

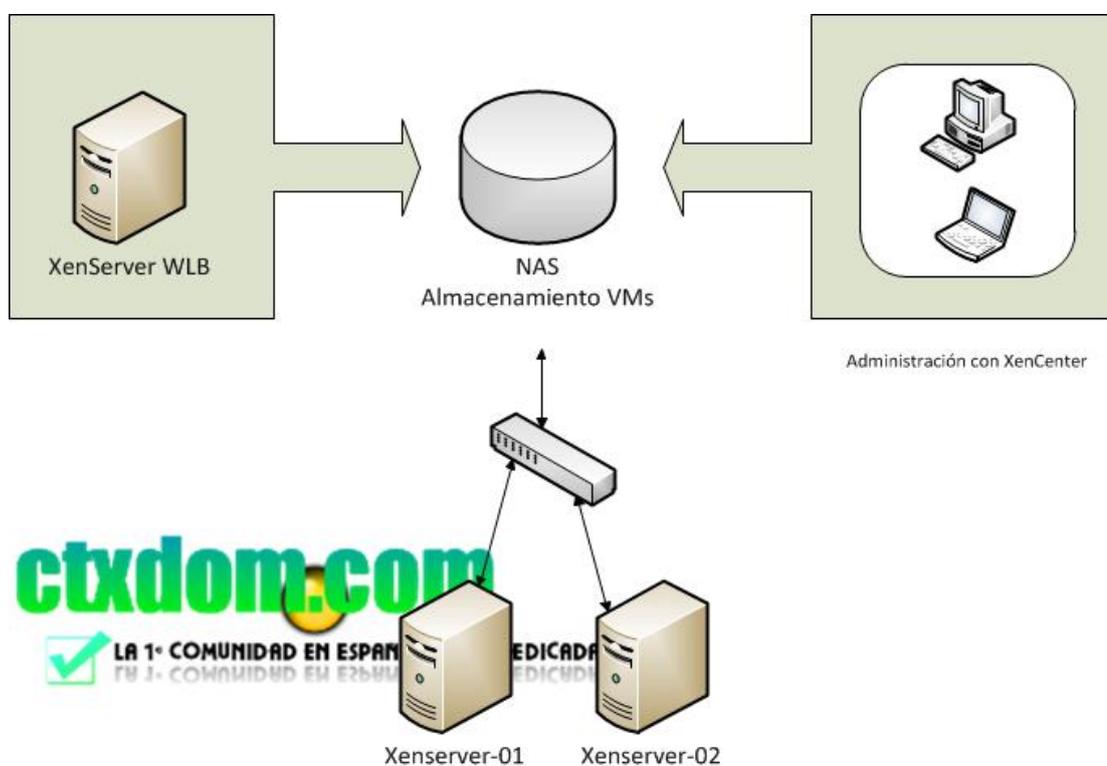
Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

En esta ocasión mostramos un nuevo procedimiento enfocado a XenServer 5.6, especificando como realizar la instalación y configuración de Work Load Balancing (WLB), esta opción únicamente está disponible en las versiones Enterprise y Platinum de XenServer, recordad además de que XenServer 5.6 dispone de una versión algo más reducida con HA integrada siendo la versión Advanced.

Para iniciar explicaremos inicialmente la arquitectura que hemos utilizado,



En nuestro caso hemos realizado la instalación de dos XenServer 5.6 Platinum edition, conectados a una NAS vía NFS, para realizar la configuración de WLB, hemos realizado la instalación de una nueva VM en el Pool de servidores con el nombre xenserverwlb (puede ser cualquier otro), WLB no es necesario que dicho server esté integrado en nuestro AD si no deseamos, y lo hemos implementado de forma totalmente independiente y aislado de nuestro AD, para permitir la carga automática de la misma en caso de reinicio de cualquiera de los dos servidores o de ambos, además de implementar la funcionalidad de HA.

Como Instalar y Configurar WLB en XenServer 5.6

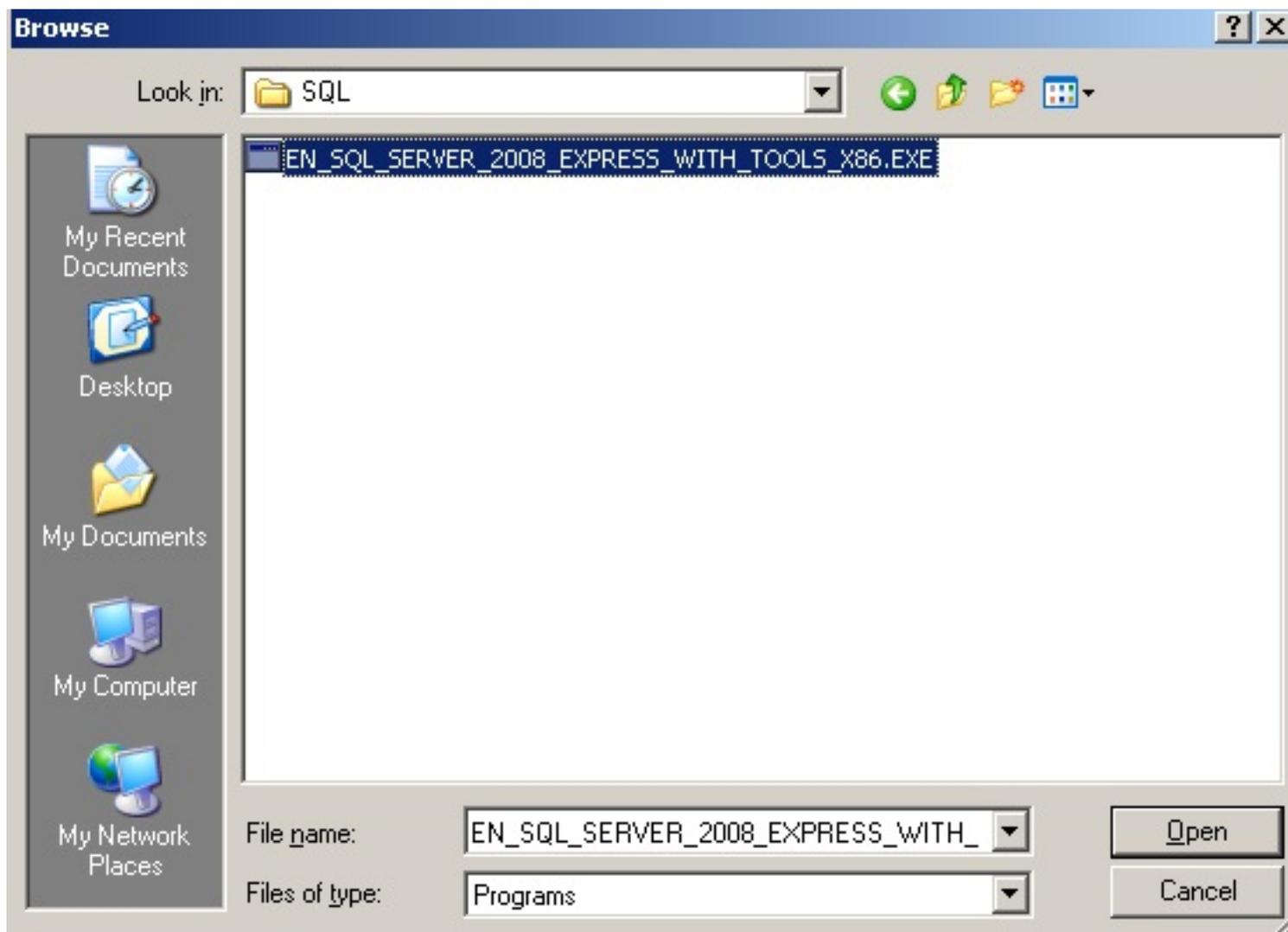
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Una vez instalado dicho sistema operativo en dicha VM, en nuestro caso un Windows 2003 R2 con SP2, hemos realizado la instalación de los siguientes elementos:

- .NET 3.5
- Windows Installer 4.5
- PowerShell 1.x
- SQL Express 2008 contenido en el CD de instalación de WLB

En este procedimiento no comentaremos la instalación de .NET 3.5 ni de Windows Installer 4.5, por tratarse básicamente de un procedimiento del tipo "Next...Next...Next... reboot", pasando directamente al proceso de instalación de SQL Express 2008 y su configuración para poder ser posteriormente manejado por los servicios de WLB.

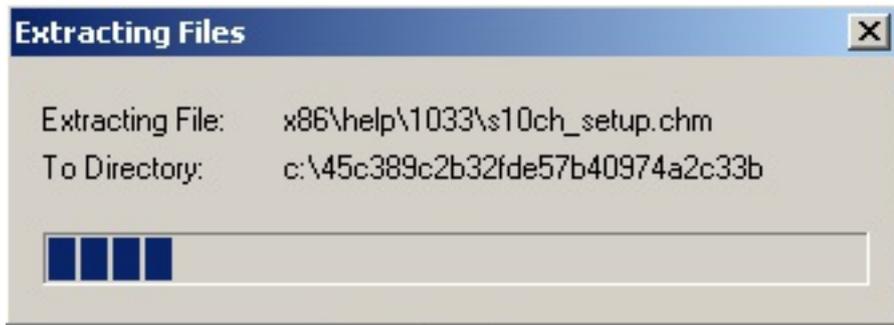


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Ejecutaremos el fichero contenido en el CD de WLB, iniciándose el proceso de instalación de ORACLE 2008 Express,



Iniciándose el proceso de descarga y de extracción de ficheros, posteriormente a ello se iniciará el proceso de carga de SQL 2008 Express,



Arrancando posteriormente la consola administrativa,

Como Instalar y Configurar WLB en XenServer 5.6

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SQL Server Installation Center

Planning
Installation
Maintenance
Tools
Resources
Advanced
Options

- [SQL Server 2008 Books Online](#)
View SQL Server 2008 documentation.
- [SQL Server TechCenter](#)
Get downloads, read blogs, or find information and events of interest to SQL Server Database Administrators and other IT Professionals.
- [SQL Server Developer Center](#)
Get downloads, read blogs, or find information and events of interest to developers working with data stored in SQL Server.
- [SQL Server Product Evaluation Web site](#)
Find case studies, benchmarking data, news and reviews, trial software downloads, and other information to help you decide whether to buy SQL Server.
- [License Agreement](#)
View the SQL Server 2008 license terms.
- [Register your copy of SQL Server 2008 Express](#)
Register to receive e-mail notification of product updates and upcoming releases specific to SQL Server 2008 Express. This gives you access to free registration benefits offered only to registered users, such as the SQL Server Express eBook.
- [Microsoft Privacy Statement](#)
View the Microsoft Privacy Statement.
- [Community](#)
SQL Server-related information from the community: blogs, related sites, upcoming events, and more.
- [Codeplex samples Web site](#)
View and install AdventureWorks sample databases and sample applications.

Microsoft
SQL Server 2008

Pulsando a continuación sobre "Installation",

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SQL Server Installation Center

- Planning
- Installation**
- Maintenance
- Tools
- Resources
- Advanced
- Options

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2008 in a non-clustered environment or to add features to an existing SQL Server 2008 instance.

New SQL Server failover cluster installation
Launch a wizard to install a single-node SQL Server 2008 failover cluster.

Add node to a SQL Server failover cluster
Launch a wizard to add a node to an existing SQL Server 2008 failover cluster.

Upgrade from SQL Server 2000 or SQL Server 2005
Launch a wizard to upgrade SQL Server 2000 or SQL Server 2005 to SQL Server 2008. Before upgrading, you should run the Upgrade Advisor to detect potential problems.

Search for product updates
Search Microsoft Update for SQL Server 2008 product updates.

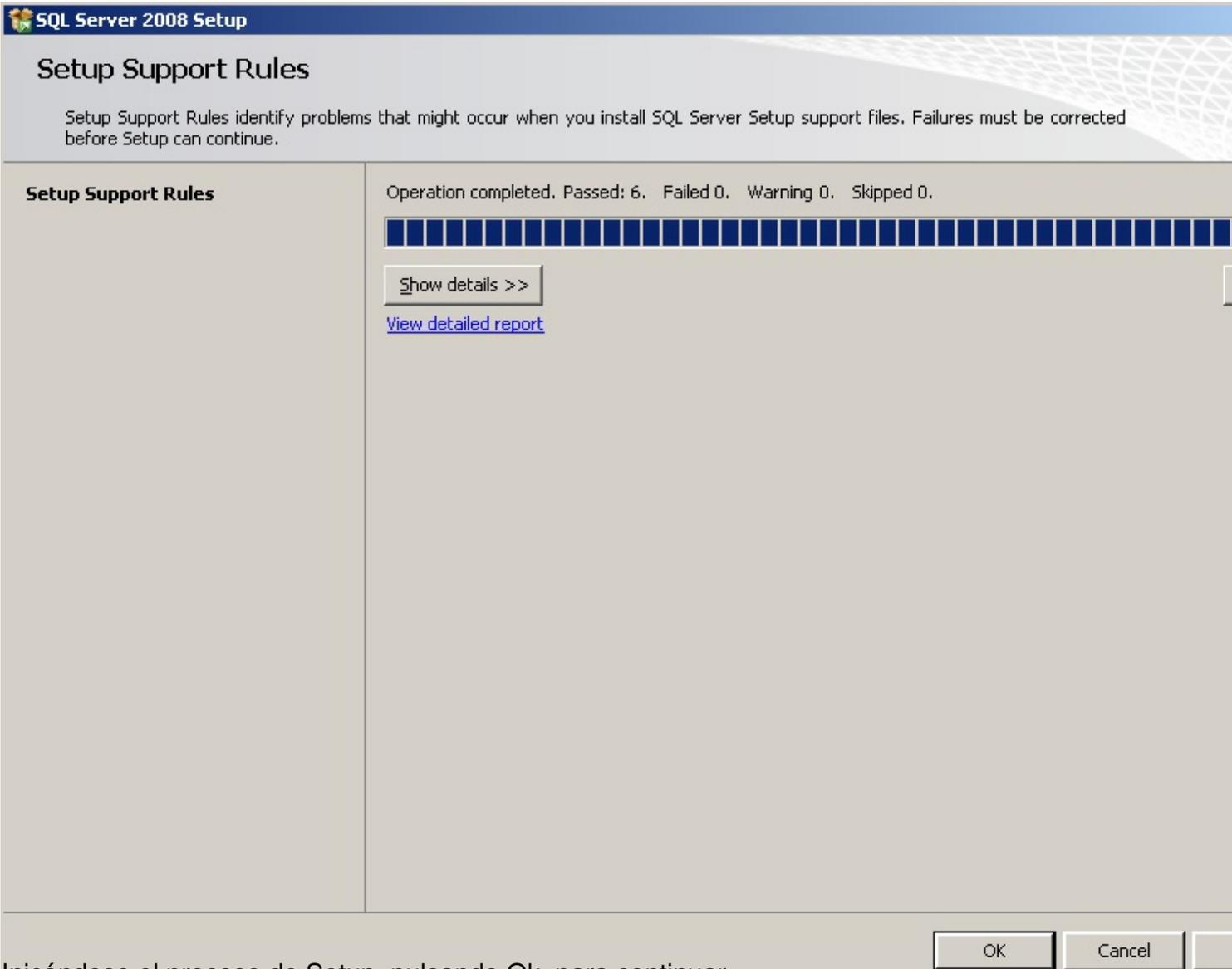
Microsoft
SQL Server 2008

Pulsaremos sobre "New SQL Server stand-alone installation or add.....",

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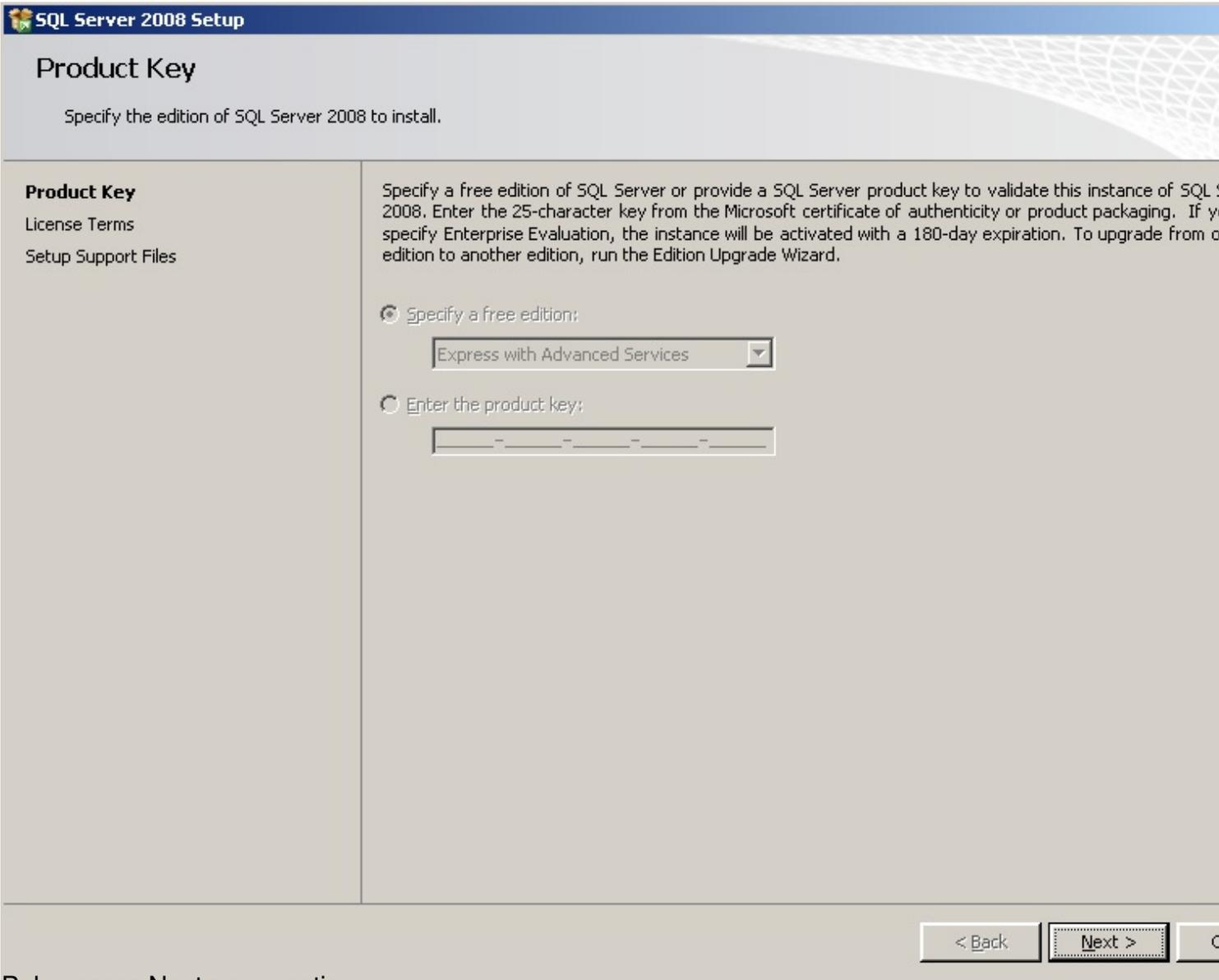


