

Propalms TSE Quickstart Guide

TSE 6.5 on Windows Server 2008 R2

Propalms Ltd.

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Terminal
Services
Edition



Overview

This guide walks you through installing the first server in a Propalms TSE Team. Once complete you will have a Windows 2008 R2 Server running Remote Desktop Services and the following Propalms TSE roles:-

- TSE WEB Server
- TSE Load Balancer
- TSE Application Server
- TSE Database

NB: This guide presumes your server is a member server in a domain.

Software Requirements

- Propalms TSE 6.5
- Windows Server 2008 R2
- Microsoft SQL Server / SQL Express Edition (included in Support folder on TSE 6.5 media)

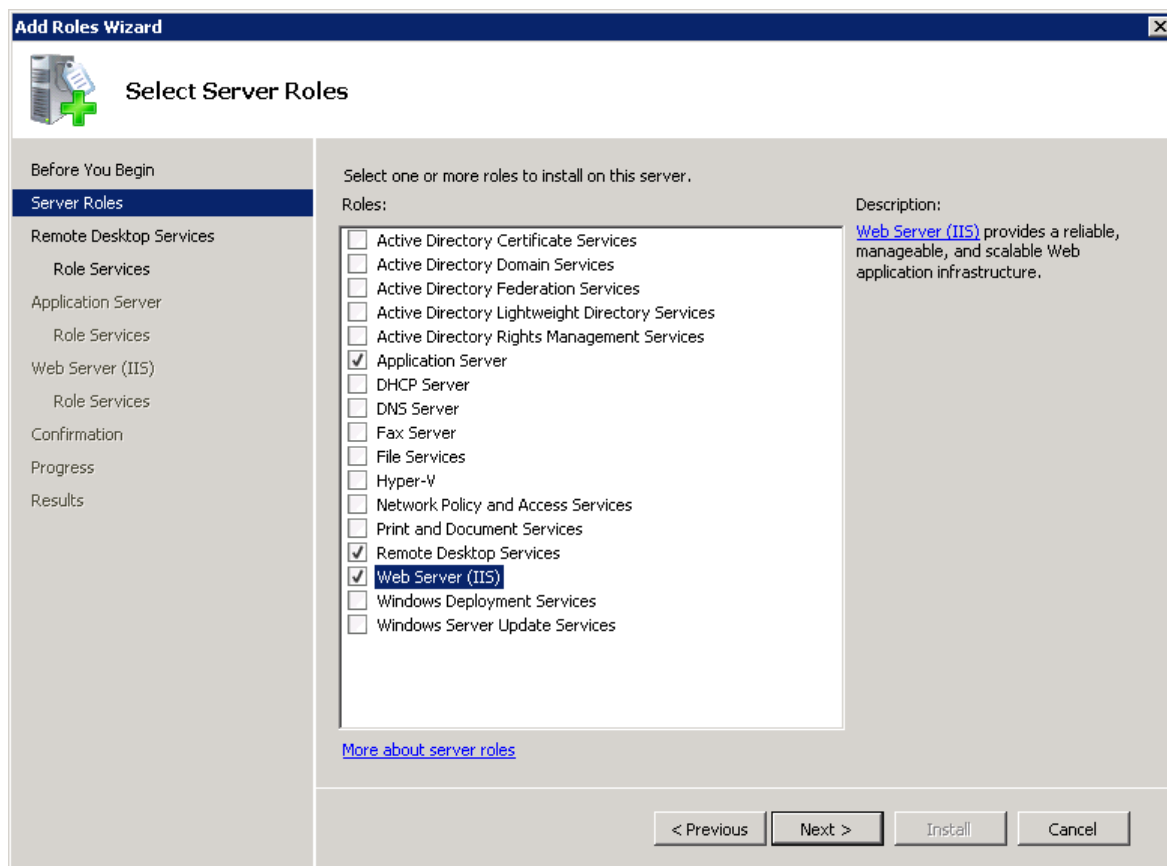
TSE Roles and Requirements

	WEB	APP	LB	SPR	VD	DMZ SPR
Windows 2008 R2	IIS7, ASP, ASP.NET, IIS6 Metabase Compatibility, Network COM+ Access, Network DTC	Remote Desktop Services Role, Network COM+ Access, Network DTC	Network COM+ Access, Network DTC	Network COM+ Access, Network DTC	VMware Server, Network COM+ Access, Network DTC	none

