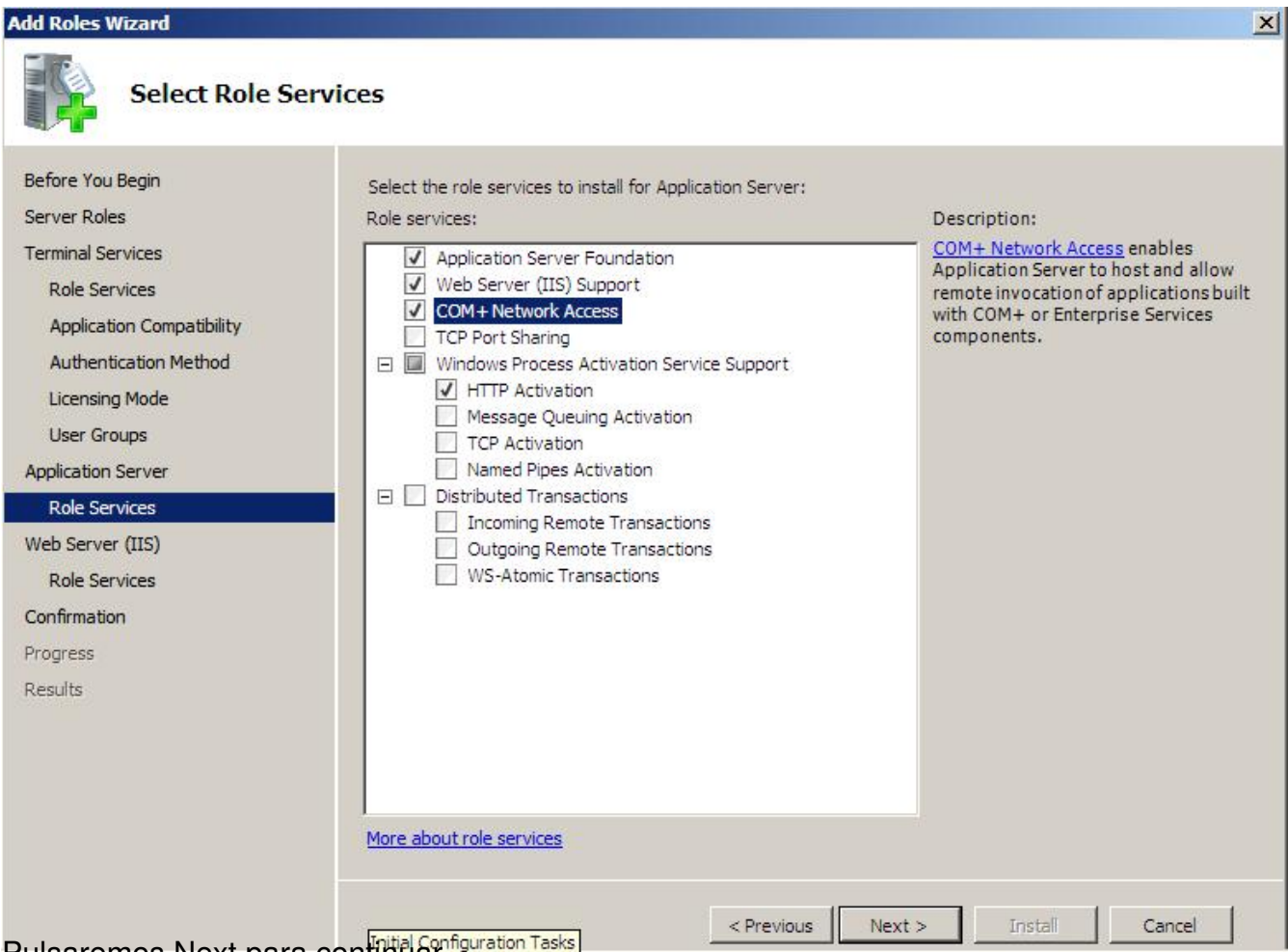


Network Access" and "Add Required Role Services" y seleccionaremos posteriormente "COM+

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Add Roles Wizard

Select Role Services

Before You Begin
Server Roles
Terminal Services
Role Services
Application Compatibility
Authentication Method
Licensing Mode
User Groups
Application Server
Role Services
Web Server (IIS)
Role Services
Confirmation
Progress
Results

Select the role services to install for Application Server:

Role services:

- ☒ Application Server Foundation
- ☒ Web Server (IIS) Support
- ☒ **COM+ Network Access**
- ☐ TCP Port Sharing
- ☐ Windows Process Activation Service Support
 - ☒ HTTP Activation
 - ☐ Message Queuing Activation
 - ☐ TCP Activation
 - ☐ Named Pipes Activation
- ☐ Distributed Transactions
 - ☐ Incoming Remote Transactions
 - ☐ Outgoing Remote Transactions
 - ☐ WS-Atomic Transactions

Description:
[COM+ Network Access](#) enables Application Server to host and allow remote invocation of applications built with COM+ or Enterprise Services components.