Iniciándose el proceso de Setup, pulsando Ok, para continuar,

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The screenshot shows the 'Product Key' step in the SQL Server 2008 Setup wizard. The title bar reads 'SQL Server 2008 Setup'. The main heading is 'Product Key' with the instruction 'Specify the edition of SQL Server 2008 to install.' Below this, there are three navigation links: 'Product Key', 'License Terms', and 'Setup Support Files'. The main content area contains the following text: 'Specify a free edition of SQL Server or provide a SQL Server product key to validate this instance of SQL Server 2008. Enter the 25-character key from the Microsoft certificate of authenticity or product packaging. If you specify Enterprise Evaluation, the instance will be activated with a 180-day expiration. To upgrade from one edition to another edition, run the Edition Upgrade Wizard.' There are two radio button options: 'Specify a free edition:' (which is selected) and 'Enter the product key:'. Under the first option is a dropdown menu currently showing 'Express with Advanced Services'. Under the second option is a text input field with a dashed line indicating where to enter a 25-character key. At the bottom right, there are three buttons: '< Back', 'Next >' (which is highlighted with a dashed border), and a partially visible 'C' button.

Pulsaremos Next para continuar,

SQL Server 2008 Setup

License Terms

To install SQL Server 2008, you must accept the Microsoft Software License Terms.

Product Key
License Terms
Setup Support Files

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT SQL SERVER 2008 EXPRESS WITH TOOLS EDITION
MICROSOFT SQL SERVER 2008 EXPRESS WITH ADVANCED SERVICES EDITION

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THE

I accept the license terms.

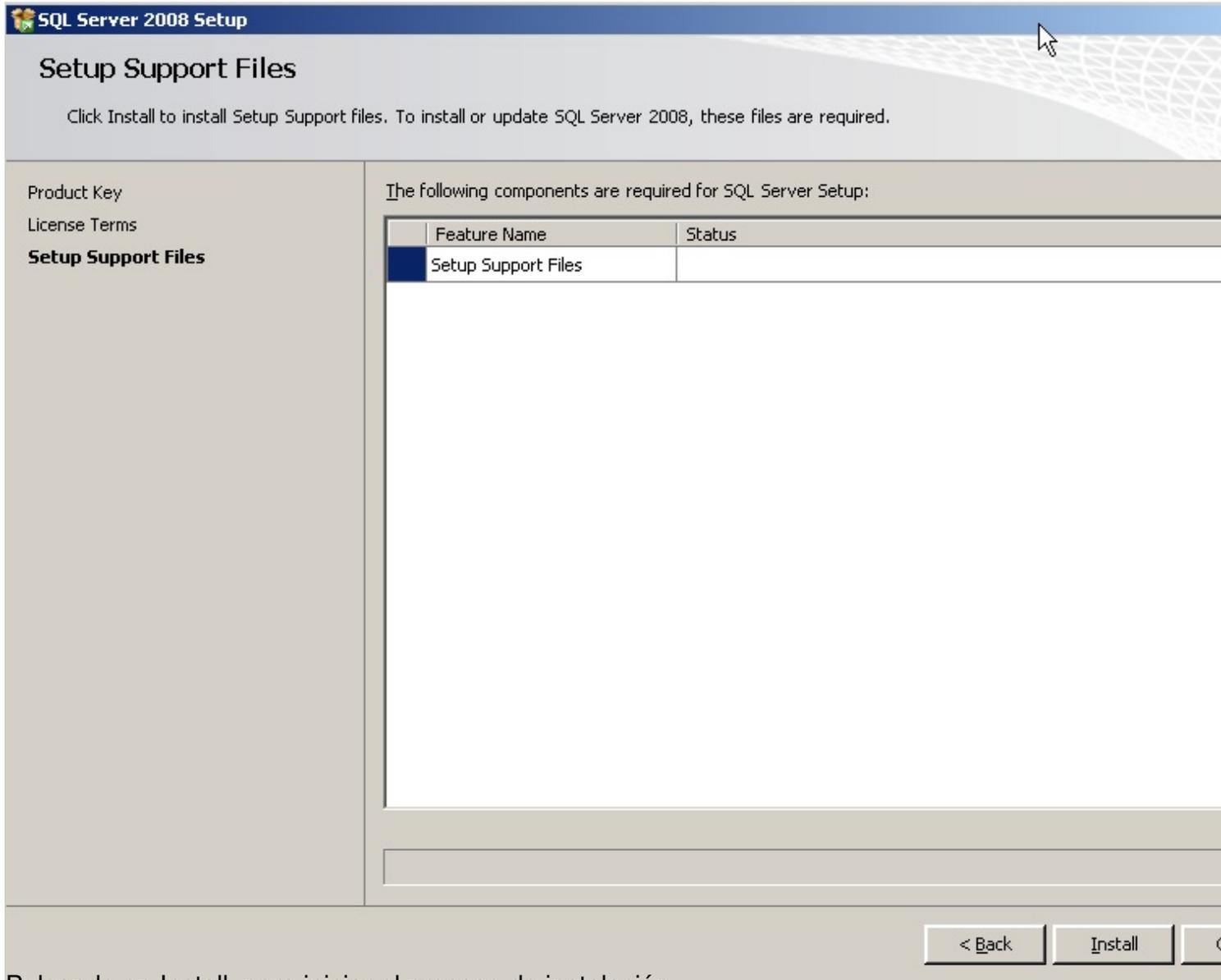
< Back Next >

Aceptaremos los términos de licencia y pulsaremos Next, para continuar,

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Pulsando en Install, para iniciar el proceso de instalación,

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Setup Support Rules

Setup Support Rules identify problems that might occur when you install SQL Server Setup support files. Failures must be corrected before Setup can continue.

Setup Support Rules

- Feature Selection
- Disk Space Requirements
- Error and Usage Reporting
- Installation Rules
- Ready to Install
- Installation Progress
- Complete

Operation completed. Passed: 9. Failed 1. Warning 0. Skipped 1.

Hide details <<

[View detailed report](#)

Rule	Status
 Fusion Active Template Library (ATL)	Passed
 Unsupported SQL Server products	Passed
 Performance counter registry hive consistency	Passed
 Previous releases of SQL Server 2008 Business Intelligence Develop...	Passed
 Previous CTP installation	Passed
 Consistency validation for SQL Server registry keys	Passed
 Computer domain controller	Passed
 Microsoft .NET Application Security	Not applicable
 Edition WOW64 platform	Passed
 Windows PowerShell	Failed
 Windows Firewall	Passed

En este caso, el error es el PowerShell. Instalamos el PowerShell en el servidor y reiniciamos el servidor. Después de eso, el PowerShell se instala correctamente y el proceso de instalación continúa.

Como Instalar y Configurar WLB en XenServer 5.6

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The screenshot shows the 'Setup Support Rules' dialog box in SQL Server 2008 Setup. The title bar reads 'SQL Server 2008 Setup'. The main heading is 'Setup Support Rules'. Below the heading, a message states: 'Setup Support Rules identify problems that might occur when you install SQL Server Setup support files. Failures must be corrected before Setup can continue.'

On the left side, there is a vertical list of installation steps: 'Setup Support Rules', 'Feature Selection', 'Disk Space Requirements', 'Error and Usage Reporting', 'Installation Rules', 'Ready to Install', 'Installation Progress', and 'Complete'. 'Setup Support Rules' is currently selected.

The main area shows the results of the support rule checks. At the top, it says 'Operation completed. Passed: 10. Failed 0. Warning 0. Skipped 1.' Below this is a progress bar consisting of 11 blue segments. A 'Hide details <<' button is present, along with a link to 'View detailed report'.

A table lists the following rules and their statuses:

Rule	Status
Fusion Active Template Library (ATL)	Passed
Unsupported SQL Server products	Passed
Performance counter registry hive consistency	Passed
Previous releases of SQL Server 2008 Business Intelligence Develop...	Passed
Previous CTP installation	Passed
Consistency validation for SQL Server registry keys	Passed
Computer domain controller	Passed
Microsoft .NET Application Security	Not applicable
Edition WOW64 platform	Passed
Windows PowerShell	Passed
Windows Firewall	Passed

At the bottom of the dialog, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Selecciona el botón 'Next >' cuando aparezca la dialog de Featrure Selection,

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The screenshot shows the 'SQL Server 2008 Setup' window, specifically the 'Feature Selection' step. The window title is 'SQL Server 2008 Setup'. Below the title bar, the text reads: 'Select the Express with Advanced Services features to install. For clustered installations, only Database Engine Services and Analysis Services can be clustered.'

On the left side, there is a vertical list of installation steps: 'Setup Support Rules', 'Feature Selection' (highlighted), 'Instance Configuration', 'Disk Space Requirements', 'Server Configuration', 'Database Engine Configuration', 'Error and Usage Reporting', 'Installation Rules', 'Ready to Install', 'Installation Progress', and 'Complete'.

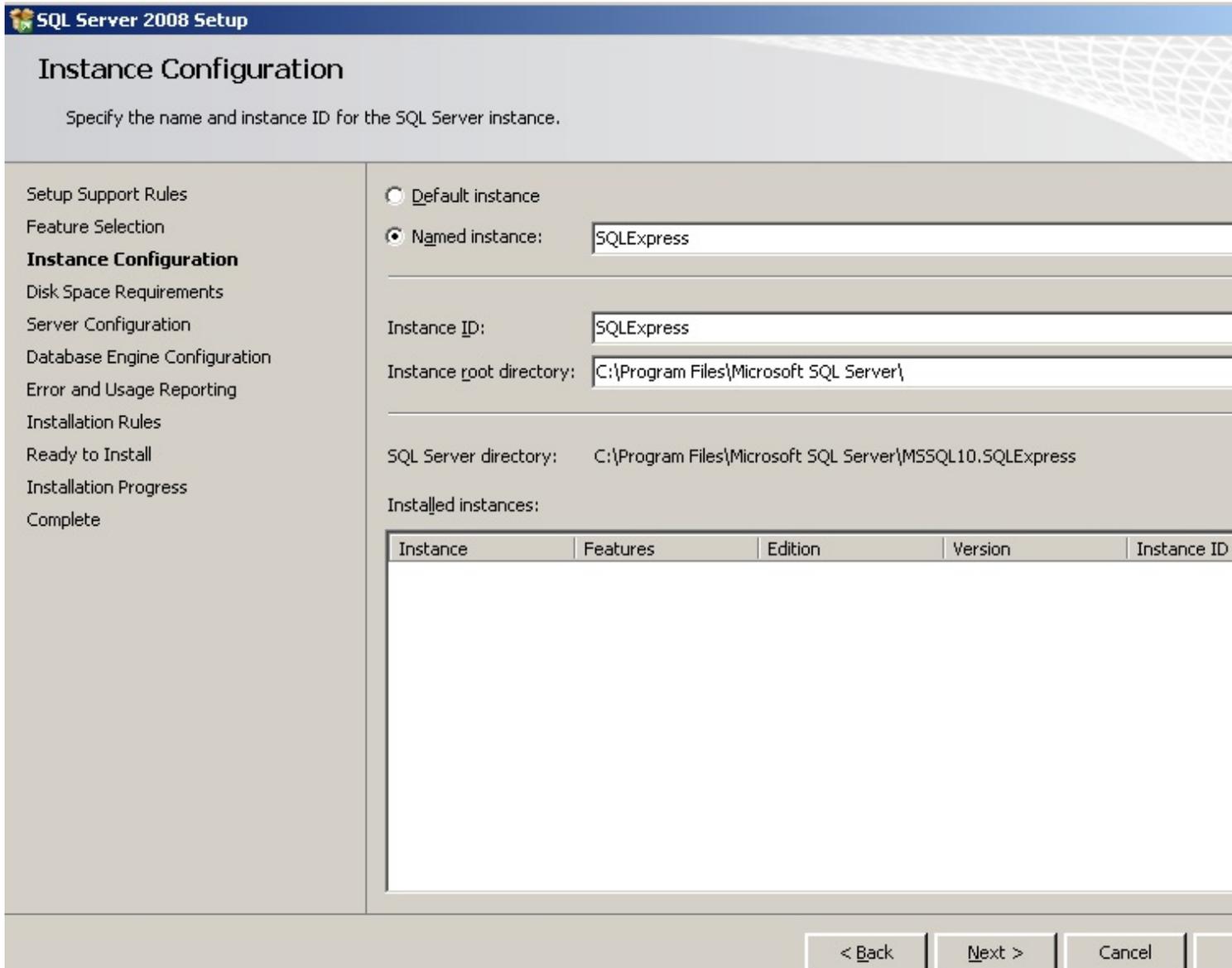
The main area is divided into three columns: 'Features:', 'Description:', and a description text area. Under 'Features:', there are three sections: 'Instance Features' with 'Database Engine Services' (checked) and 'SQL Server Replication' (unchecked); 'Shared Features' with 'Management Tools - Basic' (checked) and 'SQL Client Connectivity SDK' (unchecked); and 'Redistributable Features' which is empty. The 'Description:' column contains the text: 'Includes Management Studio support for the Database Engine and SQL Server Express, SQL Server command-line utilities (SQLCMD), and the SQL Server Provider for ODBC.' Below the feature list are 'Select All' and 'Unselect All' buttons. At the bottom, there is a 'Shared feature directory:' label followed by a text box containing 'C:\Program Files\Microsoft SQL Server\'. At the very bottom of the window are '< Back', 'Next >', and 'Cancel' buttons.

Pulsando Next, para continuar,

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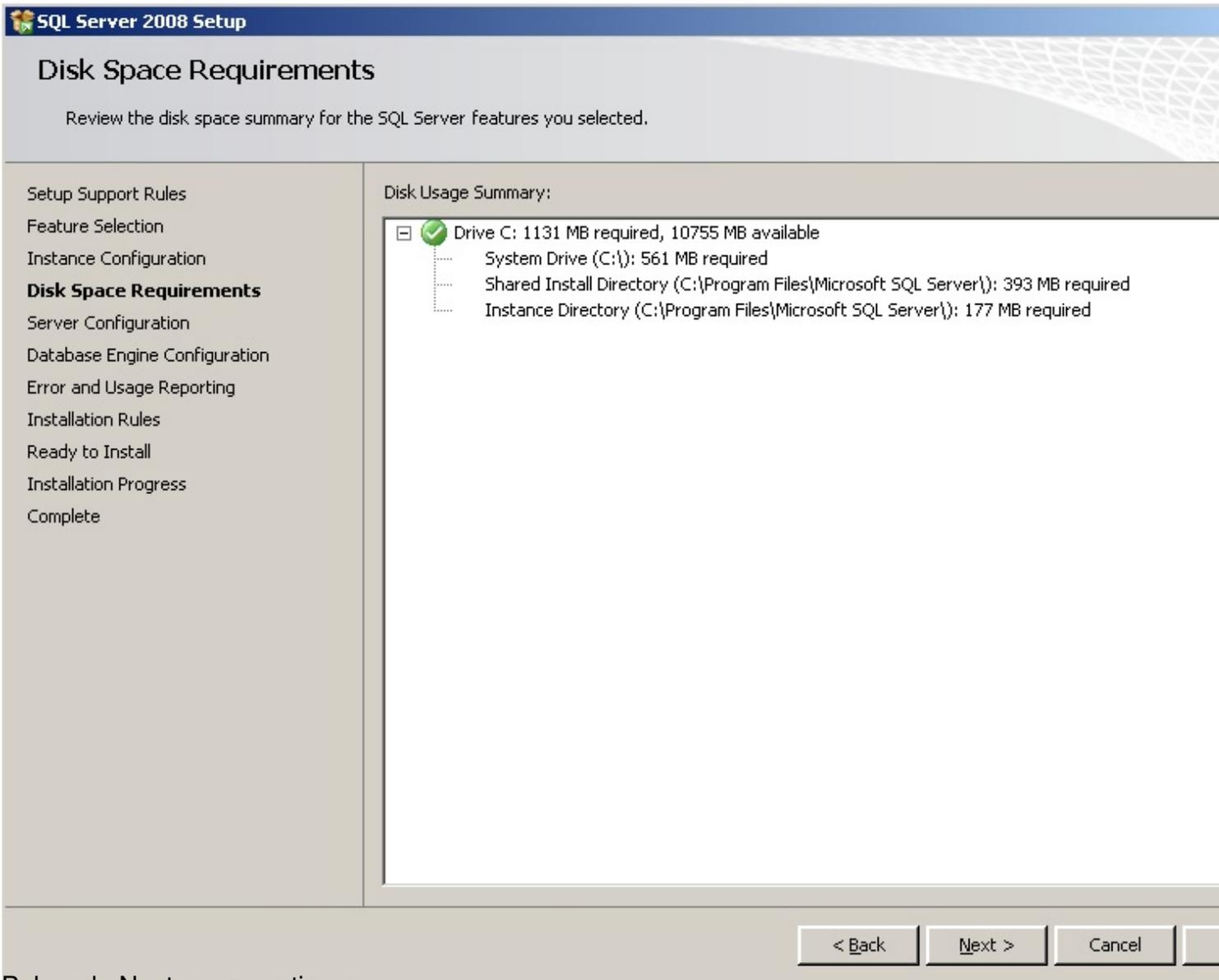


Espectáculo de magia y trucos en directo en el teatro de la Alameda de San Sebastián, en Madrid, el día

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The screenshot shows the 'SQL Server 2008 Setup' window at the 'Disk Space Requirements' step. The left sidebar lists the installation steps, with 'Disk Space Requirements' highlighted. The main area displays a 'Disk Usage Summary' for Drive C: with a green checkmark icon. The summary lists the total required space (1131 MB) and available space (10755 MB), along with a breakdown of requirements for the System Drive, Shared Install Directory, and Instance Directory. At the bottom right, there are buttons for '< Back', 'Next >', and 'Cancel'.