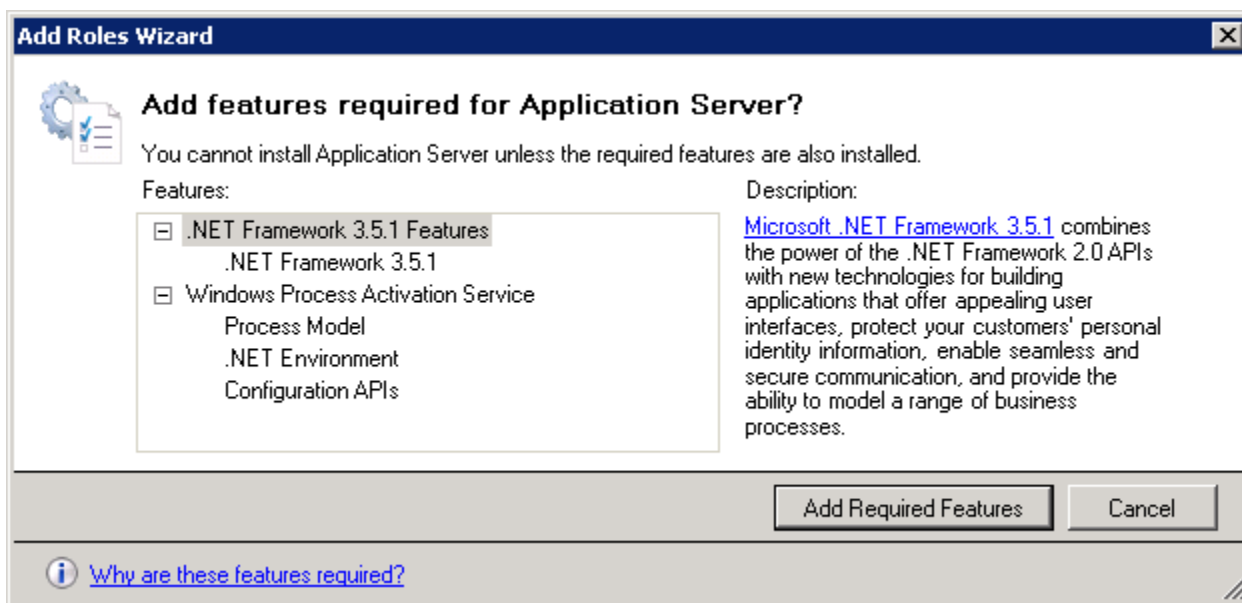
Install the required Windows Roles for 1st server in Team

Open Server Manager and add the following Server Roles:

- Application Server
- Remote Desktop Services (Optional)
- Web Server (IIS)