[More about role services](#)

Initial Configuration Tasks

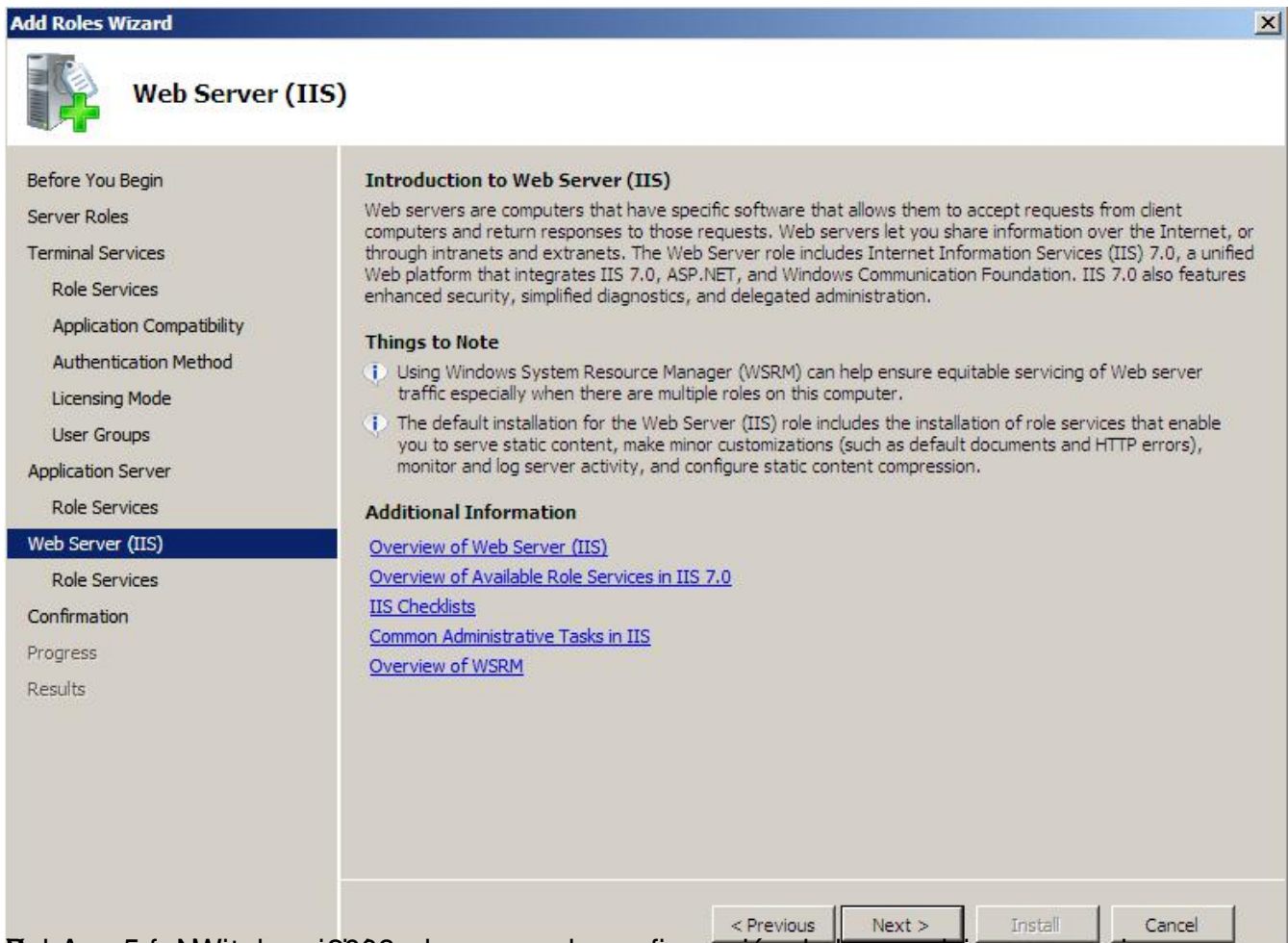
< Previous Next > Install Cancel

Pulsaremos Next para continuar,

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Revisado por N. Alvarado, el proceso de configuración de los servicios necesarios para