SQL Server 2008 Setup

Disk Space Requirements

Review the disk space summary for the SQL Server features you selected.

Setup Support Rules
Feature Selection
Instance Configuration
Disk Space Requirements
Server Configuration
Database Engine Configuration
Error and Usage Reporting
Installation Rules
Ready to Install
Installation Progress
Complete

Disk Usage Summary:

- ✓ Drive C: 1131 MB required, 10755 MB available
 - System Drive (C:): 561 MB required
 - Shared Install Directory (C:\Program Files\Microsoft SQL Server\): 393 MB required
 - Instance Directory (C:\Program Files\Microsoft SQL Server\): 177 MB required

< Back Next > Cancel

Pulsando Next, para continuar,

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SQL Server 2008 Setup

Server Configuration

Specify the configuration.

- Setup Support Rules
- Feature Selection
- Instance Configuration
- Disk Space Requirements
- Server Configuration**
- Database Engine Configuration
- Error and Usage Reporting
- Installation Rules
- Ready to Install
- Installation Progress
- Complete

Service Accounts | Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Database Engine			Automatic

Use the same account for all SQL Server services

These services will be configured automatically where possible to use a low privilege account. On some older Windows versions the user will need to specify a low privilege account. For more information, see Help.

Service	Account Name	Password	Startup Type
SQL Server Browser	NT AUTHORITY\LOCAL S...		Disabled

< Back Next > Cancel

Seleccionaremos en la primera de las opciones una cuenta de Network, pulsando Next para

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The screenshot shows the 'SQL Server 2008 Setup' window, specifically the 'Database Engine Configuration' step. The window title bar includes 'SQL Server 2008 Setup'. The main heading is 'Database Engine Configuration', with a subtitle: 'Specify Database Engine authentication security mode, administrators and data directories.' On the left, a navigation pane lists various setup steps, with 'Database Engine Configuration' highlighted. The main area is divided into three tabs: 'Account Provisioning', 'Data Directories', and 'FILESTREAM'. The 'Account Provisioning' tab is active, showing options for 'Authentication Mode'. The 'Windows authentication mode' radio button is selected. Below this, there are fields for 'Built-in SQL Server system administrator account', 'Enter password:', and 'Confirm password:'. A section for 'Specify SQL Server administrators' contains an empty list box and three buttons: 'Add Current User', 'Add...', and 'Remove'. A note on the right states: 'SQL Server administrators have unrestricted access to the Database Engine.' At the bottom right, there are navigation buttons: '< Back', 'Next >', and 'Cancel'.

Pulsaremos sobre el botón de "Add Current User",

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SQL Server 2008 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators and data directories.

Setup Support Rules
Feature Selection
Instance Configuration
Disk Space Requirements
Server Configuration
Database Engine Configuration
Error and Usage Reporting
Installation Rules
Ready to Install
Installation Progress
Complete

Account Provisioning | Data Directories | FILESTREAM

Specify the authentication mode and administrators for the Database Engine.

Authentication Mode

Windows authentication mode
 Mixed Mode (SQL Server authentication and Windows authentication)

Built-in SQL Server system administrator account

Enter password:

Confirm password:

Specify SQL Server administrators

XENSERVER\WLB\Administrator (Administrator)

SQL Server administrators have unrestricted access to the Database Engine.

Add Current User | Add... | Remove

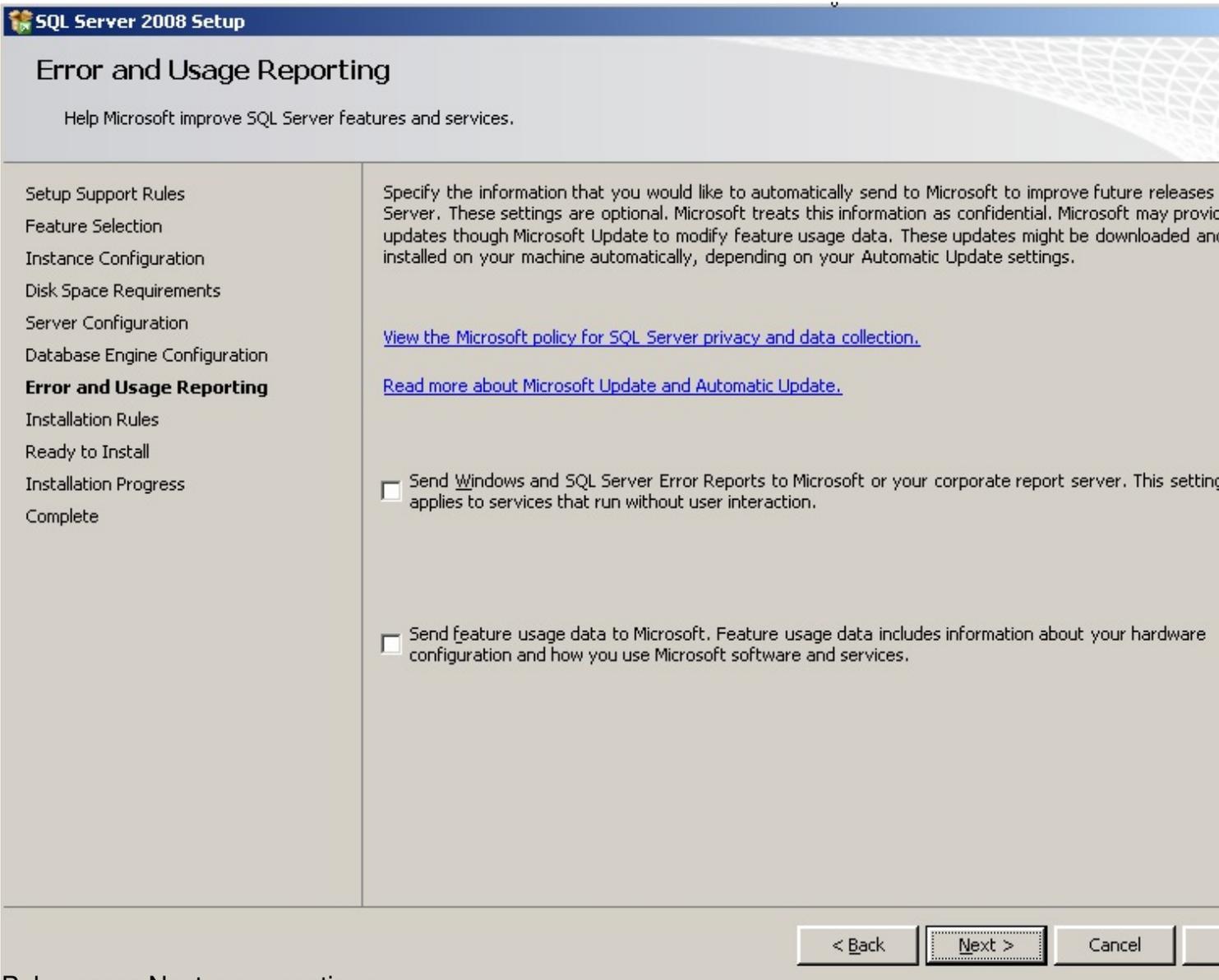
< Back | Next > | Cancel

Por lo tanto, utilizamos el botón "Next" para ir a la siguiente pantalla, seleccionando "MIXED MODE", especificando el

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The screenshot shows the 'SQL Server 2008 Setup' window, specifically the 'Error and Usage Reporting' step. The window has a blue header with the Microsoft logo and the text 'SQL Server 2008 Setup'. Below the header, the title 'Error and Usage Reporting' is displayed in a large font, followed by the subtitle 'Help Microsoft improve SQL Server features and services.'.

On the left side, there is a vertical list of installation steps: 'Setup Support Rules', 'Feature Selection', 'Instance Configuration', 'Disk Space Requirements', 'Server Configuration', 'Database Engine Configuration', 'Error and Usage Reporting' (which is bolded and highlighted), 'Installation Rules', 'Ready to Install', 'Installation Progress', and 'Complete'.

The main area of the dialog contains the following text: 'Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates through Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings.'

Below this text are two hyperlinks: '[View the Microsoft policy for SQL Server privacy and data collection.](#)' and '[Read more about Microsoft Update and Automatic Update.](#)'.

There are two checkboxes with the following labels: ' Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting applies to services that run without user interaction.' and ' Send feature usage data to Microsoft. Feature usage data includes information about your hardware configuration and how you use Microsoft software and services.'

At the bottom right of the dialog, there are four buttons: '< Back', 'Next >' (which is highlighted with a dotted border), 'Cancel', and a partially visible 'Finish' button.

Pulsaremos Next, para continuar,

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The screenshot shows the 'SQL Server 2008 Setup' window with the 'Installation Rules' section selected. The left sidebar lists various setup steps, with 'Installation Rules' highlighted. The main area displays the status of the rules: 'Operation completed. Passed: 9. Failed 0. Warning 0. Skipped 2.' Below this is a progress bar consisting of 20 blue segments. A 'Show details >>' button and a 'View detailed report' link are visible. At the bottom right, there are navigation buttons: '< Back', 'Next >', and 'Cancel'.

Pulsaremos Next, para continuar,

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SQL Server 2008 Setup

Ready to Install

Verify the SQL Server 2008 features to be installed.

- Setup Support Rules
- Feature Selection
- Instance Configuration
- Disk Space Requirements
- Server Configuration
- Database Engine Configuration
- Error and Usage Reporting
- Installation Rules
- Ready to Install**
- Installation Progress
- Complete

Ready to install SQL Server 2008:

- Summary
 - Edition: Express with Advanced Services
 - Action: Install
- General Configuration
 - Features
 - Database Engine Services
 - Management Tools - Basic
 - Instance configuration
 - Instance Name: SQLEXPRESS
 - Instance ID: SQLExpress
 - Instance IDs
 - SQL Database Engine: MSSQL10.SQLEXPRESS
 - Instance Directory: C:\Program Files\Microsoft SQL Server\
 - Shared component root directory
 - Shared feature directory: C:\Program Files\Microsoft SQL Server\
 - Error and Usage Reporting
 - Usage Reporting: False
 - Error Reporting: False
 - Instance configuration
 - Agent
 - Service Configuration
 - Account: undefined

Configuration file path:
C:\Program Files\Microsoft SQL Server\100\Setup Bootstrap\Log\20100531_144511\ConfigurationFile.ini

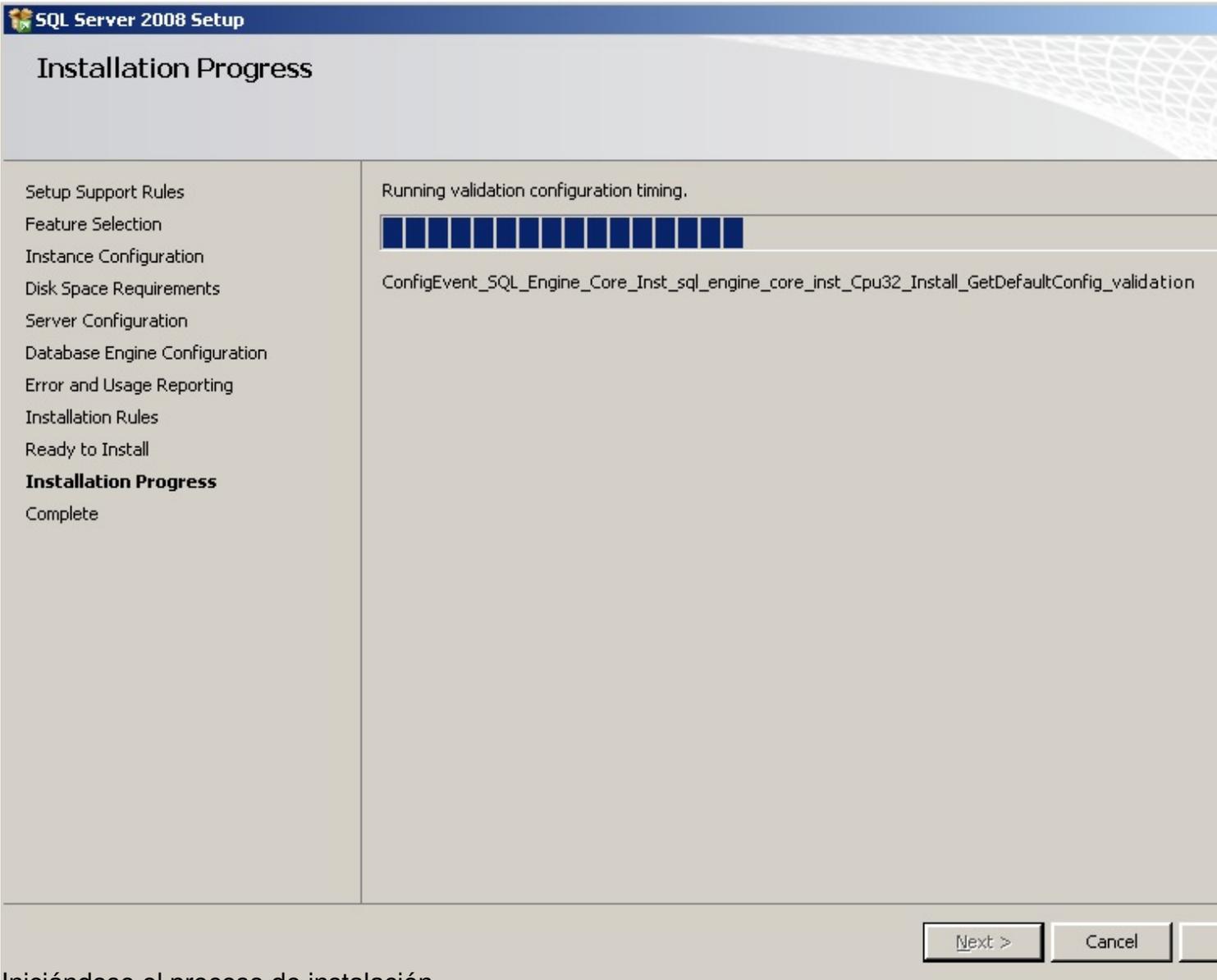
< Back Install Cancel

Pulsaremos posteriormente Install,

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The screenshot shows the 'SQL Server 2008 Setup' window with the 'Installation Progress' section active. The progress bar is filled with 12 blue segments, indicating that the installation is nearly complete. The current step is 'Running validation configuration timing', with the progress bar showing approximately 11 segments filled. The task name is 'ConfigEvent_SQL_Engine_Core_Inst_sql_engine_core_inst_Cpu32_Install_GetDefaultConfig_validation'. The 'Next >' button is visible at the bottom right.

SQL Server 2008 Setup

Installation Progress

- Setup Support Rules
- Feature Selection
- Instance Configuration
- Disk Space Requirements
- Server Configuration
- Database Engine Configuration
- Error and Usage Reporting
- Installation Rules
- Ready to Install
- Installation Progress**
- Complete

Running validation configuration timing.