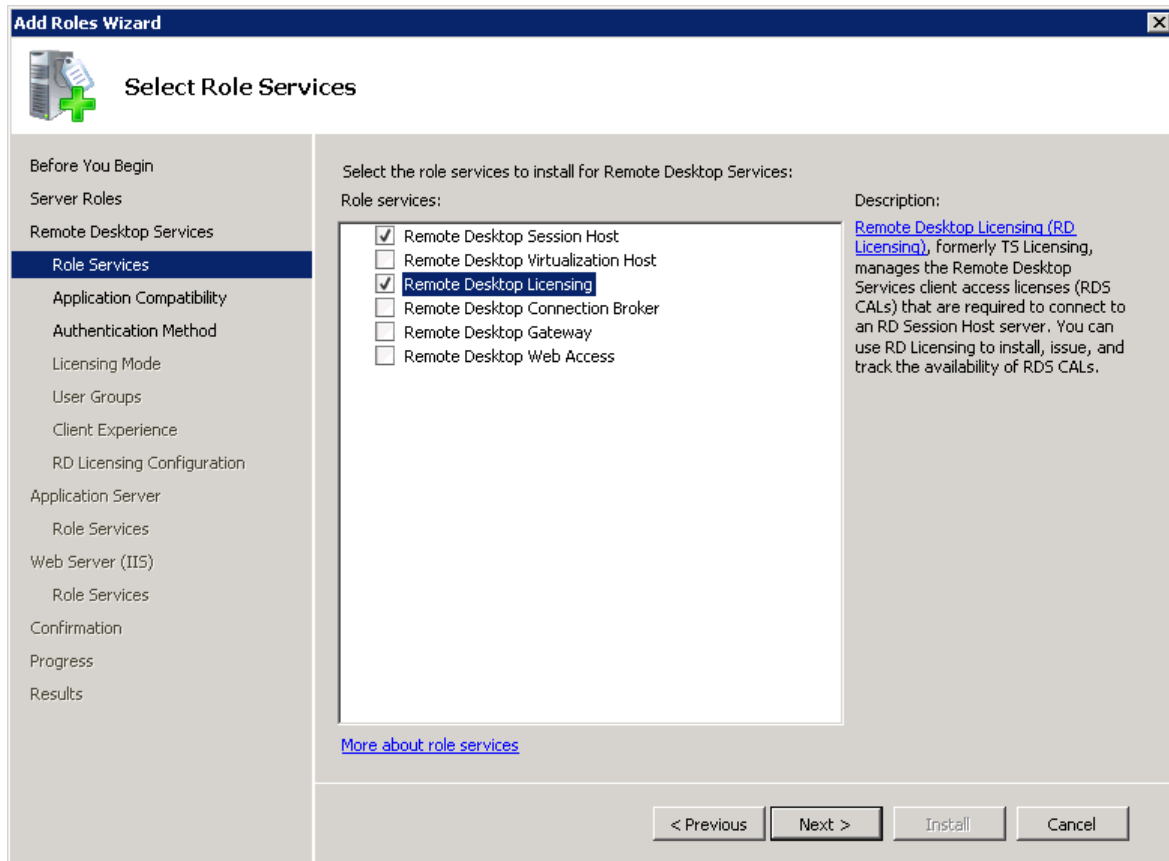


When prompted Add Required Features for Application Server Role

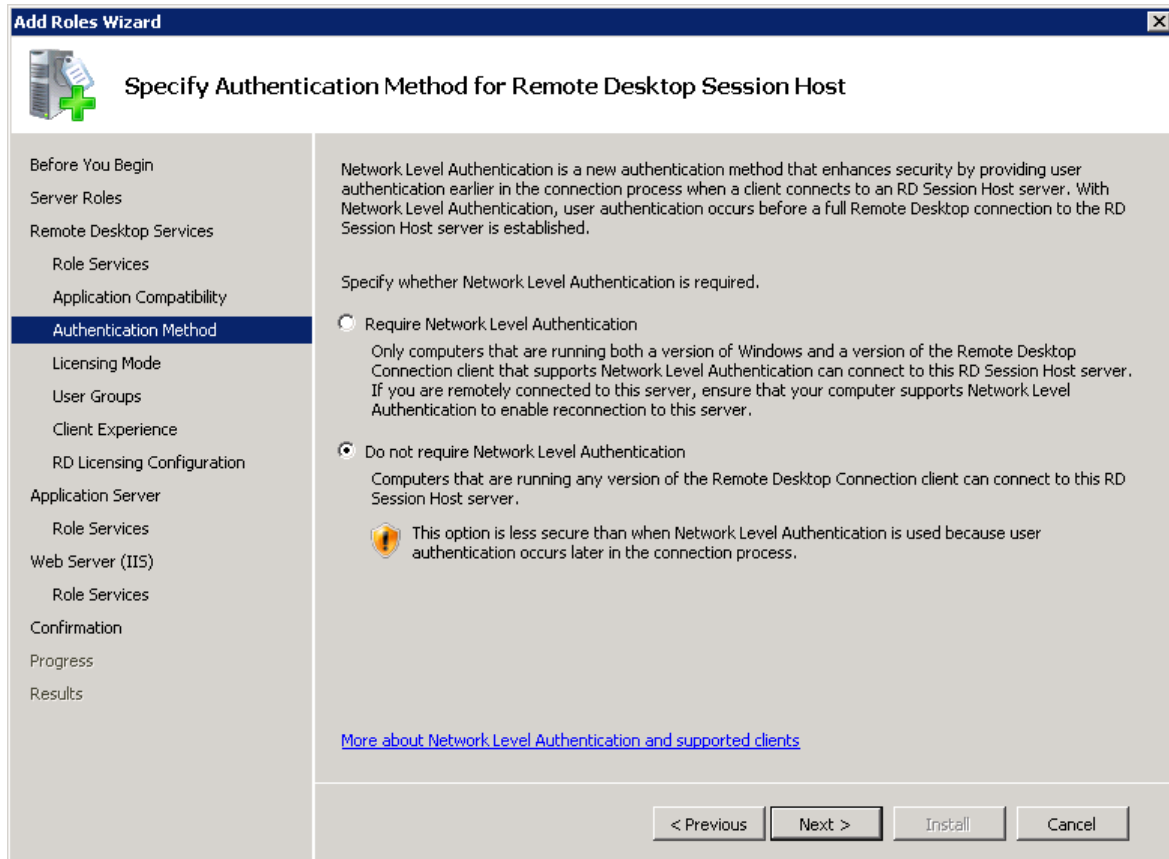


- **Remote Desktop Services**

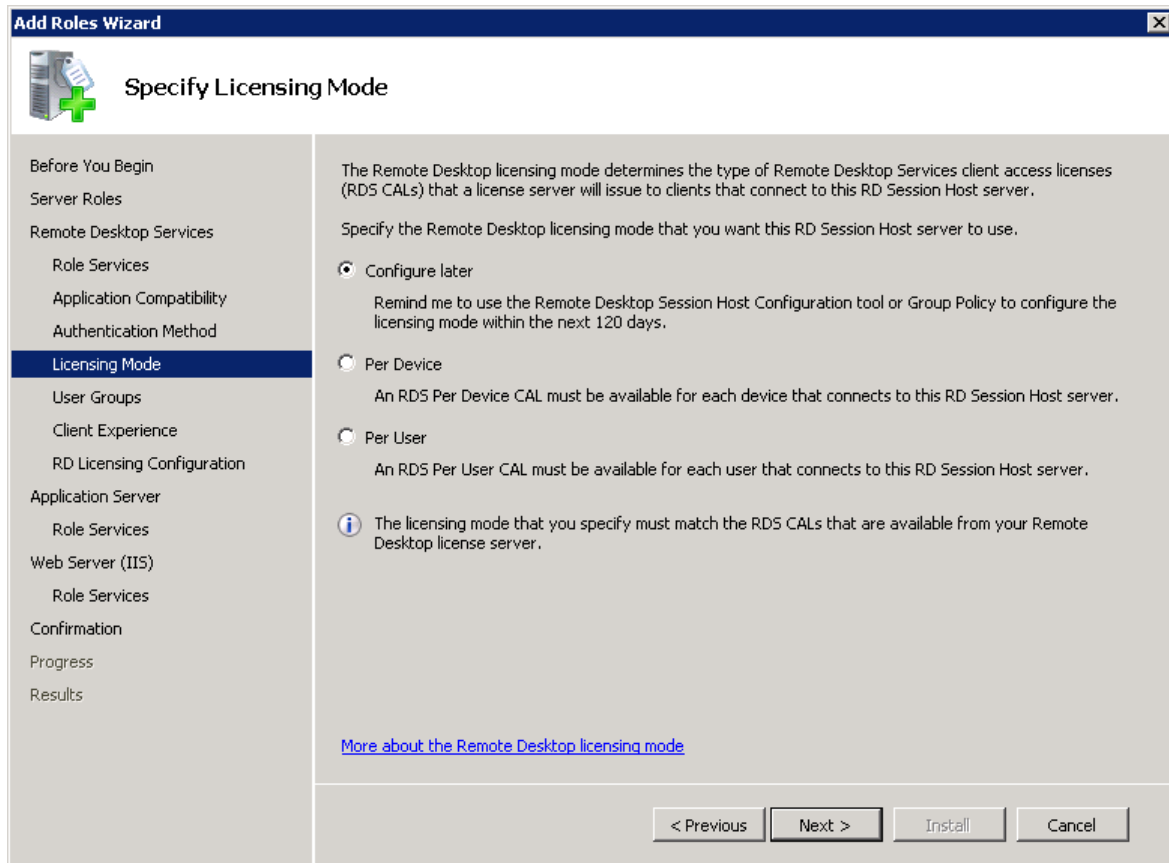
- Select the **Remote Desktop Session Host** role service and **Remote Desktop Licensing** if no other RD License server is already available.
- All other Remote Desktop Role Services are not required by Propalms TSE.



