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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		Set time zone	Time Zone:	(GMT+01:00) Brussels, Copenhagen, Madrid, Paris
	-	Configure networking	Local Area Connection:	192.168.1.90, IPv6 enabled
		Provide computer name and domain	Full Computer Name: Workgroup:	WIN2008SRV-CTXDOM WORKGROUP
2)	Up	date This Server		Updating your Windows server
	82	Enable automatic updating and feedback	Updates: Feedback:	Not configured Windows Error Reporting off Not participating in Customer Experience Improvement Program
	2	Download and install updates	Checked for Updates: Installed Updates:	Never Never
3)	Cu	stomize This Server		Customizing your server
		Add roles	Roles:	None
		Add features	Features:	None
	2	Enable Remote Desktop	Remote Desktop:	Disabled

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Add Roles Wizard		×
Before You Begin		
Before You Begin Server Roles Confirmation Progress Results	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. • Skip this page by default	
	< Previous Next > Install Cancel	

Pulsaremos Next para continuar con el proceso.

Previous	Next >	Install	Cancel

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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 Pederation Services Active Directory Federation Services Active Directory Lightweight Directory Services Active Directory Rights Management Services Application Server DHCP Server DHCP Server Fax Server File Services Network Policy and Access Services Print Services UDDI 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	

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oles:		Description:
Active Directory Certificate Serv Active Directory Domain Service Active Directory Federation Service Active Directory Federation Service Active Directory Lightweight Dire Active Directory Rights Manager Application Server DHCP Server DHCP Server DNS Server Fax Server Fax Server File Services Network Policy and Access Service Print Services UDDI Services UDDI Services Web Server (IIS)	vices es ectory Services ment Services	Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.
_ Windows Deployment Services		
Windows Deployment Services	< Previous	Next > Install Cancel
_] Windows Deployment Services ore about server roles forminteremblicites to 2017 In John from 120 Roles Wizard	< Previous	Next > Install Cancel
Windows Deployment Services	< Previous	Next > Install Cancel INS)? Install Market in the dependency on HTTP. All the features

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oles:	Description:
 Active Directory Certificate Services Active Directory Domain Services Active Directory Federation Services Active Directory Lightweight Directory Service Active Directory Rights Management Services Application Server DHCP Server DNS Server Fax Server File Services Network Policy and Access Services Print Services UDDI Services Web Server (IIS) 	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.
Windows Deployment Services	
Iore about server roles	evious Next > Install Cancel
Nindows Deployment Services	evious Next > Install Cancel
Vindows Deployment Services	evious Next > Install Cancel
Vindows Deployment Services Iore about server roles Presente opción approportó la signionto diate Roles Wizard Add features required for App You cannot install Application Server unless th Features:	evious Next > Install Cancel
Vindows Deployment Services Vindows Deployment Services Vere about server roles Proved a paragona de signification distributed distribu	evious Next > Install Cancel Discation Server? Install Cancel Description: 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

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Active Directory Certificate Services Active Directory Domain Services Active Directory Federation Services Active Directory Lightweight Directory Services Active Directory Rights Management Services Active Directory Rights Management Services Active Directory Rights Management Services DHCP Server DHCP Server DNS Server Fax Server File Services Network Policy and Access Services Print Services UDDI 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	

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Add Roles Wizard	×
Terminal Ser	rvices
Before You Begin Server Roles Terminal Services Role Services Application Server Role Services Web Server (IIS) Role Services Confirmation Progress Results	 Introduction to Terminal Services Terminal Services provides technologies that enable users to access Windows-based programs that are installed on a terminal server, or to access the full Windows desktop. With Terminal Services, users can access a terminal server from within your corporate network or from the Internet. Thigg to Note To allow remote connections for administrative purposes only, you do not have to install Terminal Service. Instead, ensure that the Remote Desktop setting is enabled. Additional Information Overview of Terminal Services
Pulsaremos Next pa	ra continuar,

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Add Roles Wizard		×
Select Role Set	rvices	
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 More about role services	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.
Seleccionaremos "Terr	ninal Server" y pulsaremos Next para co	Next > Install Cancel

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Add Roles Wizard	×
Specify Auther	ntication 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 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 to this 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 Cho not require Network Level Authentication Windows that are running any version of the Remote Desktop Connection client can connect to this terminal server. Image: The provided server is server. Image: The prov
	More about Network Level Authentication and supported clients
Scotarius contariumando amou	Previous Next > Install Cancel C

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Add Roles Wizard	x x
Specify Licens	sing Mode
Before You Begin Server Roles Terminal Services Role Services Application Compatibility Authentication Method	The <u>Terminal Services licensing mode</u> 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. Specify the Terminal Services licensing mode that you want this terminal server to use. Configure later Remind me to use the Terminal Services Configuration tool or Group Policy to configure the licensing mode within the next 120 days.
Licensing Mode User Groups Application Server Role Services Web Server (IIS) Role Services Confirmation Progress Results	 Per Device A TS Per Device CAL must be available for each device that connects to this terminal server. Per User A TS Per User CAL must be available for each user that connects to this terminal server. The licensing mode that you specify must match the TS CALs that are available from your Terminal Services license server.
Seleccionaremos el tip	<pre></pre>