ConfigEvent_SQL_Engine_Core_Inst_sql_engine_core_inst_Cpu32_Install_GetDefaultConfig_validation

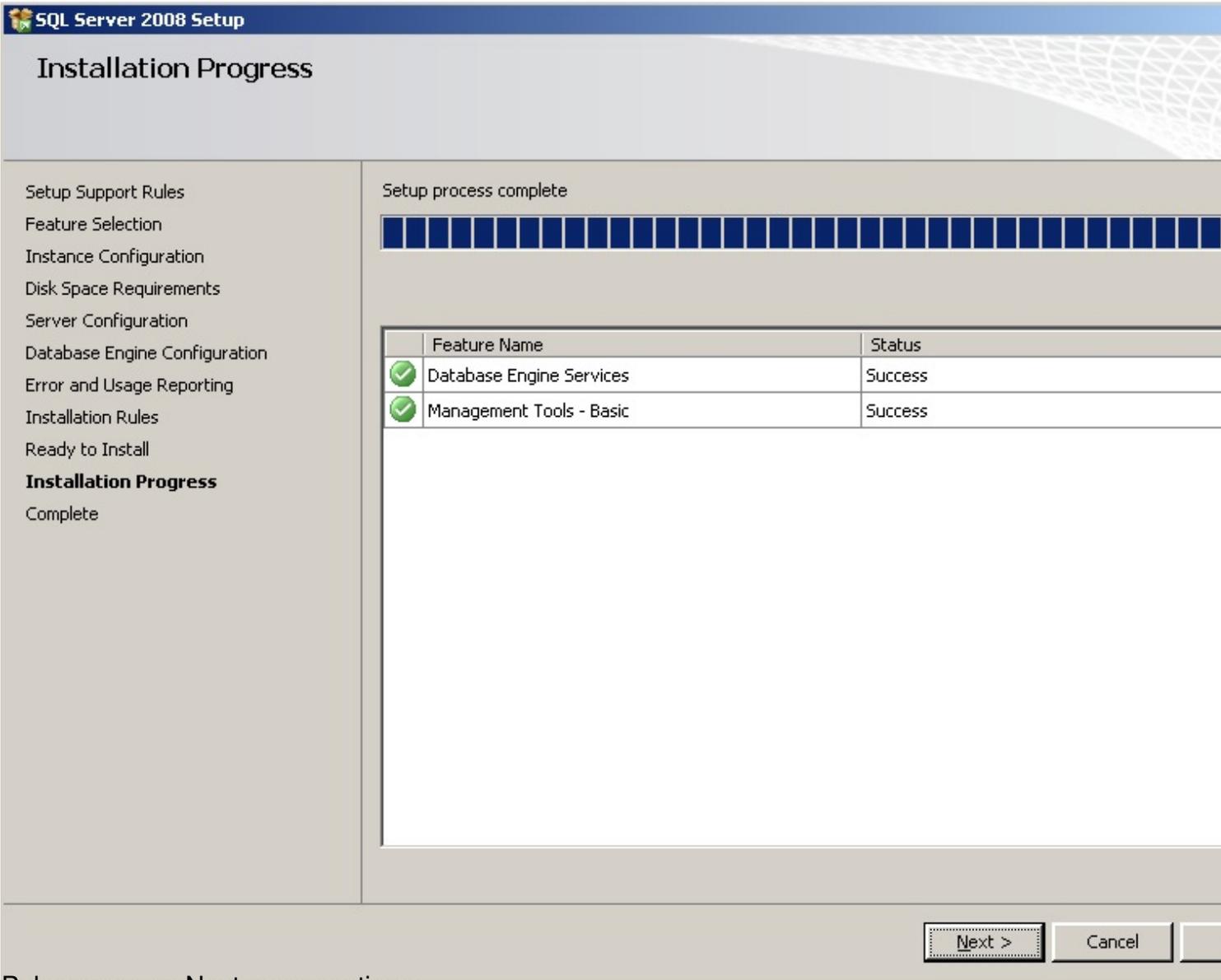
Next > Cancel

Iniciándose el proceso de instalación,

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The screenshot shows the 'SQL Server 2008 Setup' window. The title bar reads 'SQL Server 2008 Setup'. The main heading is 'Installation Progress'. On the left, a list of steps is shown, with 'Installation Progress' and 'Complete' highlighted. The main area shows 'Setup process complete' with a progress bar that is 100% filled. Below this is a table with two rows, both marked as 'Success'. At the bottom right, there are 'Next >', 'Cancel', and 'Back <' buttons.

SQL Server 2008 Setup

Installation Progress

- Setup Support Rules
- Feature Selection
- Instance Configuration
- Disk Space Requirements
- Server Configuration
- Database Engine Configuration
- Error and Usage Reporting
- Installation Rules
- Ready to Install
- Installation Progress**
- Complete

Setup process complete

	Feature Name	Status
✓	Database Engine Services	Success
✓	Management Tools - Basic	Success

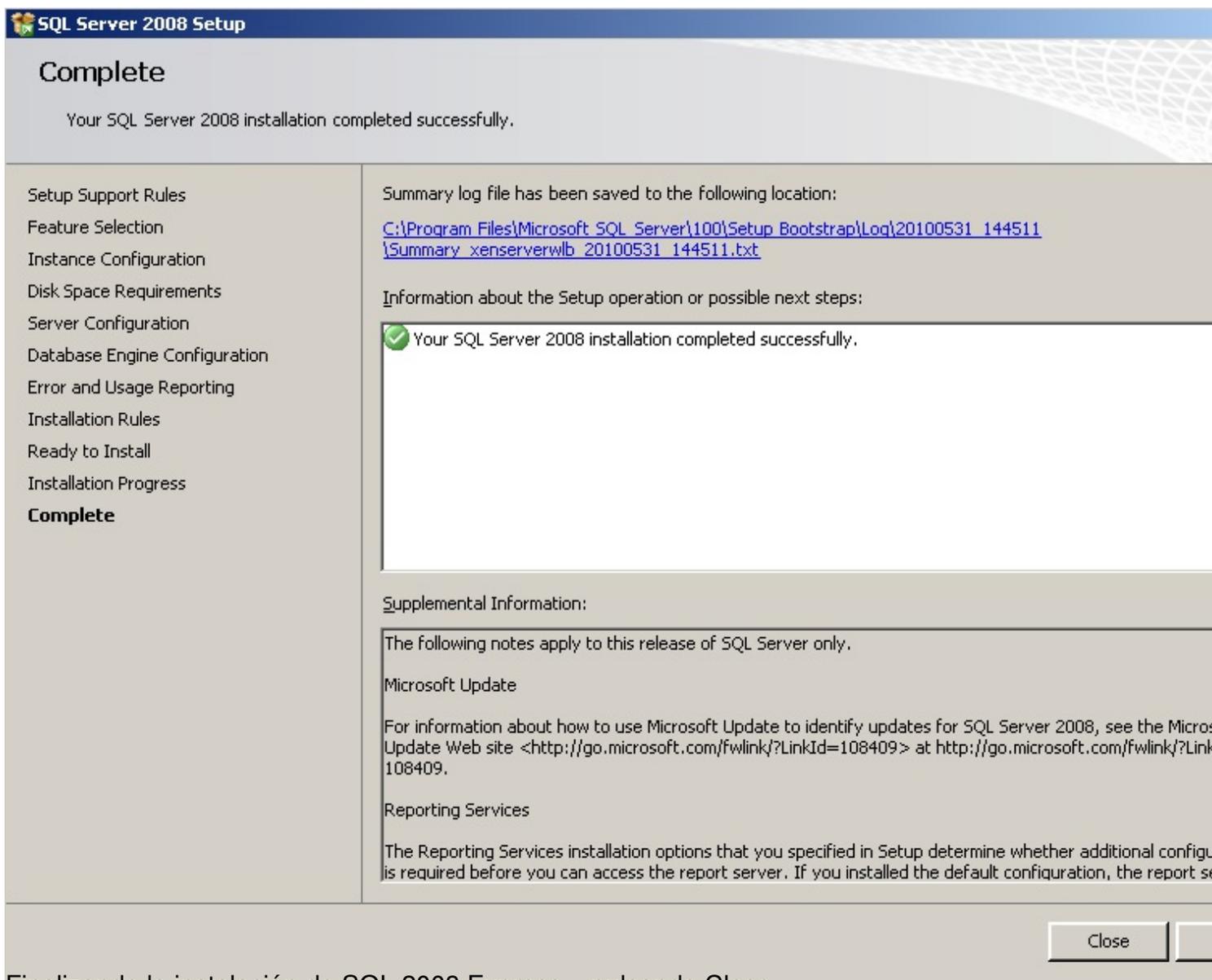
Next > Cancel Back <

Pulsaremos en Next, para continuar,

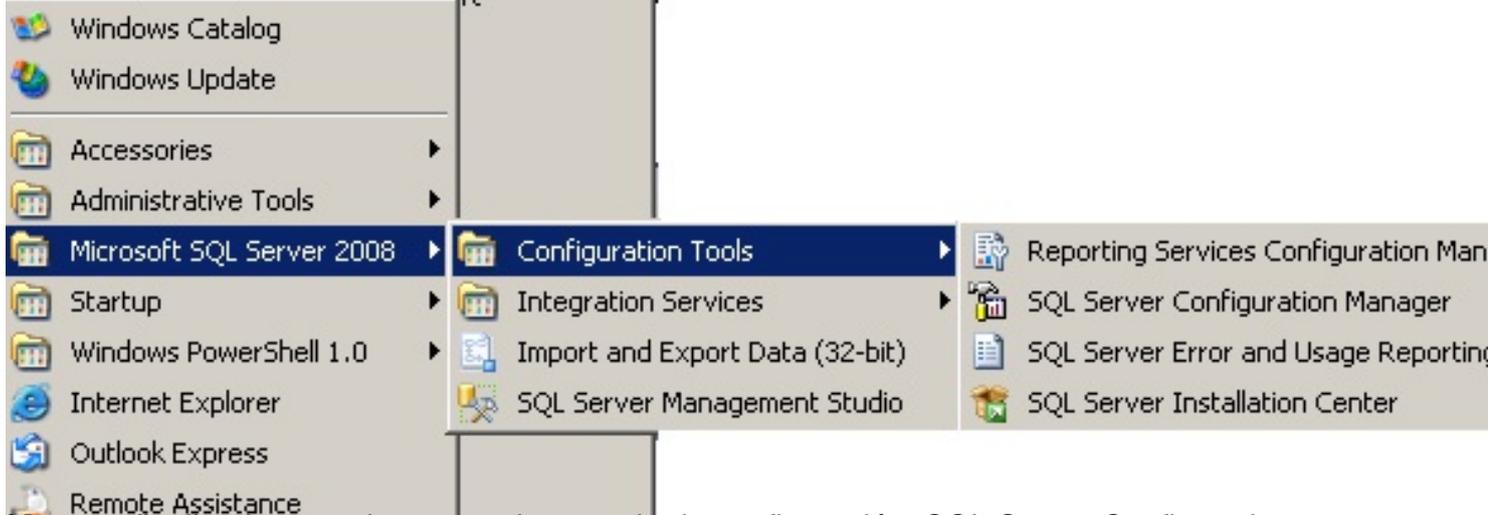
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Finalizando la instalación de SQL 2008 Express, pulsando Close



Una vez finalizado, accederemos a la consola de configuración, SQL Server Configuration

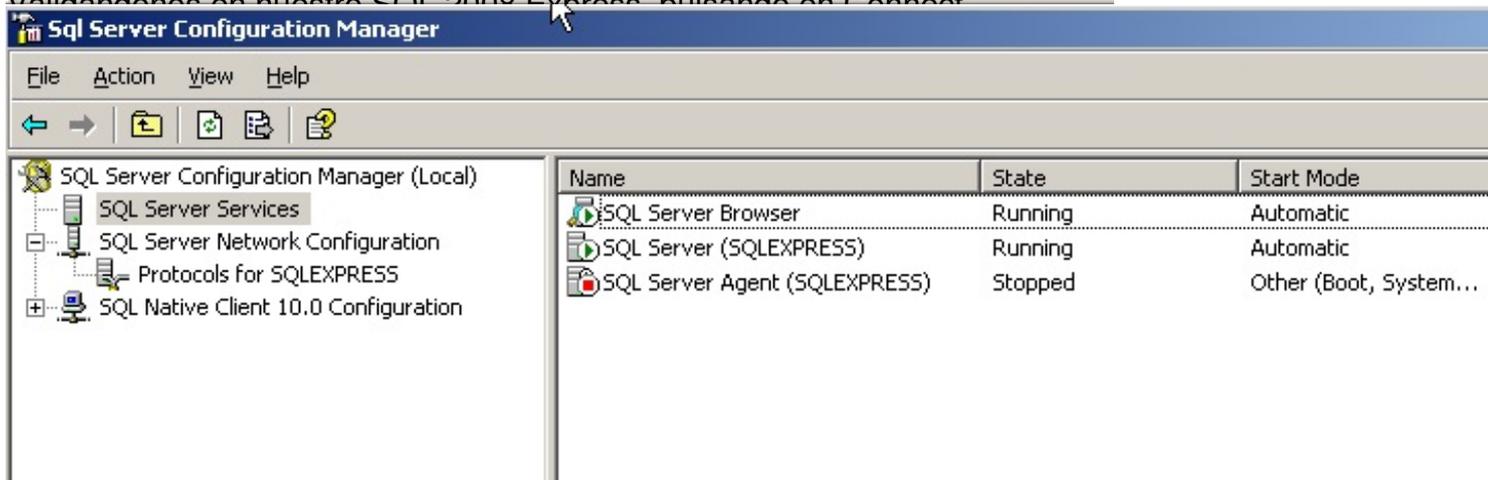
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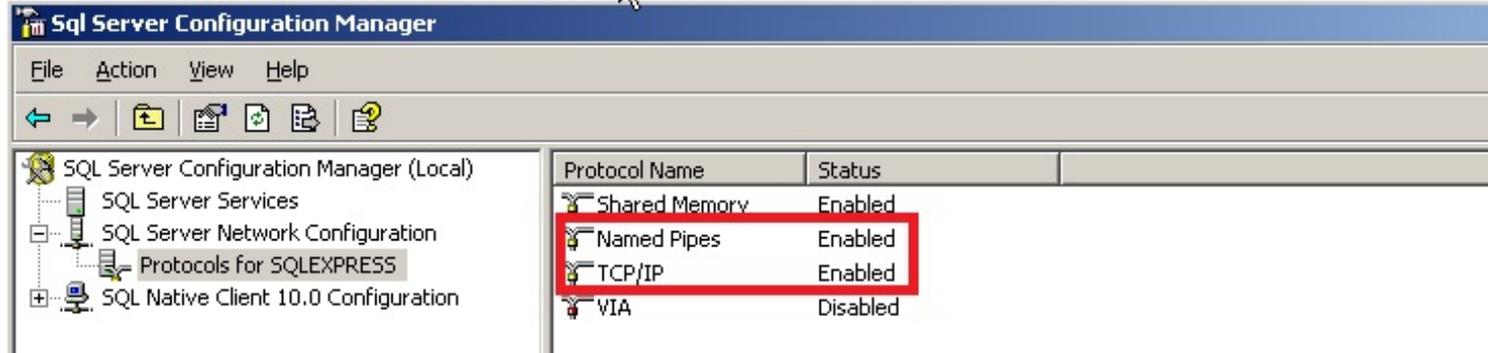
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Validándose en nuestro SQL 2008 Express, pulsando en Connect



Pulsando en SQL Server Services, y verificando el arranque de los servicios

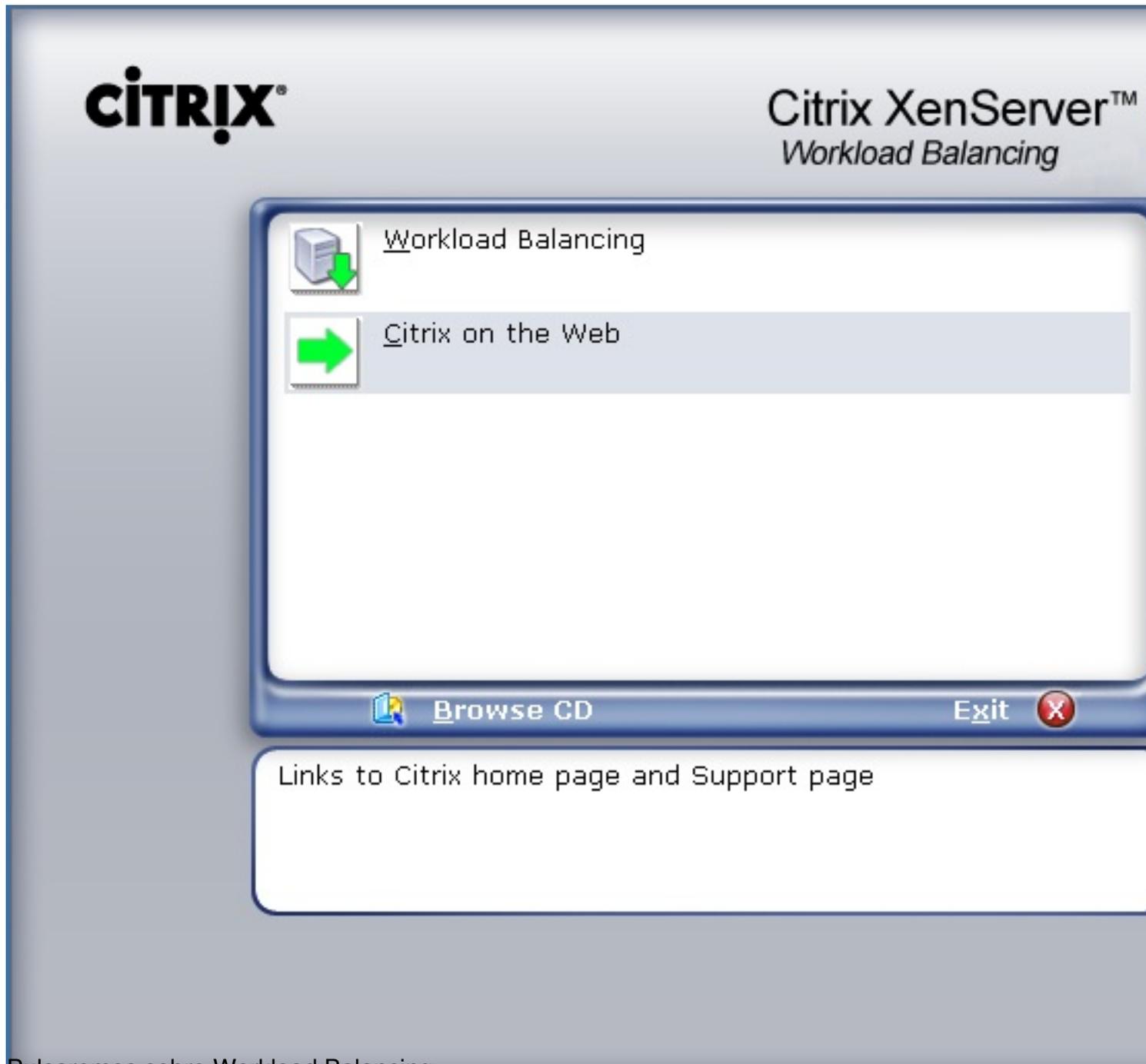


Abriendo el protocolo TCP/IP, entrando a SQL Server Network Configuration, y verificando que el protocolo TCP/IP esté habilitado