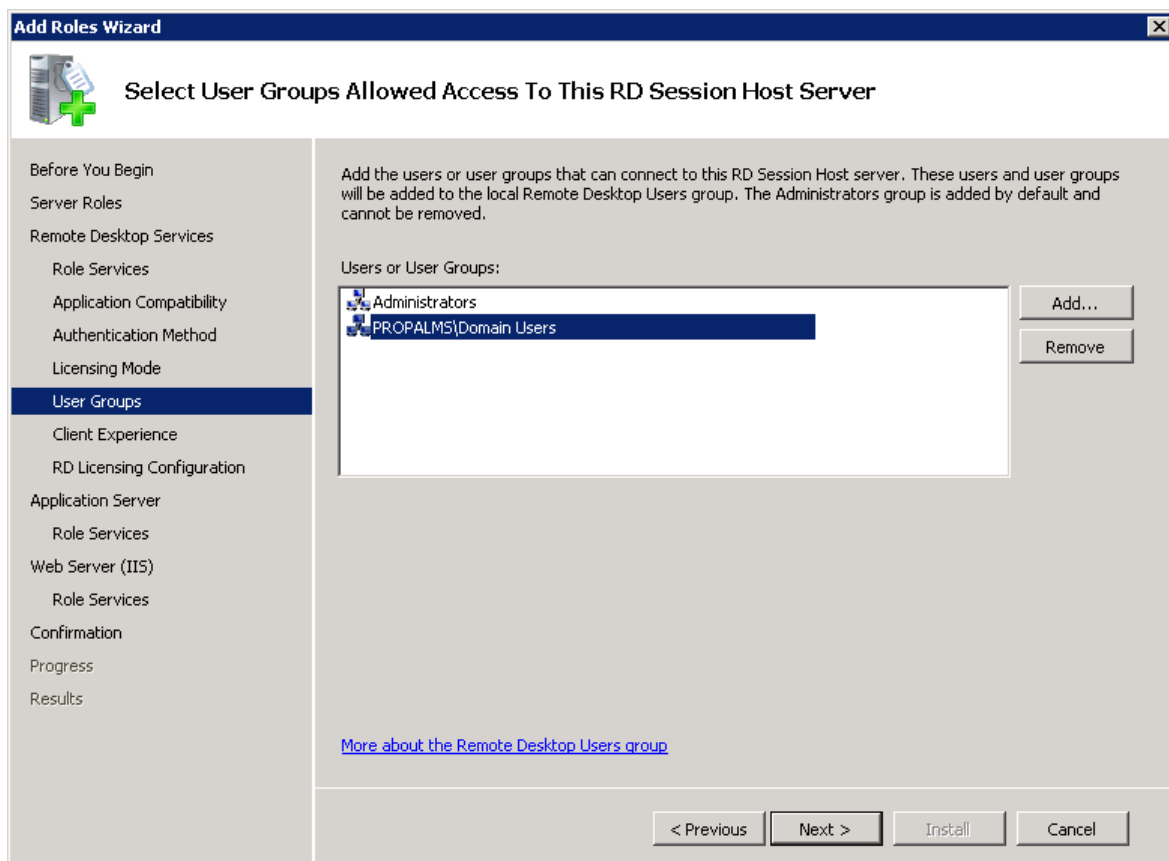
Select the **Do not require Network Level Authentication** to ensure all clients can connect. Propalms TSE ensures that authentication happens before users get remote desktop access to the server.



Choose your Remote Desktop licensing mode



Add Domain Groups authorized to connect to this Remote Desktop Session Host Server



Configure Client Experience features that you wish this Session Host server to support. Please be aware that enabling these features will add extra load to the user's session bandwidth and reduce server scalability.