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Add Roles Wizard

 Select Role Services

Before You Begin

Server Roles

Terminal Services

Role Services

Application Compatibility

Authentication Method

Licensing Mode

User Groups

Application Server

Role Services

Web Server (IIS)

Role Services

Confirmation

Progress

Results

Select the role services to install for Web Server (IIS):

Role services:

☒ ASP.NET

☒ .NET Extensibility

☐ ASP

☐ CGI

☒ ISAPI Extensions

☒ ISAPI Filters

☐ Server Side Includes

☐ Health and Diagnostics

☒ HTTP Logging

☒ Logging Tools

☒ Request Monitor

☒ Tracing

☐ Custom Logging

☐ ODBC Logging

☒ Security

☒ Basic Authentication

☒ Windows Authentication

☒ Digest Authentication

☒ Client Certificate Mapping Authentication

☒ IIS Client Certificate Mapping Authentication

☒ URL Authorization

☒ Request Filtering

Description:

Web Server

provides support for HTML Web sites and optional support for ASP.NET, ASP, and Web server extensions. You can use the Web Server to host an internal or external Web site or to provide an environment for developers to create Web-based applications.

[More about role services](#)

< Previous

Next >

Install

Cancel

ASP.NET, .NET Extensibility, ASP, CGI, ISAPI Extensions, ISAPI Filters, Server Side Includes, Health and Diagnostics, HTTP Logging, Logging Tools, Request Monitor, Tracing, Custom Logging, ODBC Logging, Security, Basic Authentication, Windows Authentication, Digest Authentication, Client Certificate Mapping Authentication, IIS Client Certificate Mapping Authentication, URL Authorization, Request Filtering