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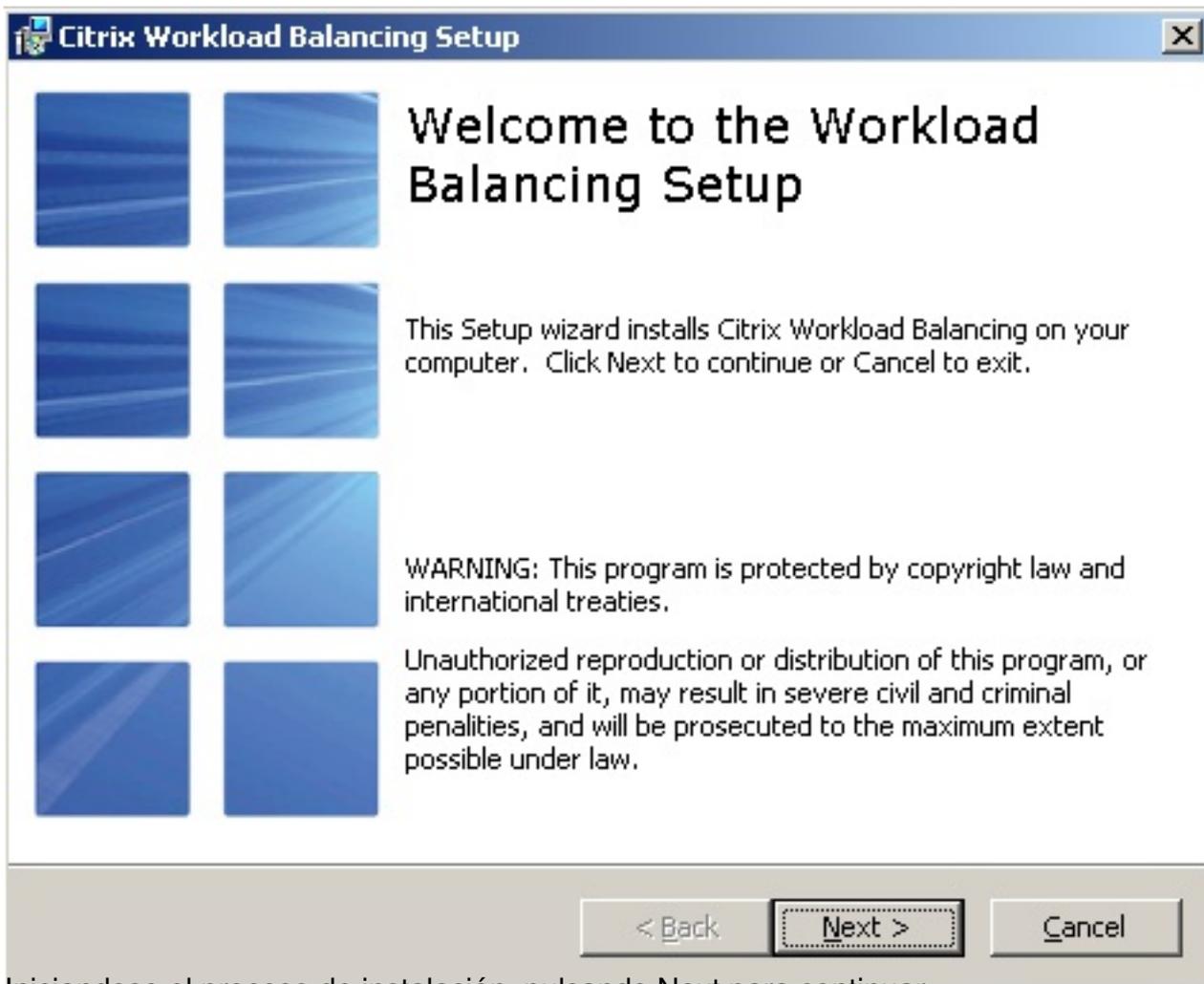


Pulsaremos sobre Workload Balancing,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

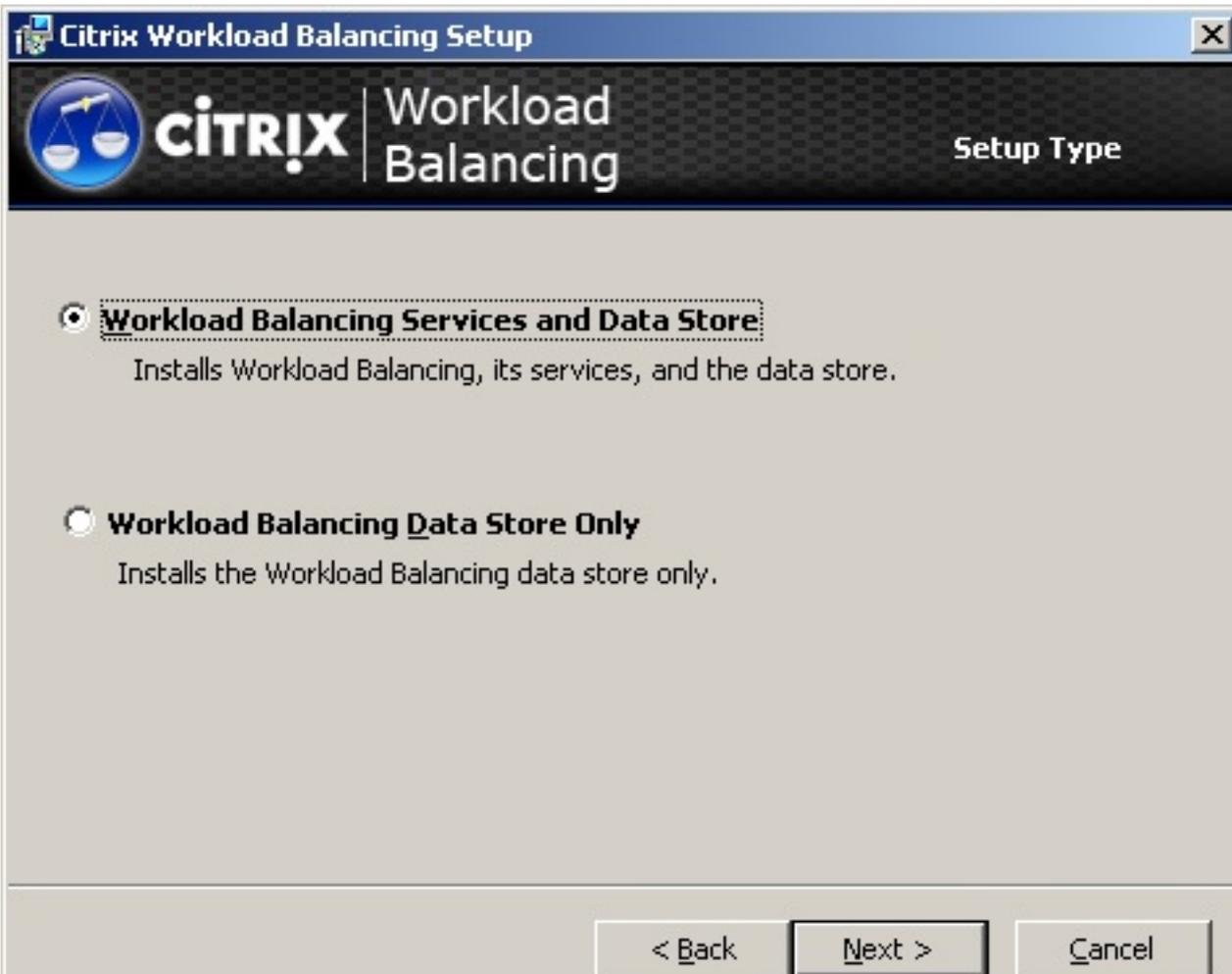


Iniciandose el proceso de instalación, pulsando Next para continuar,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

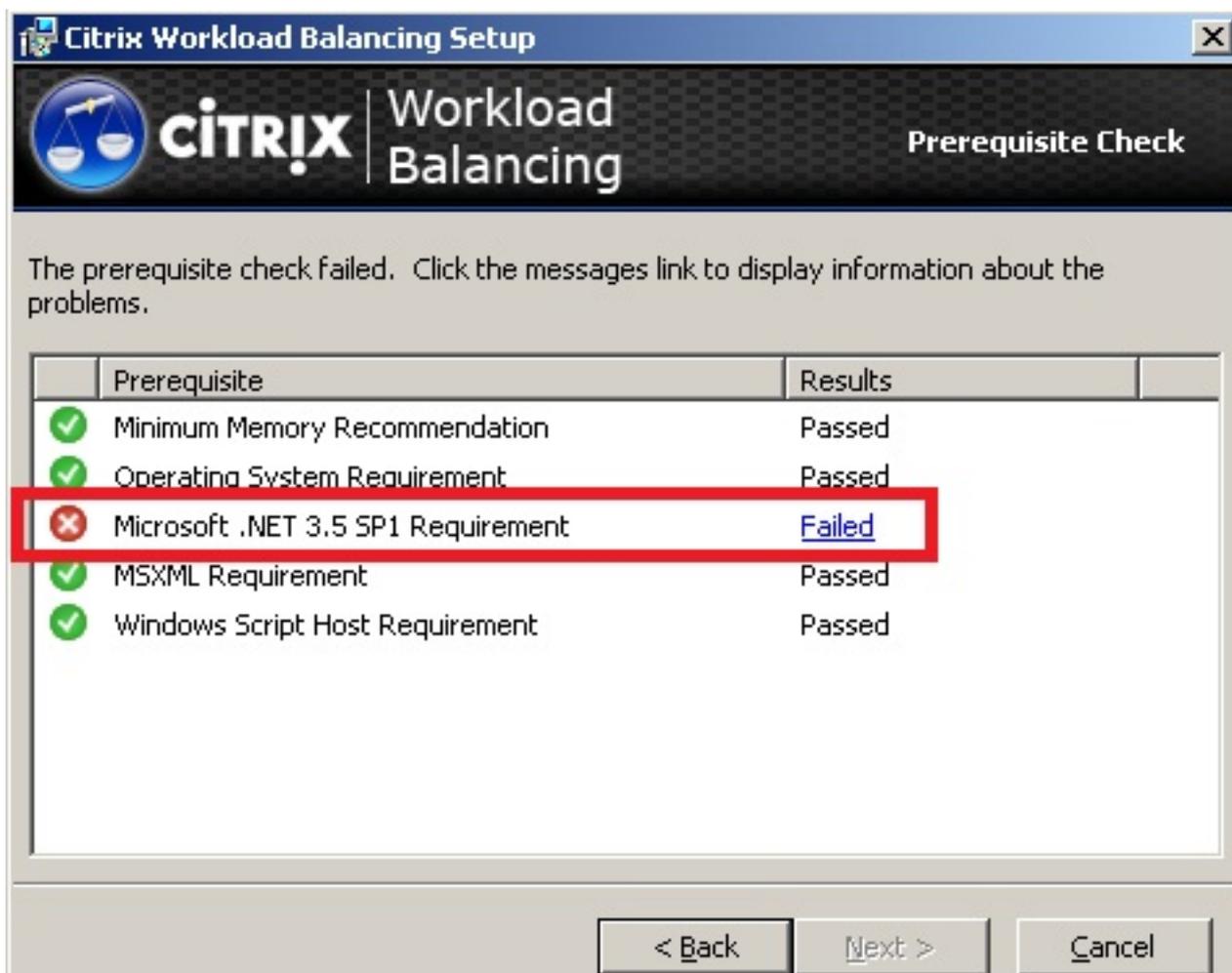


Selec ionamos la opci3n de "Workload Balancing Services and Data Store", pulsando Next

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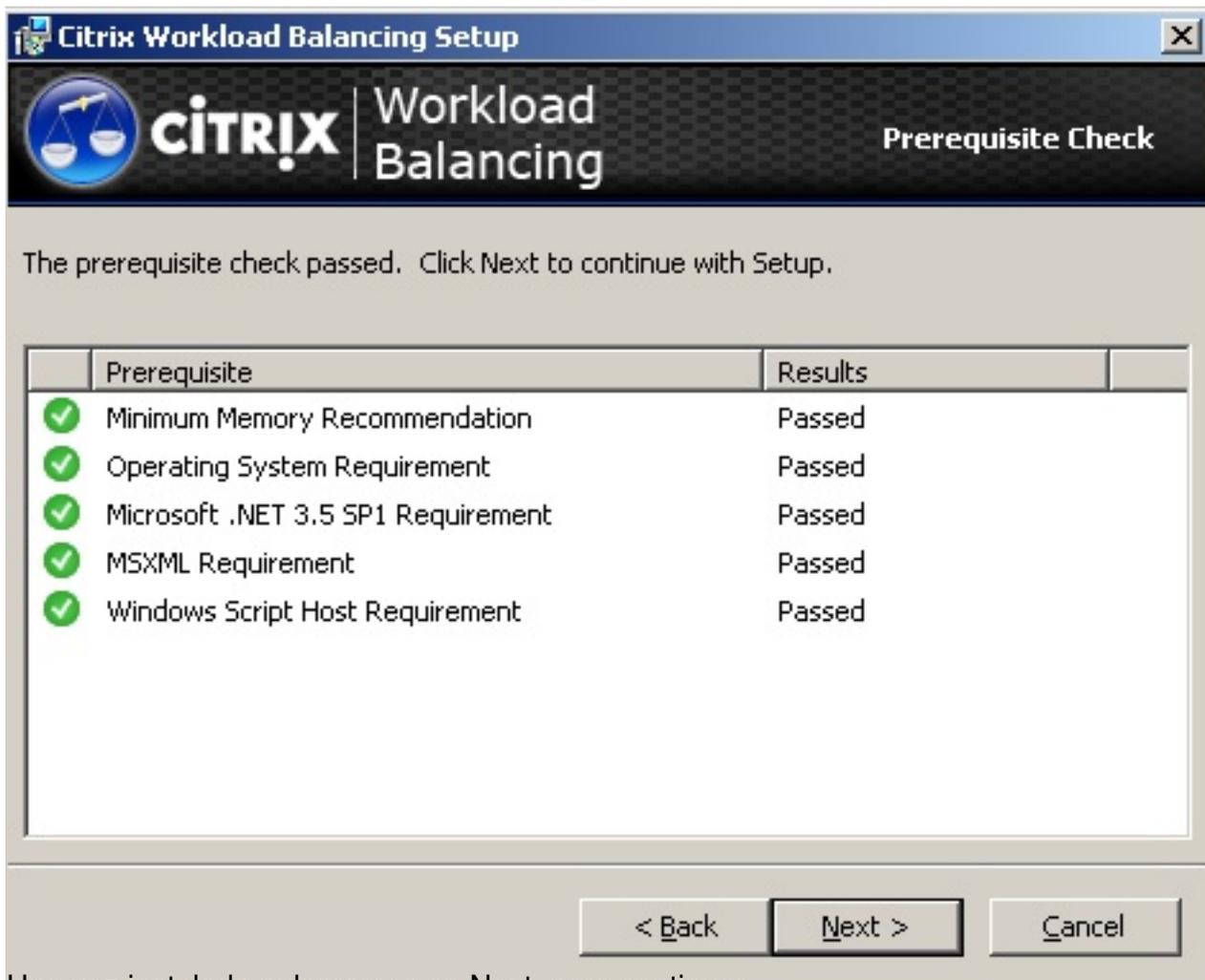


Como la instalación no hemos instalado .NET 3.5 SP1, nos lo indicará y no podremos continuar

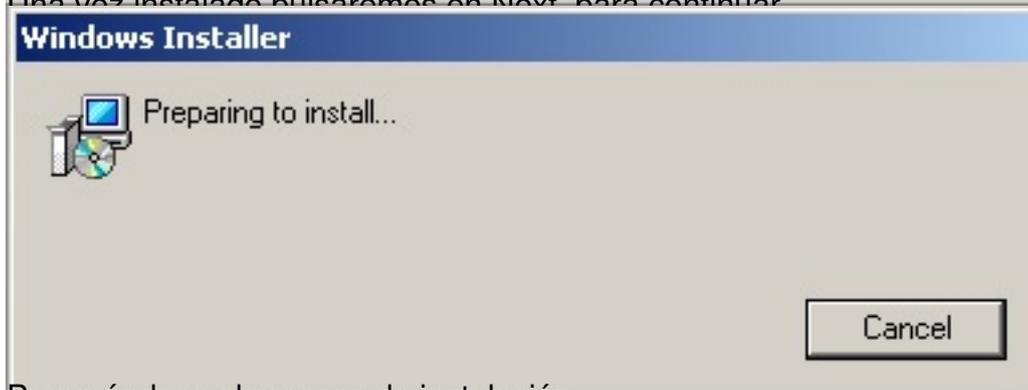
Como Instalar y Configurar WLB en XenServer 5.6

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Una vez instalado pulsar en Next para continuar.