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Add Roles Wizard		×
Select User Group	os Allowed Access To This Terminal Server	
Before You Begin Server Roles Terminal Services	Add the users or user groups that can connect to this terminal server. These users and user groups will be added to the local Remote Desktop Users group. The Administrators group is added by default and cannot be removed.	
Role Services	Users or User Groups:	
Application Compatibility Authentication Method Licensing Mode User Groups	Administrators Add Remove	
Application Server		
Role Services		
Web Server (IIS)		
Role Services		
Confirmation		
Progress		
Results		
	More about the Remote Desktop Users group	
Añadiromos "Domain Llev	< Previous Next > Install Cancel Cancel	
Select Users	<u>?</u> × /,	
Select this object type:		
Users or Built-in security principals	Object Types	
From this location:		
WIN2008SRV-CTXD	Locations	
Enter the object names to select (examples		
Domain users	Check Names	
Advanced	OK Cancel	

Pulsaremos Ok, y a contiación Next para continuar,²⁰

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Add Roles Wizard	×
Application Se	rver
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	 Introduction to Application Server Application Server hosts and centrally manages applications that interoperate with systems on the network such as heterogeneous databases, identity management services, security systems, and Web applications and services. Application Server also supports developing custom business applications through integrated services services applications through integrated services out as the .NET Framework 3.0, COM+, Web Server (IIS) Support, and Message Queuing. Installing Application Server installs the .NET Framework 3.0 by default. Installing Application Server installs the .NET Framework 3.0 by default. Installing Application Server installs the .NET Framework 3.0 by default. Installing Application Server (IIS) Support if you plan to host distributed applications built using ASP.NET or Windows Communication Foundation (WCF).
.	< Previous Next > Install Cancel

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

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rver Roles	Select the role services to install for Applica Role services:	ation Server:	Description:
Terminal Services Role Services Application Compatibility Authentication Method Licensing Mode User Groups Application Server Role Services Web Server (IIS) Role Services Confirmation Progress Results	Application Server Foundation Web Server (IIS) Support COM+ Network Access TCP Port Sharing Windows Process Activation Servic HTTP Activation Message Queuing Activation TCP Activation Named Pipes Activation Istributed Transactions Outgoing Remote Transactions WS-Atomic Transactions	e Support	Application Server Foundation provides technologies for deploying and managing .NET Framework 3.0 applications. These technologies include Windows Presentation Foundation (WPF), Windows Communication Foundation (WCF), and Windows Workflow Foundation (WF). Application Server Foundation provides the means for delivering managed-code applications with seamless user experiences, secure communication, and the ability to model a range of business processes
	More about role services		
woridtar anodate	manina and a tar a land tar di a la	<pre></pre>	kt > Install Cancel
Add role se You cannot instal	ervices and features require	ed for Web Se uired role services ar	erver (IIS) Support? nd features are also installed.
 Role Services: Application Ser Windows F Web Server (III Web Server Manageme .NET Framewo WCF Activity 	Server s Process Activation Service Support (IIS) ver ment Tools	Application Se management a performance of applications s Enterprise Ser 3.0.	erver provides central and hosting of high- distributed business uch as those built with rvices and .NET Framework

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Select Role 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	Services 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 Hessage Queuing Activation COP Activation Distributed Transactions Distributed Transactions UNS-Atomic Transactions WS-Atomic Transactions WS-Atomic Transactions	Description: <u>COM+ Network Access</u> enables Application Server to host and allow remote invocation of applications built with COM+ or Enterprise Services components.
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Add Roles Wizard	
Web Server (IIS)
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	 Introduction to Web Server (IIS) Web servers are computers that have specific software that allows them to accept requests from client computers and return responses to those requests. Web servers let you share information over the Internet, or through intranets and extranets. The Web Server role includes Internet Information Services (IIS) 7.0, a unified Web platform that integrates IIS 7.0, ASP.NET, and Windows Communication Foundation. IIS 7.0 also features enhanced security, simplified diagnostics, and delegated administration. Things to Note Using Windows System Resource Manager (WSRM) can help ensure equitable servicing of Web server traffic especially when there are multiple roles on this computer. The default installation for the Web Server (IIS) role includes the installation of role services that enable you to serve static content, make minor customizations (such as default documents and HTTP errors), monitor and log server activity, and configure static content compression. Additional Information Overview of Web Server (IIS) Overview of Web Server (IIS) Overview of Web Server (IIS) Overview of WSRM Overview of WSRM
Relsapensols Nakindaw	Sia@008. el proceso de configuración de los servicios necesarios para