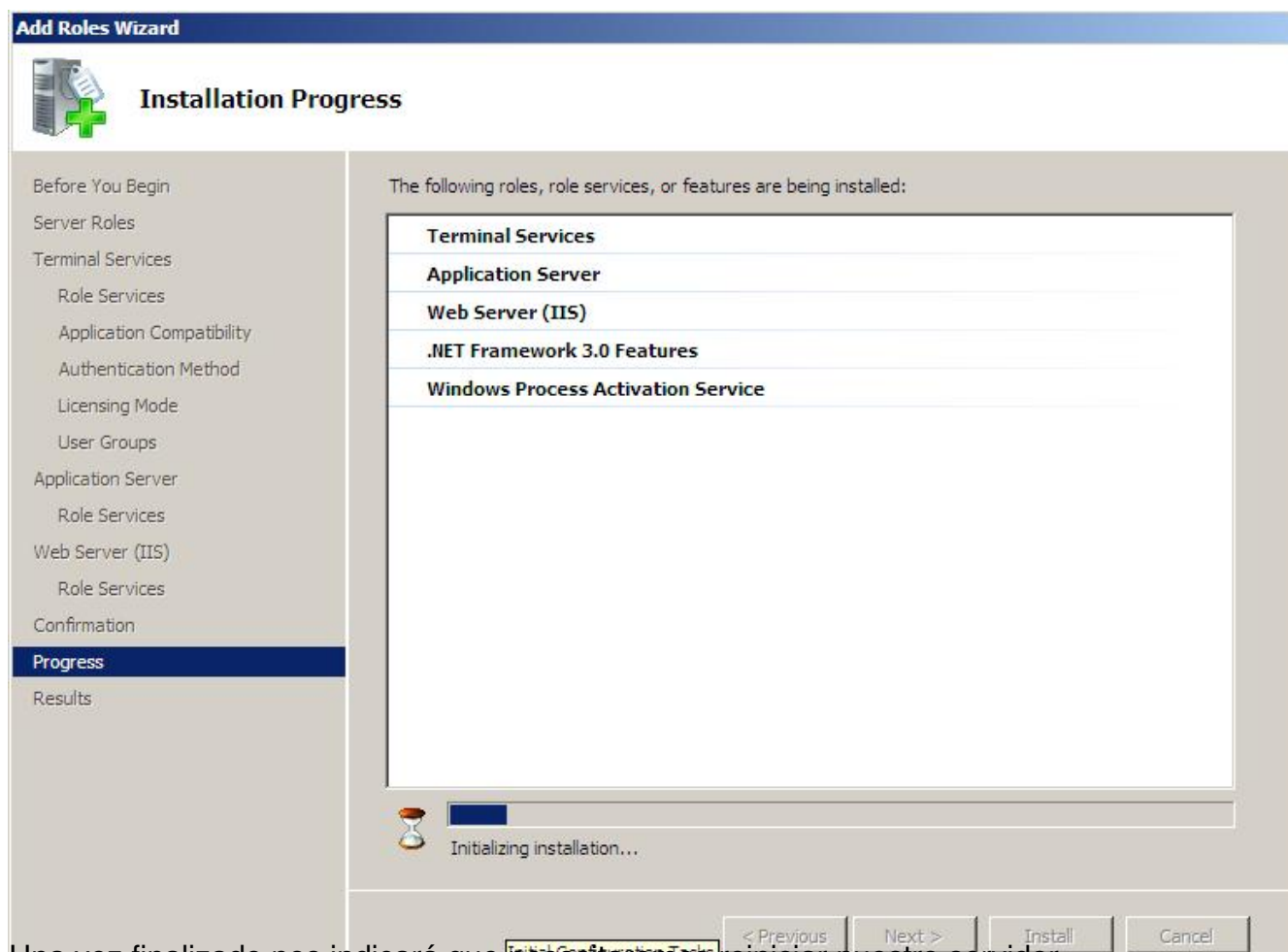
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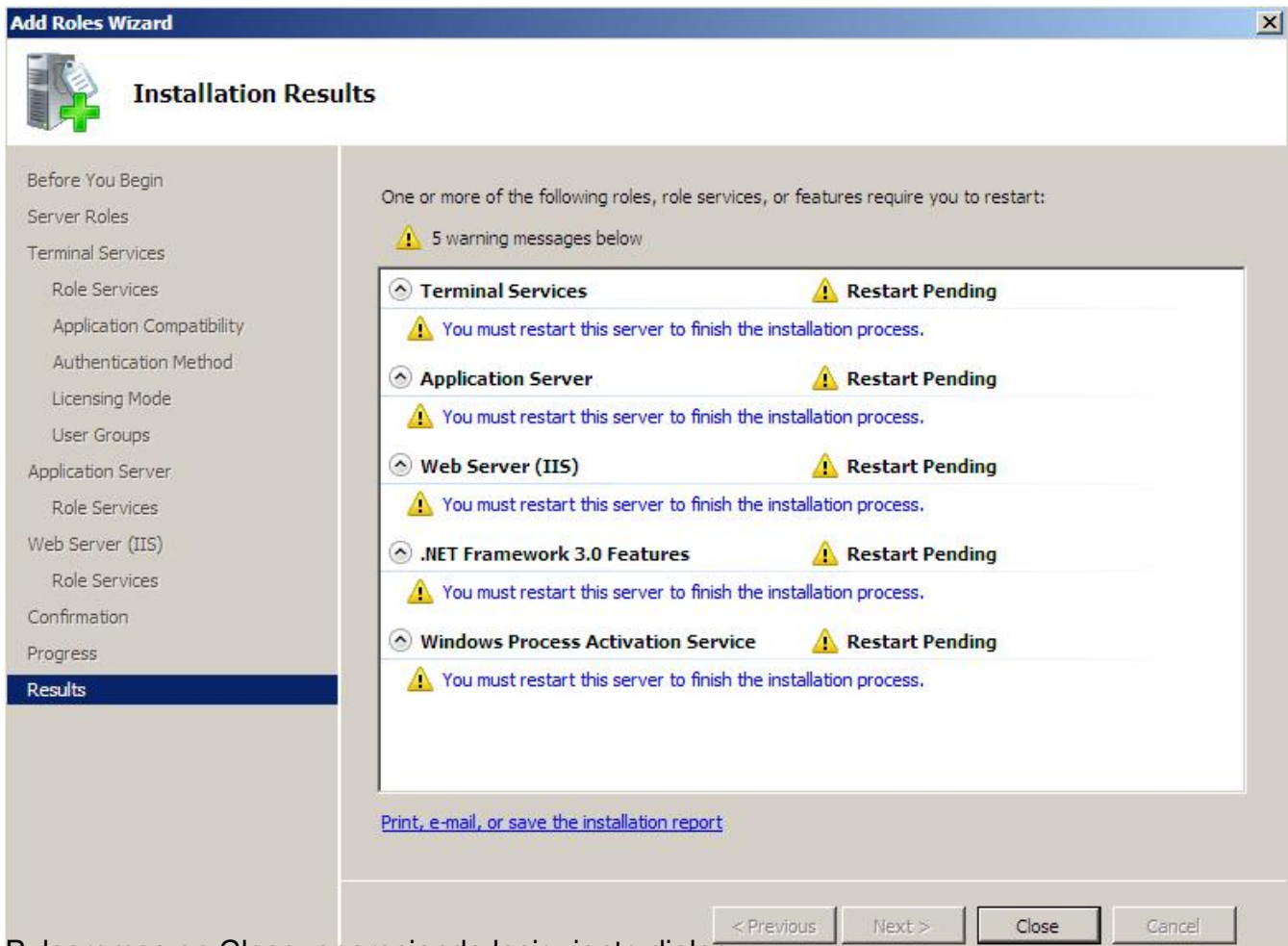


Una vez finalizado nos indicará que necesitaremos reiniciar nuestro servidor.