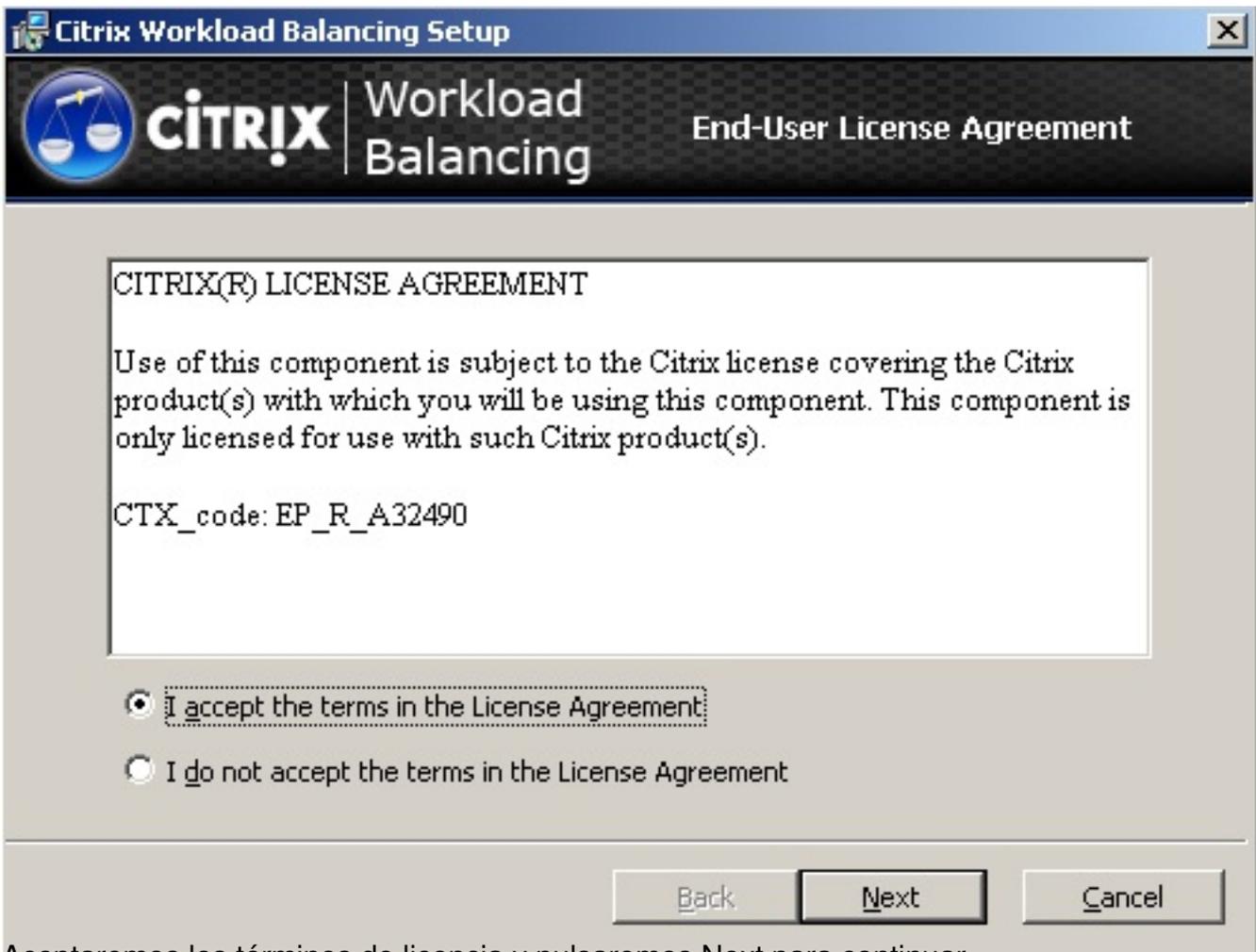


Preparándose el proceso de instalación,

Como Instalar y Configurar WLB en XenServer 5.6

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Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

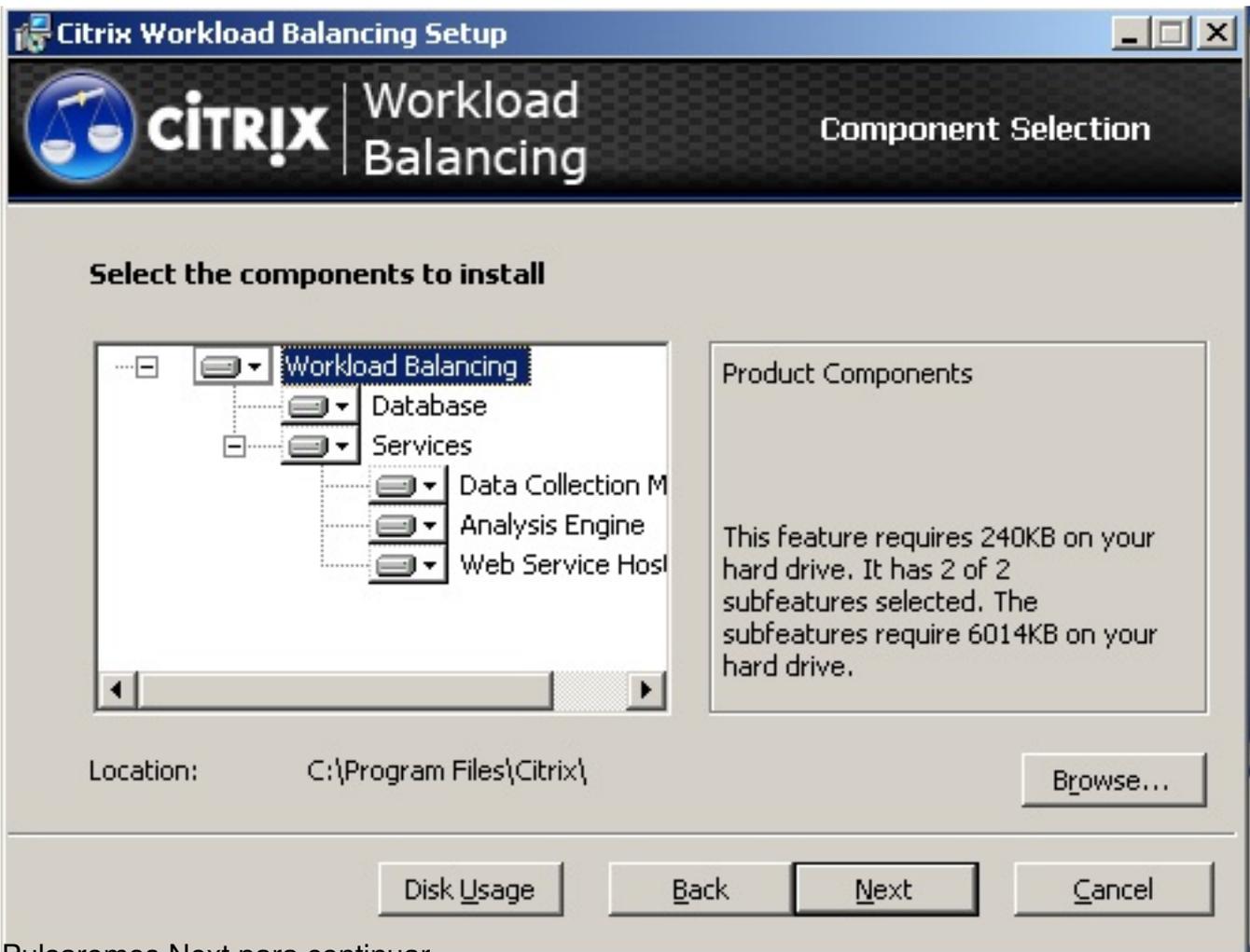


Aceptaremos los términos de licencia y pulsaremos Next para continuar,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

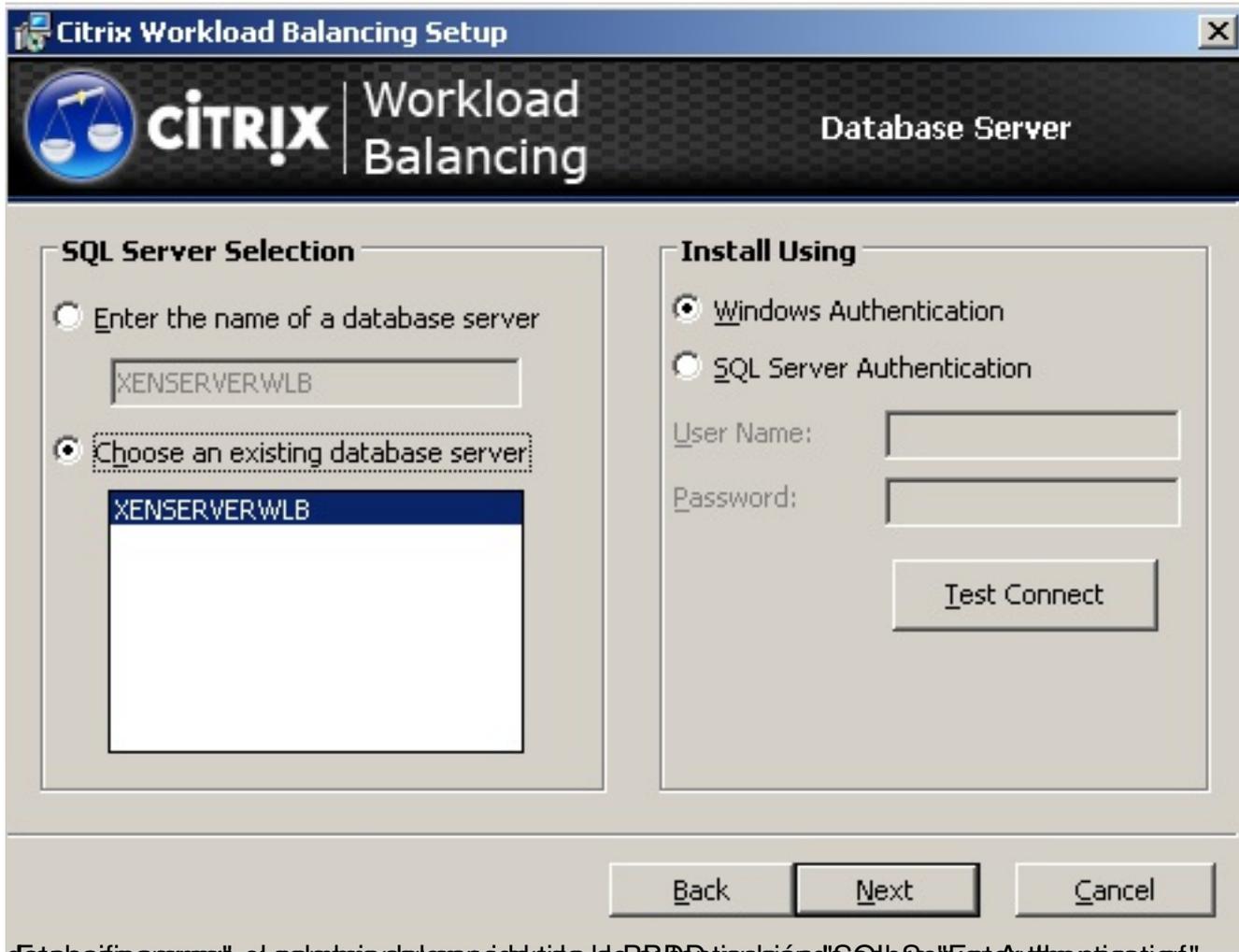


Pulsaremos Next para continuar,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46



The screenshot shows the 'Citrix Workload Balancing Setup' window, specifically the 'Database Server' configuration screen. The window title bar includes the Citrix logo and the text 'Citrix Workload Balancing Setup'. The main header area features the Citrix logo, the text 'Workload Balancing', and 'Database Server'. The configuration is divided into two main sections: 'SQL Server Selection' and 'Install Using'. In the 'SQL Server Selection' section, there are two radio buttons. The first is 'Enter the name of a database server', which is currently unselected. Below it is a text input field containing 'XENSER.VE.WLB'. The second radio button is 'Choose an existing database server', which is selected. Below it is a list box containing 'XENSER.VE.WLB'. In the 'Install Using' section, there are two radio buttons. The first is 'Windows Authentication', which is selected. The second is 'SQL Server Authentication', which is unselected. Below these are two text input fields: 'User Name:' and 'Password:'. A 'Test Connect' button is located below the password field. At the bottom of the window, there are three buttons: 'Back', 'Next', and 'Cancel'.

SQL Server Selection

Enter the name of a database server

XENSER.VE.WLB

Choose an existing database server

XENSER.VE.WLB

Install Using

Windows Authentication

SQL Server Authentication

User Name:

Password:

Test Connect

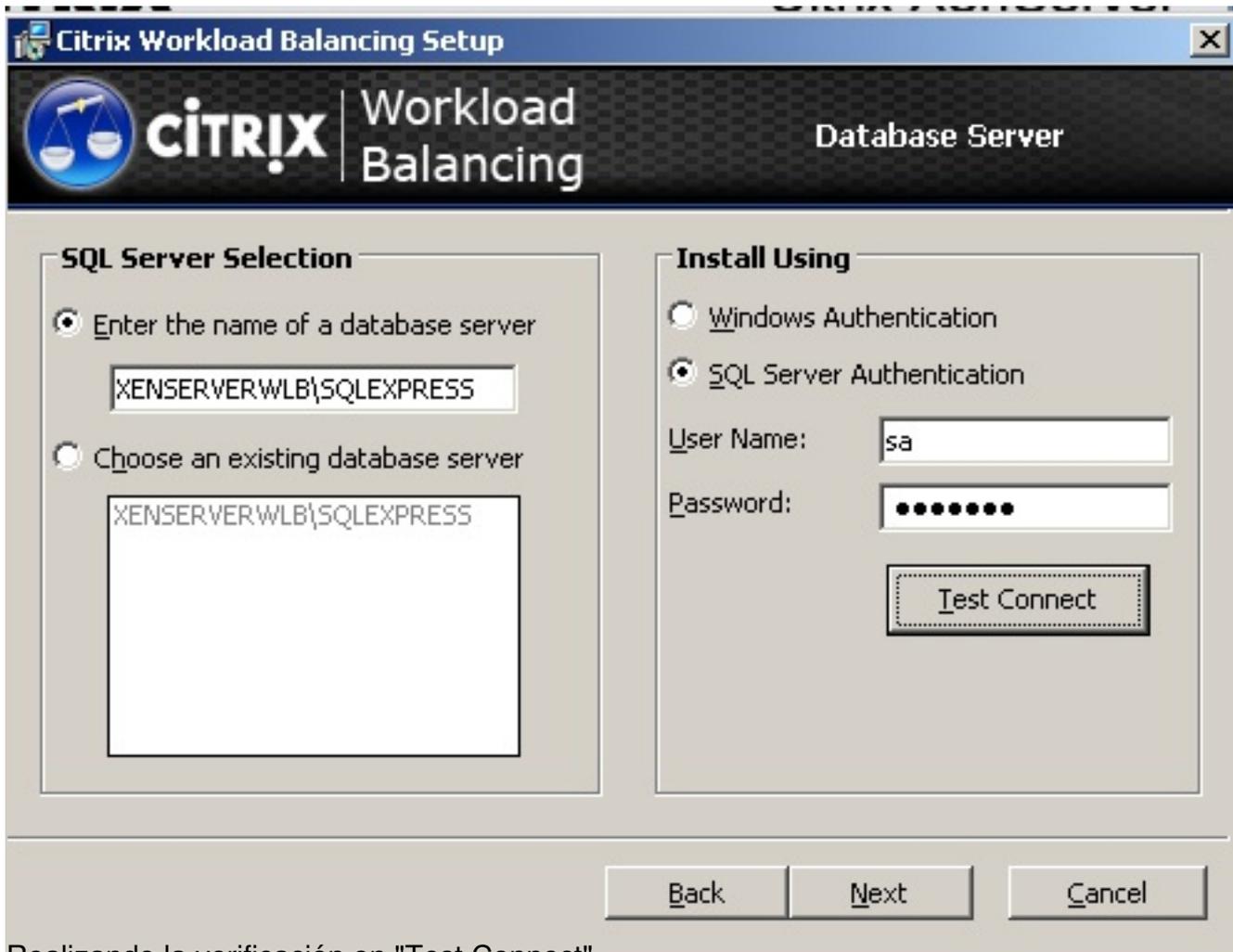
Back Next Cancel

Especificar el nombre de servidor de base de datos y seleccionar el tipo de BBDD, tipo de SQL Server y el tipo de autenticación.

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46



The screenshot shows the 'Citrix Workload Balancing Setup' window, specifically the 'Database Server' configuration step. The window has a title bar with the Citrix logo and the text 'Citrix Workload Balancing Setup'. Below the title bar is a header area with the Citrix logo and the text 'Workload Balancing Database Server'. The main content area is divided into two sections: 'SQL Server Selection' and 'Install Using'. In the 'SQL Server Selection' section, there are two radio buttons. The first is selected and labeled 'Enter the name of a database server', with a text box containing 'XENSERVERWLB\SQLEXPRESS'. The second is labeled 'Choose an existing database server' and has a list box containing 'XENSERVERWLB\SQLEXPRESS'. In the 'Install Using' section, there are two radio buttons. The first is labeled 'Windows Authentication' and is unselected. The second is labeled 'SQL Server Authentication' and is selected. Below this, there are text boxes for 'User Name:' containing 'sa' and 'Password:' containing a masked password. A 'Test Connect' button is located below the password field. At the bottom of the window, there are three buttons: 'Back', 'Next', and 'Cancel'.