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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 @ Web Server (IIS) @ Web Server (IIS) @ Owel Service (IIS) Progress Results @ This output the ease of the security in the service secure the secure secure the secure	Confirm Install	lation Selections	<u>د</u>
Aole Services Application Compatibility Authentication Method Licensing Mode User Groups Application Server Role Services Web Server (IIS) Role Services Confirmation Progress Results Web Server (IIS) Results Results Web Server (IIS) Role Services Progress Results Progress Results	Before You Begin Server Roles Terminal Services	To install the following roles, role services, or features, click Install.	
Authentication Method Licensing Mode User Groups Application Server Role Services Web Server (IIS) Role Services Confirmation Progress Results R	Role Services	This server must be restarted after the installation completes.	
Web Server (IIS) Role Services Confirmation Progress Results Web Server (IIS) Windows Process Activation Service Support HTTP Activation Web Server (IIS) Web Server (IIS) Progress Results Web Server (IIS) Image: Server (IIS	Authentication Method Licensing Mode User Groups Application Server Role Services	Terminal Server A You may need to reinstall existing applications. Image: Terminal Server A You may need to reinstall existing applications. Image: Terminal Server Do not require Network Level Authentication Licensing mode: Per user Groups allowed access: Administrators	
	Role Services Confirmation Progress Results	Application Server Application Server Foundation Web Server (IIS) Support COM+ Network Access Windows Process Activation Service Support HTTP Activation	
Find out more about Windows System Resource Manager (WSRM) and how it can help optimize CPU usage Print, e-mail, or save this information <pre></pre>		💿 Web Server (IIS)	
Print, e-mail, or save this information < Previous Next > Install Cancel		(i) Find out more about Windows System Resource Manager (WSRM) and how it can help optimize CPU usage	•
< Previous Next > Install Cancel		Print, e-mail, or save this information	
		< Previous Next > Install Cancel	1

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Before You Begin	The following roles, role services, or features are being installed:
Jei vei Rules	Terminal Services
Dele Services	Application Server
Application Compatibility	Web Server (IIS)
Authoritization Mathed	.NET Framework 3.0 Features
Licensing Mode	Windows Process Activation Service
Licensing mode	
Indication Server	
Polo Services	
Note Server (TTC)	
Polo Services	
Confirmation	
Commadon	
rogress	
Results	
	Initializing installation

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Add Roles Wizard		×
Installation Res	sults	
Before You Begin Server Roles Terminal Services	One or more of the following roles, role services	, or features require you to restart:
Role Services	Terminal Services	🛕 Restart Pending
Application Compatibility	You must restart this server to finish the	e installation process.
Authentication Method	Application Server	🛕 Restart Pending
Licensing Mode	🛕 You must restart this server to finish the	e installation process.
Application Server	Web Server (IIS)	A Restart Pending
Role Services	🔥 You must restart this server to finish the	e installation process.
Web Server (IIS)	.NET Framework 3.0 Features	A Restart Pending
Role Services	You must restart this server to finish the	e installation process.
Confirmation	Windows Process Activation Service	A Pactart Panding
Progress	Vou must restart this service to faich the	
	Print, e-mail, or save the installation report	
Add Roles Wizard	paraciando laciquiante dialog	revious Next > Close Cancel
Do you want	to restart now?	
This server mu process. You c or features un	st be restarted to finish the installat annot add or remove other roles, ro til the server is restarted.	tion ble services,
	Yes	No

Pulsaremos en Yes para reniciar. Iniciándo el proceso de configuración de Updates,



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Resume Configuration Wizard	
Installation Pr	rogress
Resuming Configuration	The following roles, role services, or features are being installed:
Progress	Terminal Services
Results	Application Server
	Web Server (IIS)
	.NET Framework 3.0 Features
	Windows Process Activation Service
Finalizanda con una v	Collecting installation results
Finalizando con una re	elacion de los resultados,

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Installation Res	sults		
esuming Configuration rogress esults	The following roles, role services, or	features were installed successfully: sages below	
	Windows automatic updating Control Panel to check for u	g is not enabled. To install the latest updates, use Windows Update in dates.	-
	Terminal Services	Installation succeeded	
	The following role services were in Terminal Server (i) Manage processor and memo (i) Enable Windows Vista feature	nstalled: ory resources used by this terminal server with WSRM. es on this terminal server with Desktop Experience.	
	Application Server	Installation succeeded	
	The following role services were i Application Server Foundati Web Server (IIS) Support COM+ Network Access Windows Process Activation HTTP Activation	nstalled: on Service Support	
	⊗ Web Server (IIS)	Installation succeeded	
	The following role services were i	nstalled:	-
	Print, e-mail, or save the installation	report	
	Print, e-mail, or save the installation	<u>report</u>	

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Espl/iadossp2@02sta guía os sea de utilidad para poder implementar posteriormente XenApp 5