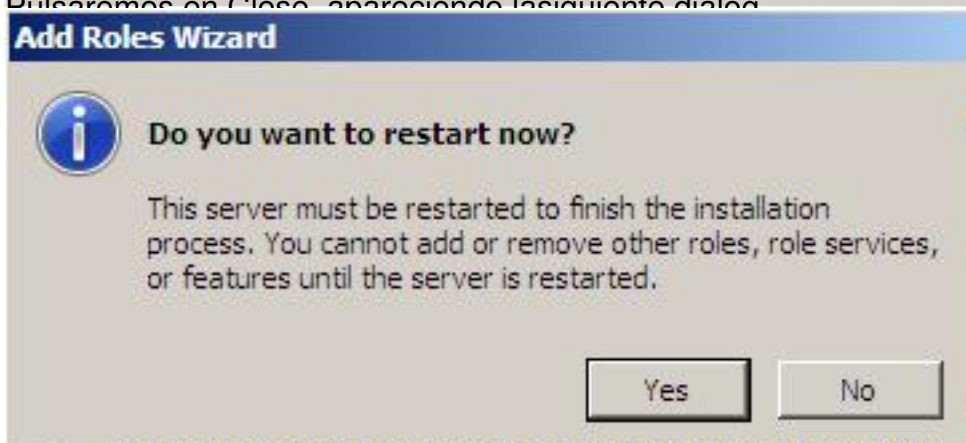
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Pulsaremos en Close, apareciendo la siguiente dialog:

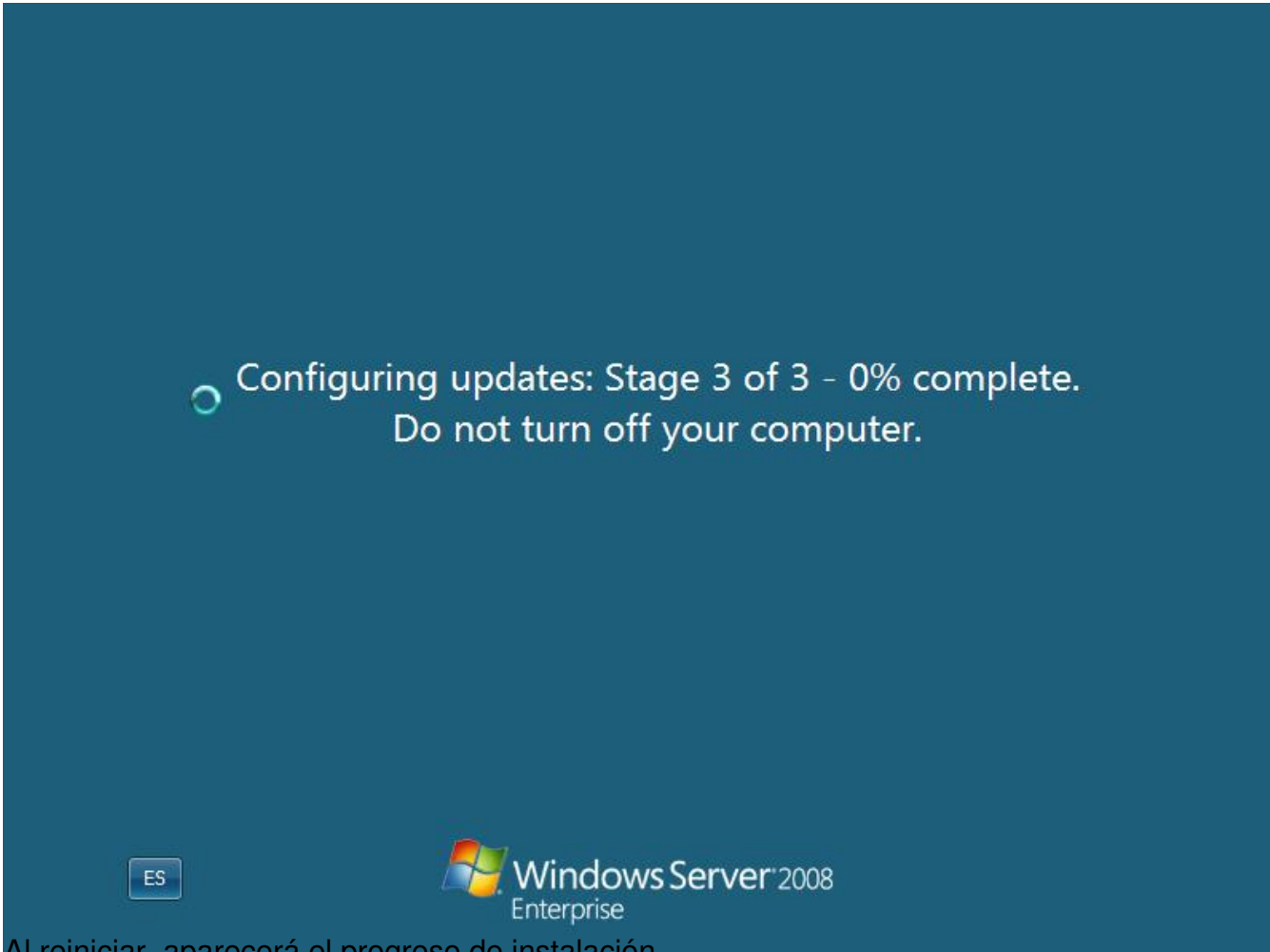


Pulsaremos en Yes para reiniciar. Iniciando el proceso de configuración de Updates,

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Configuring updates: Stage 3 of 3 - 0% complete.
Do not turn off your computer.