SQL Server Selection

- Enter the name of a database server
XENSERVERWLB\SQLEXPRESS
- Choose an existing database server
XENSERVERWLB\SQLEXPRESS

Install Using

- Windows Authentication
- SQL Server Authentication

User Name: sa

Password: ●●●●●●

Test Connect

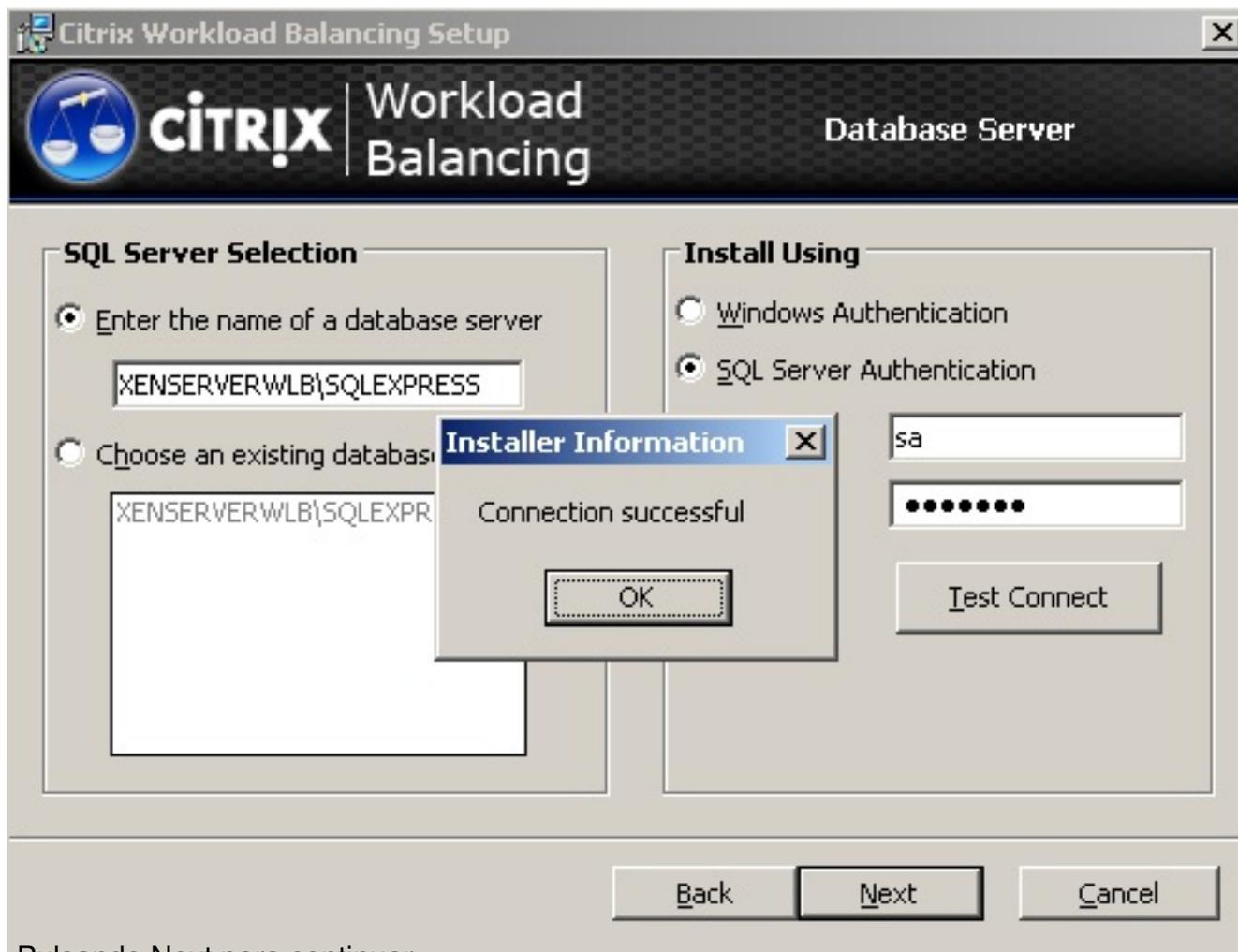
Back Next Cancel

Realizando la verificación en "Test Connect",

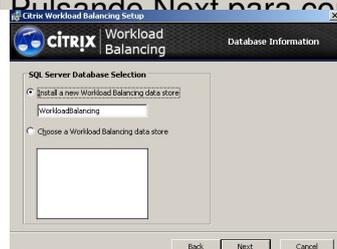
Como Instalar y Configurar WLB en XenServer 5.6

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Pulsando Next para continuar,

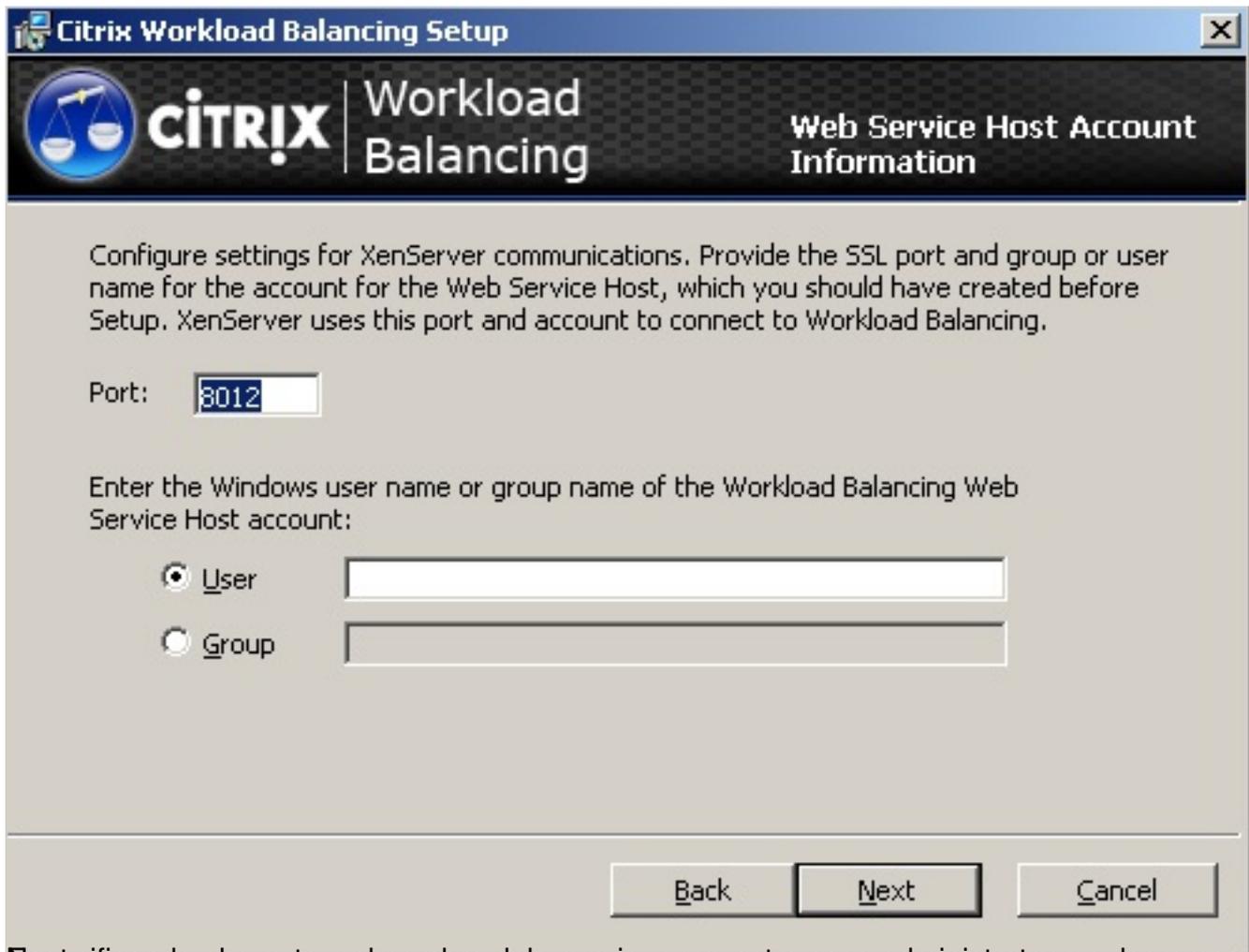


Especificaremos el nombre del servidor de WLB, en nuestro caso xenserverwlb,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46



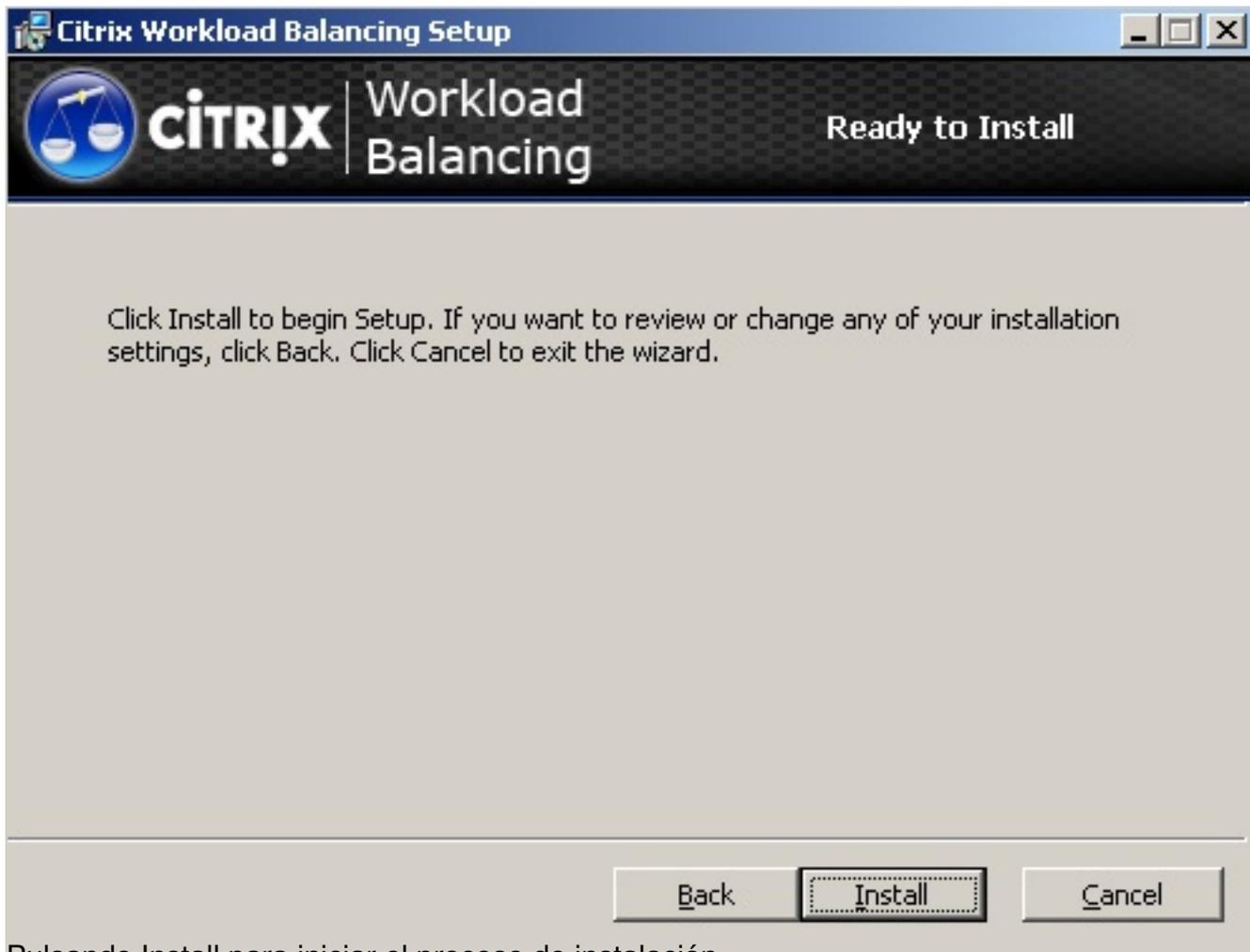
The screenshot shows a Windows dialog box titled "Citrix Workload Balancing Setup". The dialog has a dark header bar with the Citrix logo and the text "Workload Balancing" and "Web Service Host Account Information". The main area contains the following text: "Configure settings for XenServer communications. Provide the SSL port and group or user name for the account for the Web Service Host, which you should have created before Setup. XenServer uses this port and account to connect to Workload Balancing." Below this text, there is a "Port:" label followed by a text box containing "8012". Underneath, it says "Enter the Windows user name or group name of the Workload Balancing Web Service Host account:". There are two radio button options: "User" (which is selected) and "Group". Each option has a corresponding empty text box for input. At the bottom of the dialog, there are three buttons: "Back", "Next", and "Cancel".

Especificando el puerto y el nombre del usuario, en nuestro caso administrator y pulsaremos

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

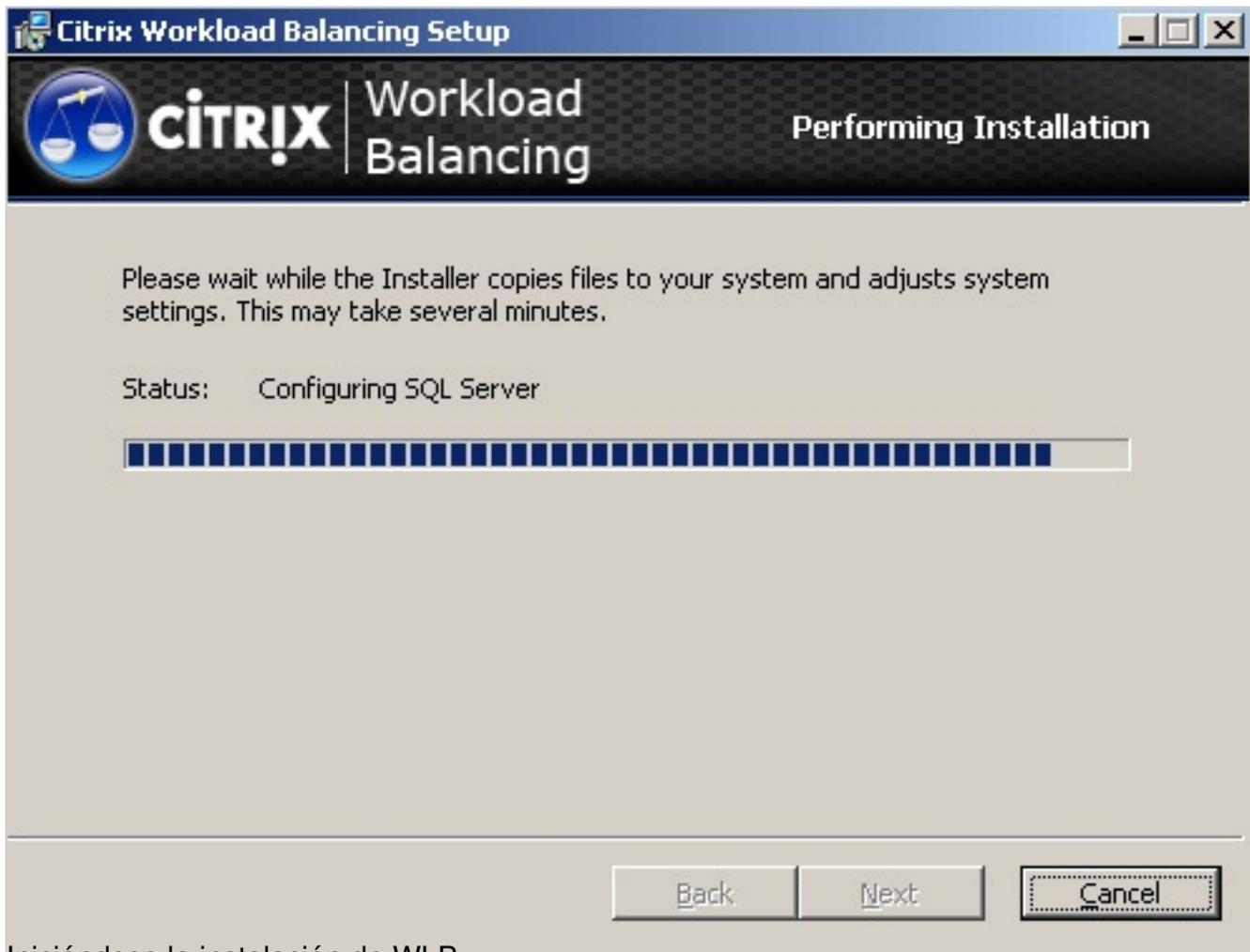
Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46