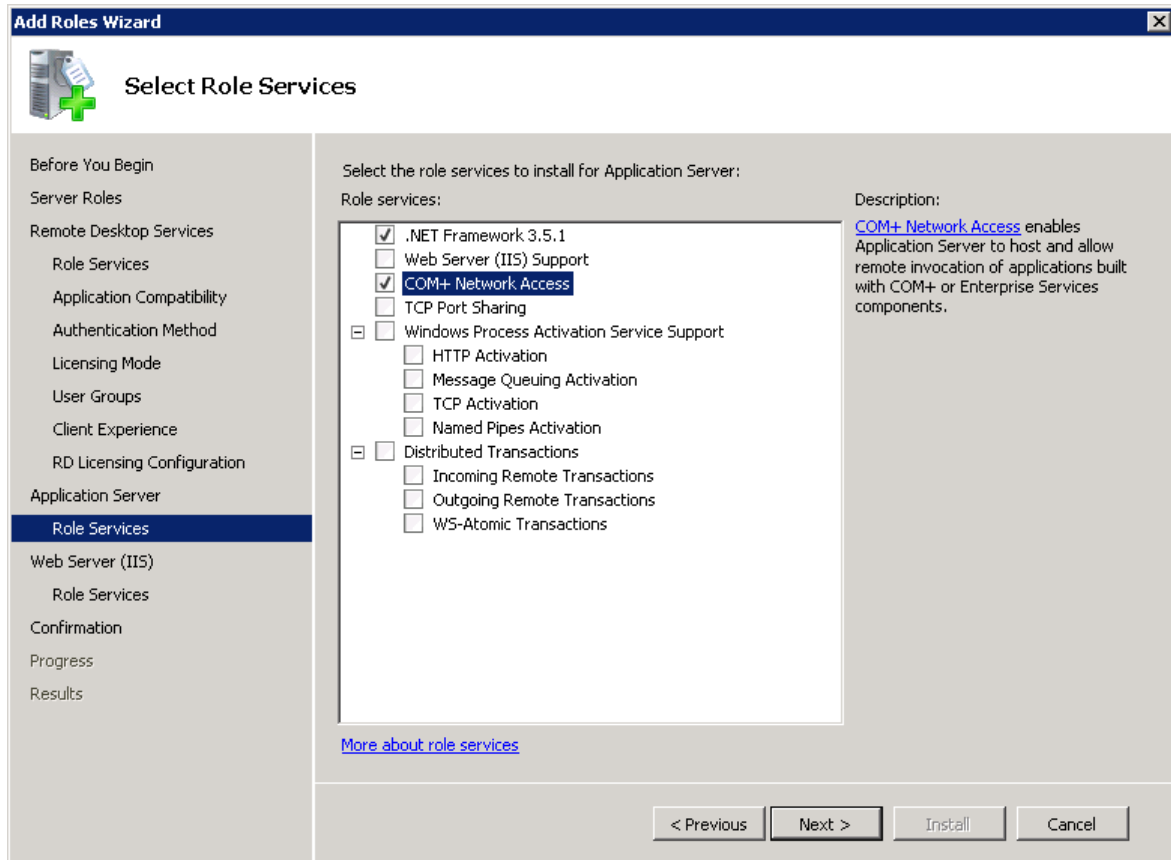
The screenshot shows the 'Add Roles Wizard' window with the title 'Configure Client Experience'. On the left is a navigation pane with the following items: Before You Begin, Server Roles, Remote Desktop Services (with sub-items: Role Services, Application Compatibility, Authentication Method, Licensing Mode, User Groups), Client Experience (highlighted), RD Licensing Configuration, Application Server (with sub-item: Role Services), Web Server (IIS) (with sub-item: Role Services), Confirmation, Progress, and Results. The main area contains the following text: 'You can configure the RD Session Host server so that users connecting to a remote desktop session can use functionality similar to that provided by Windows 7.' Below this is a warning icon and text: 'Providing this functionality requires additional system and bandwidth resources and may affect the scalability of the RD Session Host server.' Then, it says: 'Select the functionality that you want to provide. Additional functionality can be configured by using the Remote Desktop Session Host Configuration tool.' There are two information icons: the first says 'Selecting audio and video playback or desktop composition will install the Desktop Experience feature on the RD Session Host server.' Below this are three checkboxes: 'Audio and video playback', 'Audio recording redirection', and 'Desktop composition (provides the user interface elements of Windows Aero)'. The second information icon says 'If a selection is dimmed, a Group Policy setting is currently being applied to the computer that prevents that functionality from being configured. For more information, see Group Policy Settings and Configuring the Client Experience.' At the bottom of the main area is a link: 'More about configuring the client experience'. At the bottom of the window are four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'.

Configure Remote Desktop Licensing properties for your environment

The screenshot shows the 'Add Roles Wizard' window with the title 'Configure Discovery Scope for RD Licensing'. On the left is a navigation pane with the following items: Before You Begin, Server Roles, Remote Desktop Services (with sub-items: Role Services, Application Compatibility, Authentication Method, Licensing Mode, User Groups, Client Experience), RD Licensing Configuration (highlighted), Application Server (with sub-item: Role Services), Web Server (IIS) (with sub-item: Role Services), Confirmation, Progress, and Results. The main area contains the following text: 'The discovery scope for a Remote Desktop license server is used by RD Session Host servers to automatically discover the license server. This does not apply to RD Session Host servers running Windows Server 2008 R2 and applies only to those running Windows Server 2008, Windows Server 2003, or Windows 2000.' Below this is a warning icon and text: 'Microsoft recommends that you do not configure a discovery scope for the license server. Instead, you should use the Remote Desktop Session Host Configuration tool to specify a license server for the RD Session Host server to use.' There is one checkbox: 'Configure a discovery scope for this license server'. Below this are three radio buttons: 'This workgroup' (with text: 'RD Session Host servers in the same workgroup can discover this license server.'), 'This domain' (selected, with text: 'RD Session Host servers in the same domain can discover this license server. To configure this scope, this computer must be a member of a domain, and you must be logged on as a domain administrator.'), and 'The forest' (with text: 'RD Session Host servers from multiple domains in the same forest can discover this license server. To configure this scope, this computer must be a member of a domain, and you must be logged on as an enterprise administrator.'). Below this is the text: 'Select a location for the RD Licensing database:'. There is a text box containing 'C:\Windows\system32\LServer' and a 'Browse...' button. At the bottom of the main area is a link: 'More about license server discovery'. At the bottom of the window are four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'.