ES

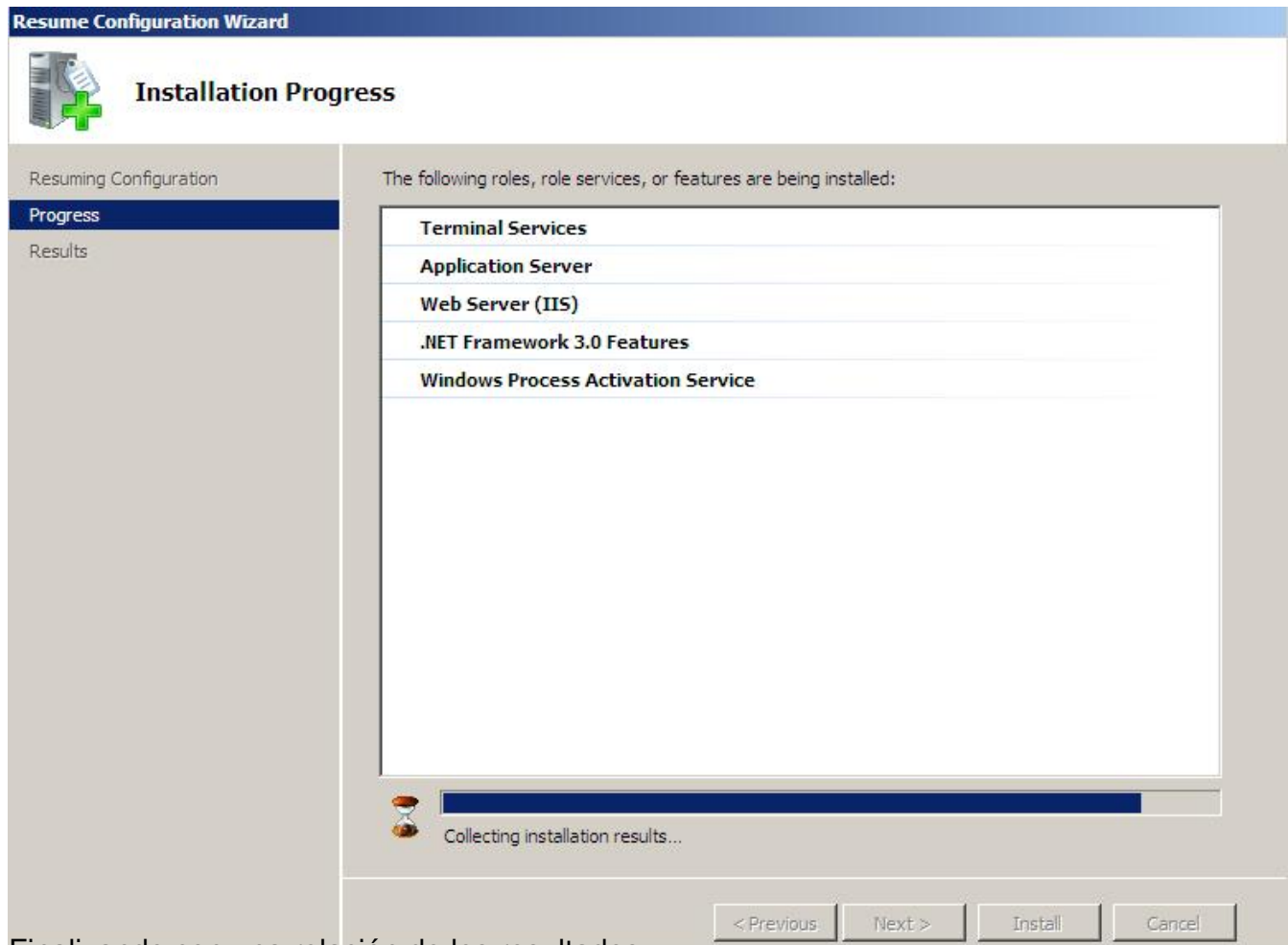
 Windows Server 2008
Enterprise

Al reiniciar, aparecerá el progreso de instalación,

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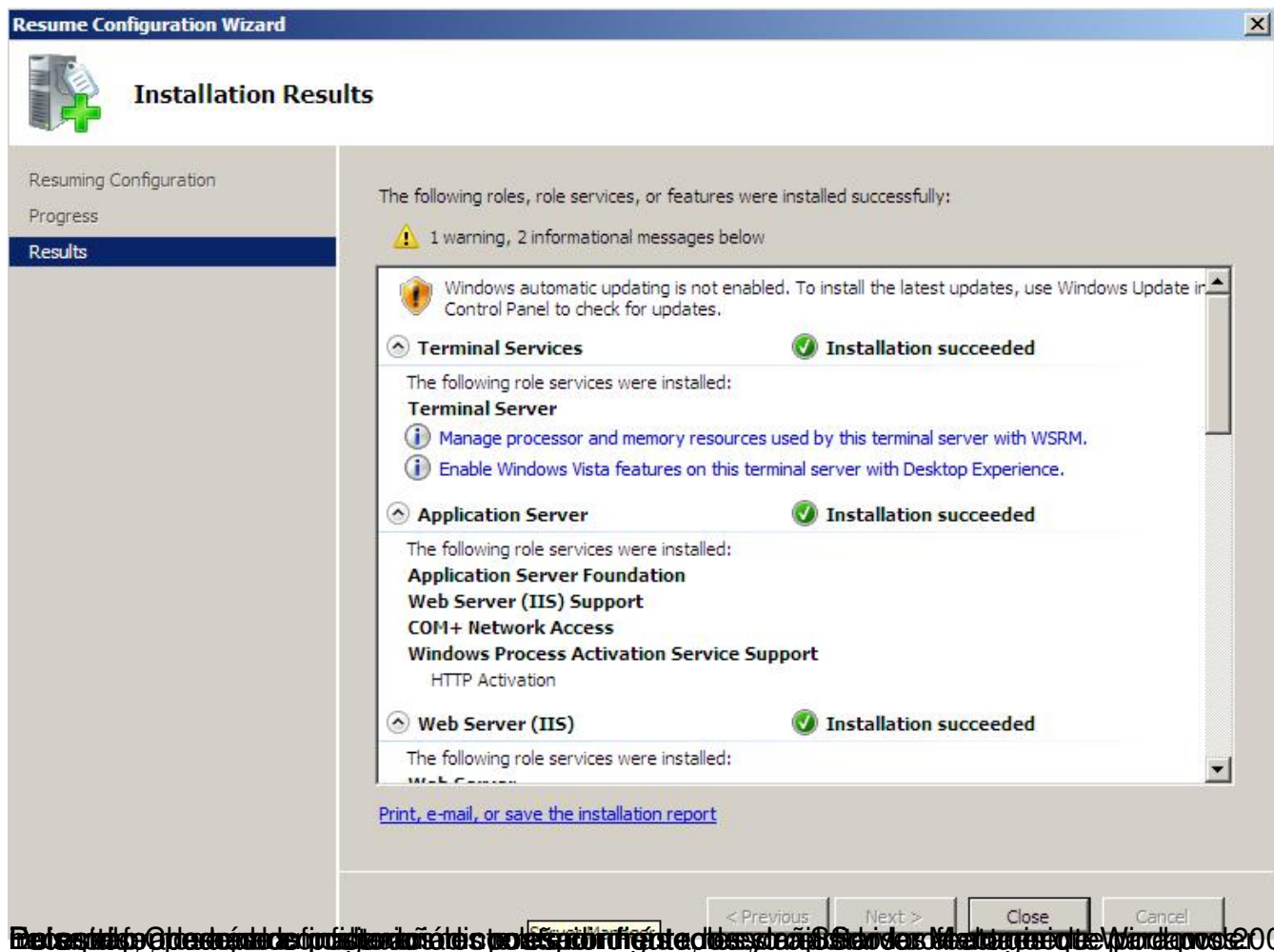