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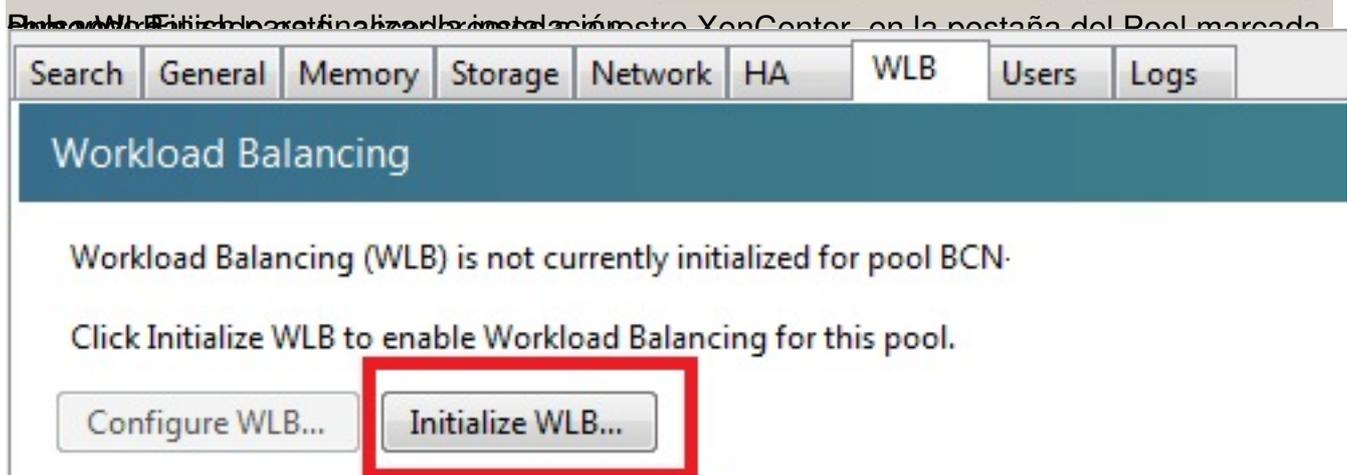
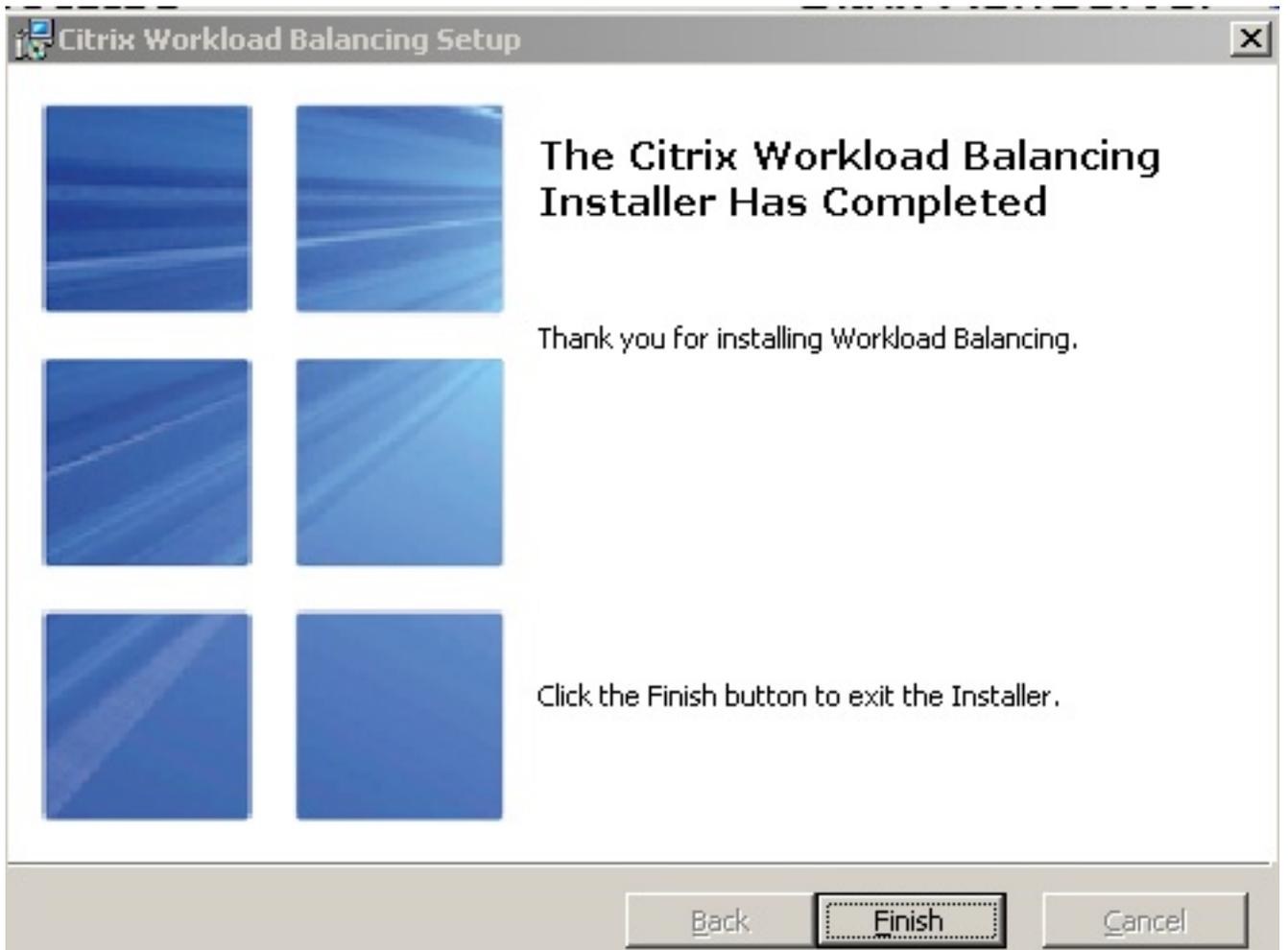


Iniciándose la instalación de WLB,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

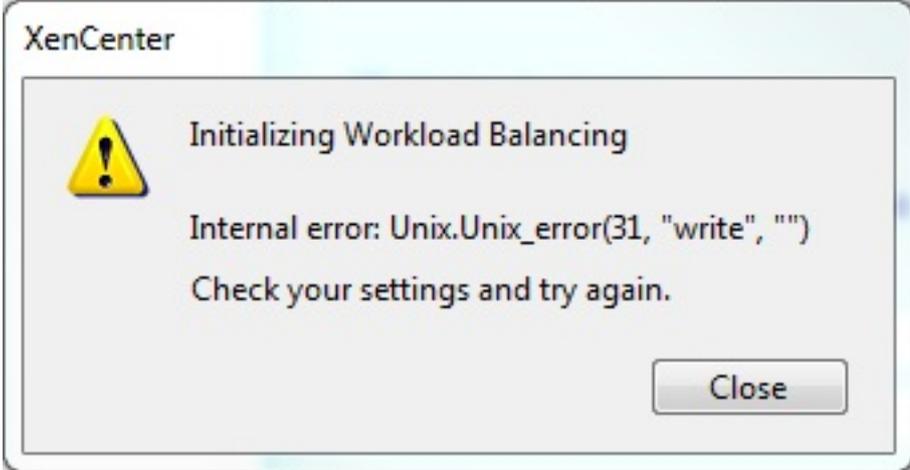


Pulsando posteriormente en "Inicialize WLB" para realizar la correspondiente configuración,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46



Workload Balancing

[Configure WLB...](#) [Disable WLB...](#)

Configuration

Workload Balancing server name: 172.16.50.204:8012
Pool optimization mode: Maximize Performance
Automated optimizations: No
Power management: No

Optimization Recommendations

VM/Host	Operation	Reason
No recommended optimizations at this time.		

[Apply Recommendations](#)

Podemos encontrar esta opción en la configuración de WLB. Si no se encuentra, puede que el WLB no esté instalado o que no esté configurado correctamente.

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

Workload Balancing Configuration for BCN-DEMOCENTER

Optimization Mode
Adjust the WLB optimization m...

Automation/Power Management
Configure WLB Automation an...

Critical Thresholds
Adjust Critical thresholds for W...

Metric Weighting
Adjust the weighting of WLB m...

Excluded Hosts
Excluded Hosts

Advanced

Optimization Mode

WLB provides two different modes of optimization, Maximize Performance or Maximize Density policies can be applied permanently as a fixed setting, or be scheduled to change at various times.

Fixed

- Maximize Performance (Default)
Guarantee performance metrics for placed VMs
- Maximize Density
Place the largest possible number of VMs on each host

Scheduled

Specify the times when you want Workload Balancing to change the Optimization Mode automatically.

Mode	Day	Time	Enabled
------	-----	------	---------

Add New... Edit...

OK

En modo de optimización podremos realizar la configuración de esta,

Como Instalar y Configurar WLB en XenServer 5.6

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Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

The screenshot shows a configuration window titled "Workload Balancing Configuration for BCN-DEMOCENTER". The left sidebar contains several menu items: "Optimization Mode", "Automation/Power Management" (which is selected), "Critical Thresholds", "Metric Weighting", "Excluded Hosts", and "Advanced". The main content area is titled "Automation/Power Management" and contains the following text: "Select below which WLB features you would like to automate and which servers you would like to consider in the power management recommendations." Below this text are two sections: "Automation" and "Power Management". The "Automation" section has two checkboxes: "Automatically apply Optimization recommendations" and "Automatically apply Power Management recommendations", both of which are unchecked. The "Power Management" section has a heading "Servers considered for power management recommendations:" followed by a table with the following data:

	Host Server	PowerOn Mode	Last PowerOn Success
<input type="checkbox"/>	xenserver-01 (Pool master)	Disabled	No
<input type="checkbox"/>	xenserver-02	Disabled	No

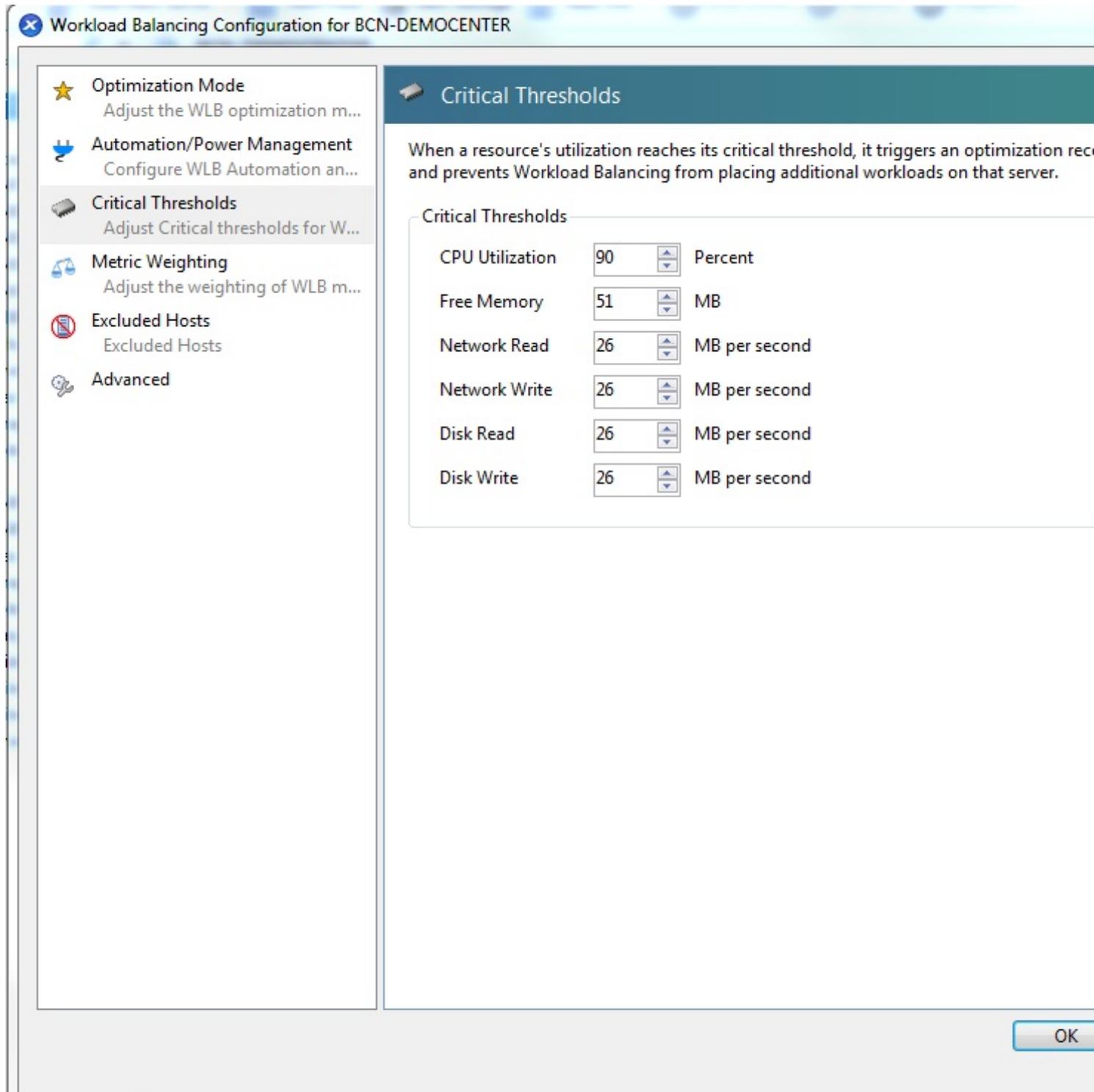
An "OK" button is located at the bottom right of the window.

Si deseas seleccionar la optimización automática, debes seleccionar el check box, en caso contrario

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46



The screenshot shows the 'Workload Balancing Configuration for BCN-DEMOCENTER' window. On the left is a navigation pane with the following items:

- ★ Optimization Mode (Adjust the WLB optimization m...)
- Automation/Power Management (Configure WLB Automation an...)
- Critical Thresholds** (Adjust Critical thresholds for W...)
- Metric Weighting (Adjust the weighting of WLB m...)
- Excluded Hosts (Excluded Hosts)
- Advanced

The main area is titled 'Critical Thresholds' and contains the following text: 'When a resource's utilization reaches its critical threshold, it triggers an optimization rec... and prevents Workload Balancing from placing additional workloads on that server.'

Below this text is a table of critical thresholds:

Critical Thresholds		
CPU Utilization	90	Percent
Free Memory	51	MB
Network Read	26	MB per second
Network Write	26	MB per second
Disk Read	26	MB per second
Disk Write	26	MB per second

An 'OK' button is visible in the bottom right corner of the window.

Podremos especificar los porcentajes y ratios de CPU, Memoria Libre...etc,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

The screenshot shows the 'Workload Balancing Configuration for BCN-DEMOCENTER' window. On the left is a navigation pane with the following items:

- Optimization Mode (Adjust the WLB optimization m...)
- Automation/Power Management (Configure WLB Automation an...)
- Critical Thresholds (Adjust Critical thresholds for W...)
- Metric Weighting (Adjust the weighting of WLB m...)**
- Excluded Hosts (Excluded Hosts)
- Advanced

The main area is titled 'Metric Weighting' and contains the following text: 'Adjust the significance Workload Balancing gives to a resource's utilization when determining if it can move workloads to that server or should assign a VM to a different server.'

Below this text is a table for configuring metric weights:

Metric Weighting	Less Important	More Important
CPU Utilization	<input type="text"/>	<input type="text"/>
Free Memory	<input type="text"/>	<input type="text"/>
Network Read	<input type="text"/>	<input type="text"/>
Network Write	<input type="text"/>	<input type="text"/>
Disk Read	<input type="text"/>	<input type="text"/>
Disk Write	<input type="text"/>	<input type="text"/>

An 'OK' button is located at the bottom right of the window.

Los ratios a nivel de importancia, para la ejecución del WLB,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

Workload Balancing Configuration for BCN-DEMOCENTER

- ★ Optimization Mode
Adjust the WLB optimization m...
- Automation/Power Management
Configure WLB Automation an...
- Critical Thresholds
Adjust Critical thresholds for W...
- Metric Weighting
Adjust the weighting of WLB m...
- Excluded Hosts**
Excluded Hosts
- Advanced

Excluded Hosts

WLB can exclude servers from its placement and optimization recommendations. Specify below to enable this feature.

	Host Server
<input type="checkbox"/>	xenserver-01
<input type="checkbox"/>	xenserver-02

OK

Pudiendo excluir los Host a los que no deseamos que se aplique,

Como Instalar y Configurar WLB en XenServer 5.6

Escrito por xavisan

Jueves, 03 de Junio de 2010 08:43 - Actualizado Jueves, 03 de Junio de 2010 09:46

The screenshot shows a configuration window titled "Workload Balancing Configuration for BCN-DEMOCENTER". On the left is a sidebar with several categories: Optimization Mode, Automation/Power Management, Critical Thresholds, Metric Weighting, Excluded Hosts, and Advanced (which is selected). The main area is titled "Advanced" and contains the following settings:

- Historical Data:** A text box containing "Workload Balancing adjusts grooming history automatically for SQL Server Express data".
- VM Recommendation Interval:** A section with three sub-parameters:
 - Specify the number of minutes to wait after a VM has moved before including it in optimization recommendations. Value: 30 Minutes (Default is 30).
 - Specify how many times an optimization recommendation must be made before it is applied. Value: 3 Recommendations (Default is 3).
 - Specify the minimum optimization recommendation severity level that must be reached before optimization is automatically applied. Value: High (Default is High).
 - Specify how aggressively to apply automated optimization recommendations. Value: Low (Default is Low).
- Report Subscriptions:** A section with one parameter:
 - Specify the address of the SMTP server to use for report delivery. Value: localhost.

An "OK" button is visible in the bottom right corner of the dialog.

As configuras los distintos niveles de ajuste de WLB en XenServer 5.6 y tipo, finalizando de esta forma