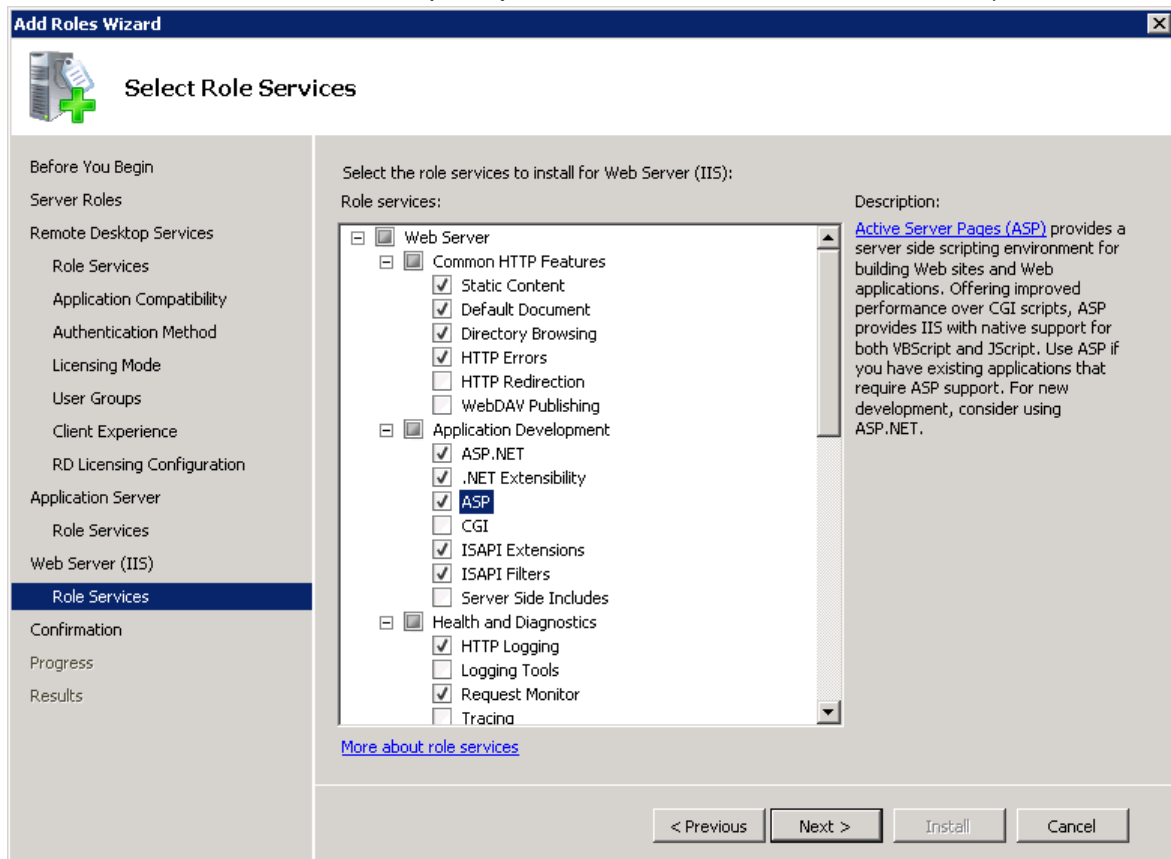
- **Application Server**

- Select **COM+ Network Access** role service in addition to the .NET Framework 3.5.1 role service already selected.