Finalizando con una relación de los resultados,

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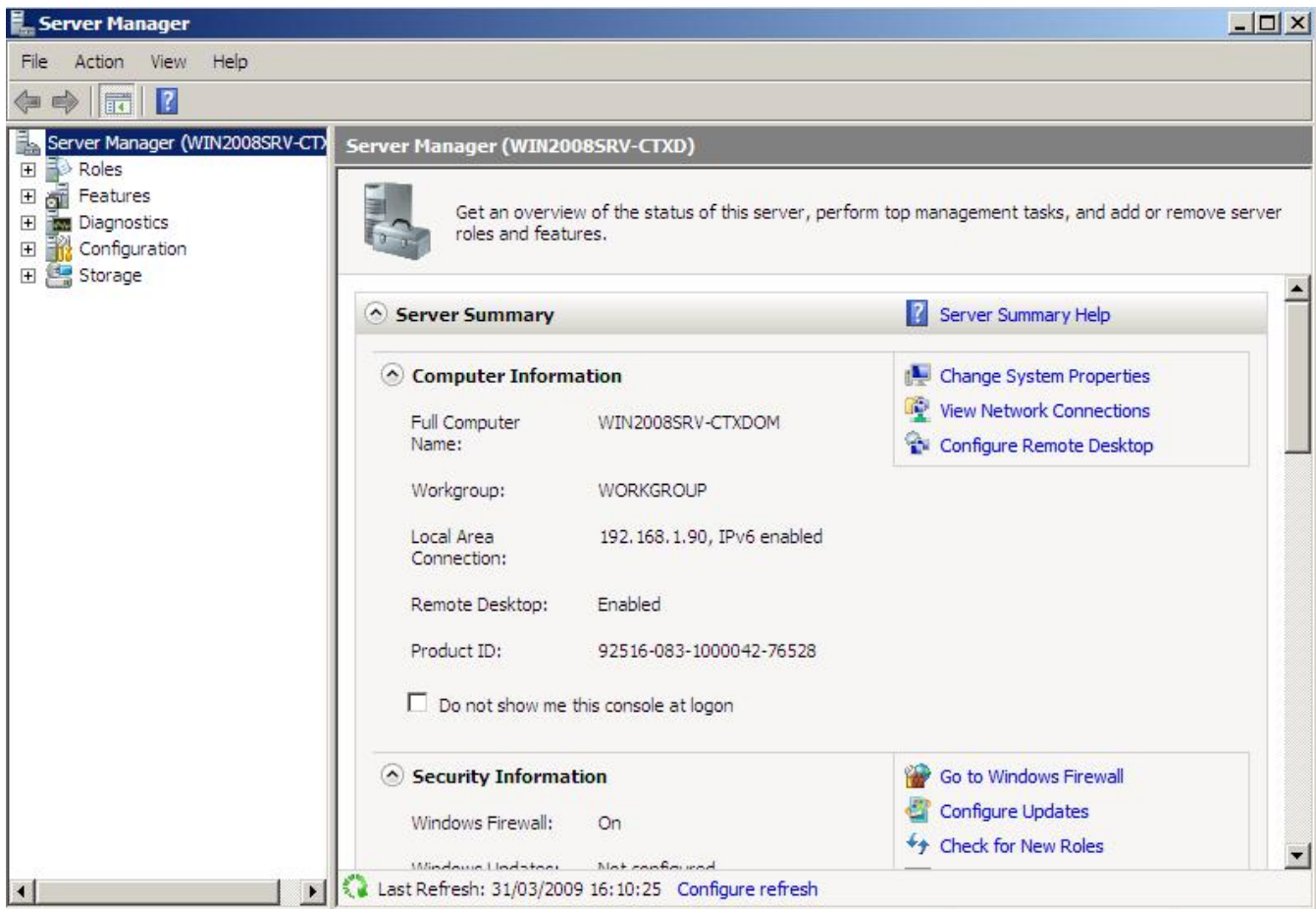
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For Windows 2008 esta guía os sea de utilidad para poder implementar posteriormente XenApp 5