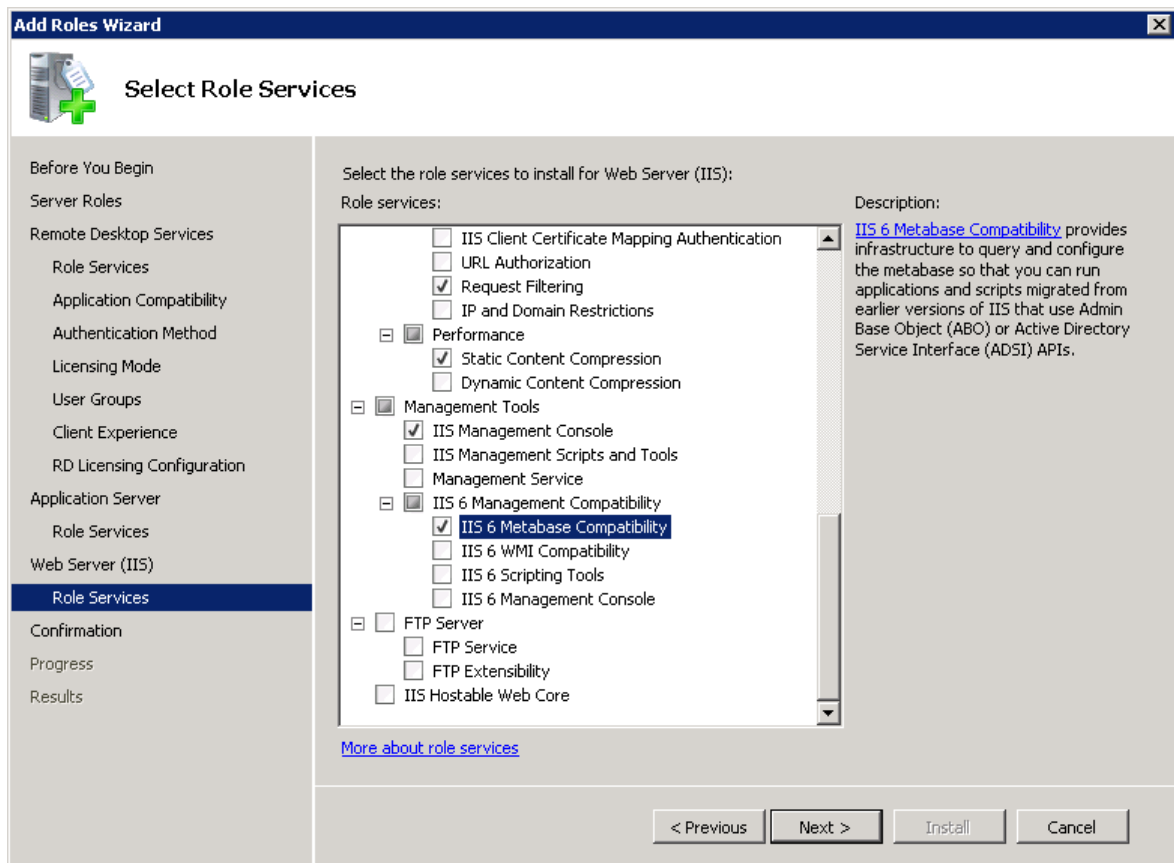
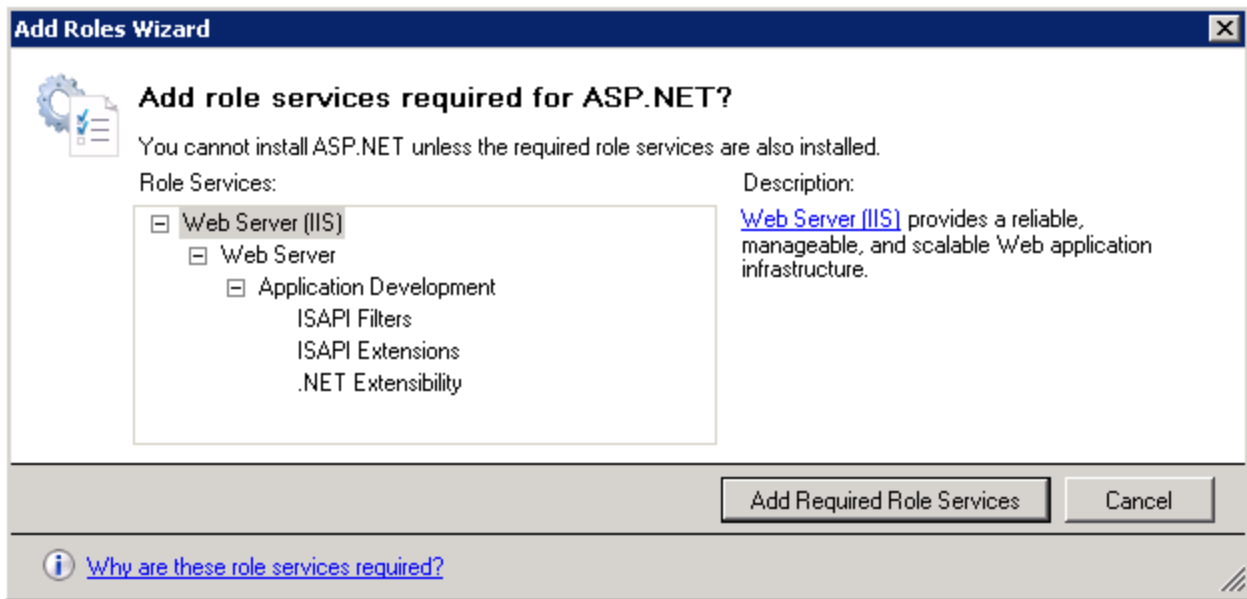


- **Web Server (IIS)**

- Select **ASP.NET, ASP and IIS6 Metabase Compatibility** role services in addition to the web role services already selected.



Add Role Services required for ASP.NET.



A reboot is required after role installation.

Install database software

Propalms TSE can use the following versions of database engines only:

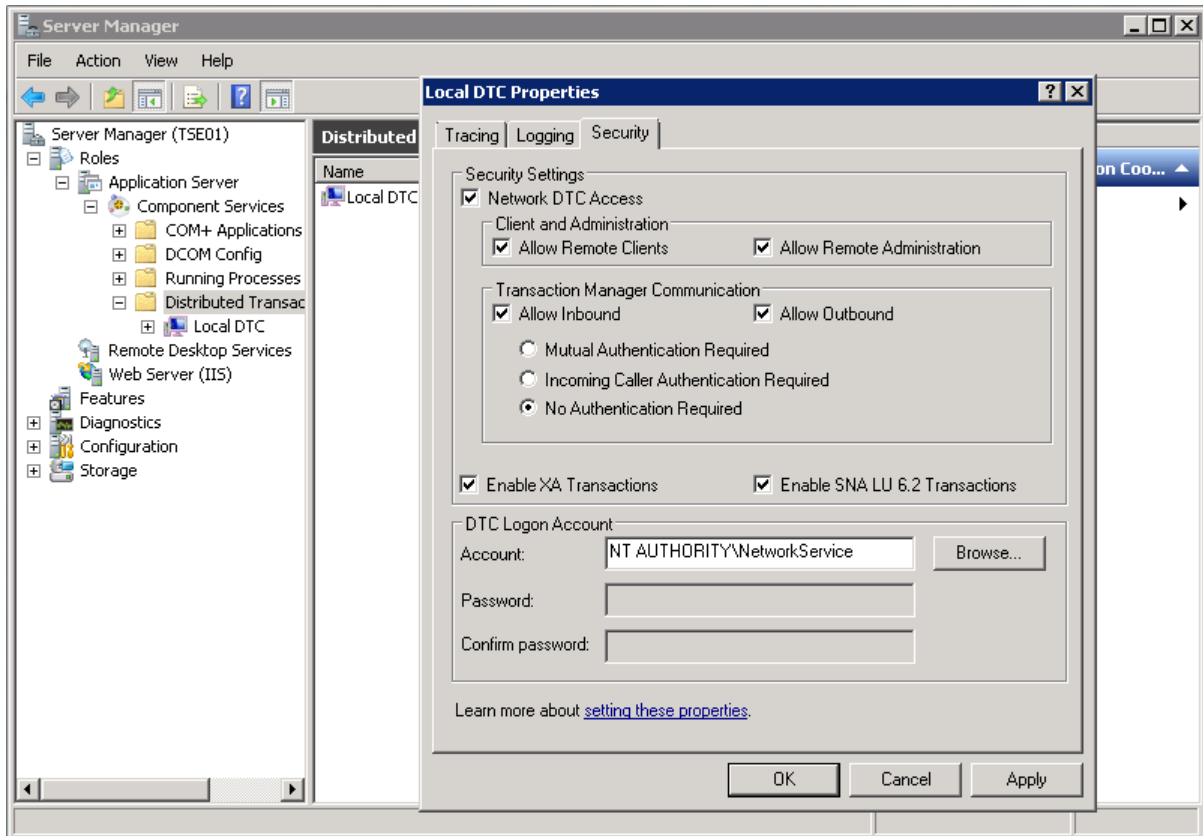
- Microsoft SQL Server
- OR
- SQL Express Edition

SQL Express 2005 SP3 is included in the support directory on the TSE 6.5 media. An install script (**InstallSQLEXPRESS.cmd**) is included which when run on the server will install SQL Express with the required settings for use with Propalms TSE. The install script creates a SQL instance named **Propalms**. When prompted for the database server name in the propalms installation, use the format **SERVERNAME\Propalms**.

NB: For increased security please edit the installSQLEXPRESS.cmd file and change the value for the SA password. Currently set to **SET SAPWD=propalms**

Enable Network DTC Access

Enable the settings as shown below. This action should be performed on all Propalms TSE Servers including the database server if it resides on a separate server.



Firewall settings

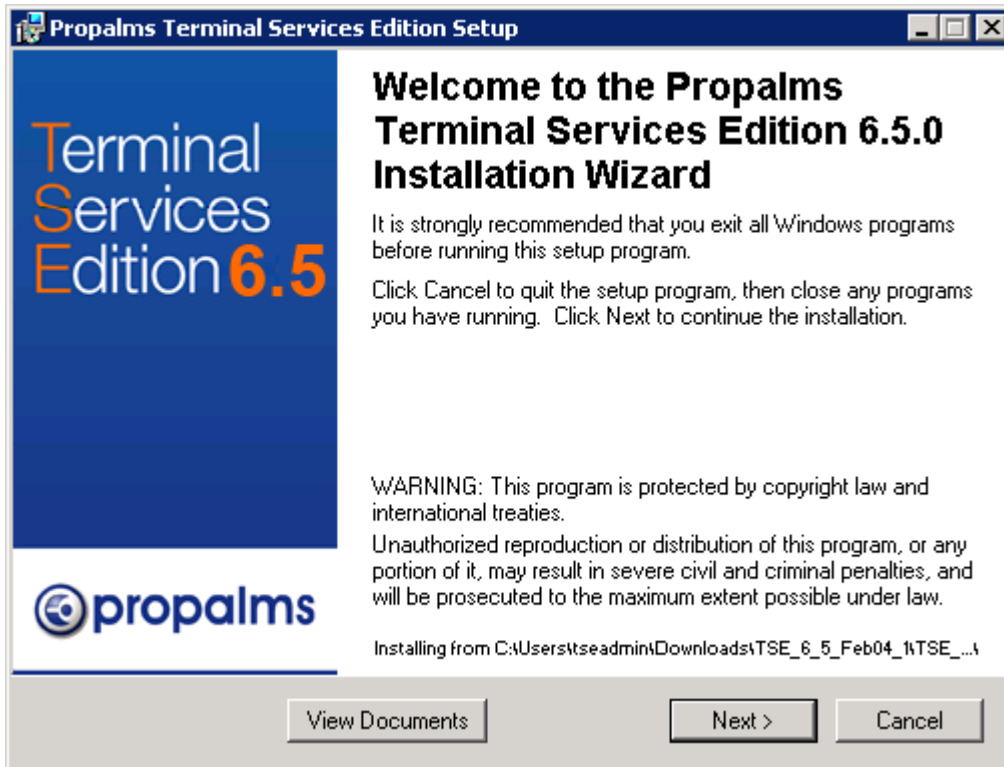
Go to Control-Panel and turn off Windows Firewall if it is currently on.

Interactive Services Detection

Ensure that the Interactive Services Detection service is running in order to view the background role installation dialogs.

Install Propalms TSE 6.5

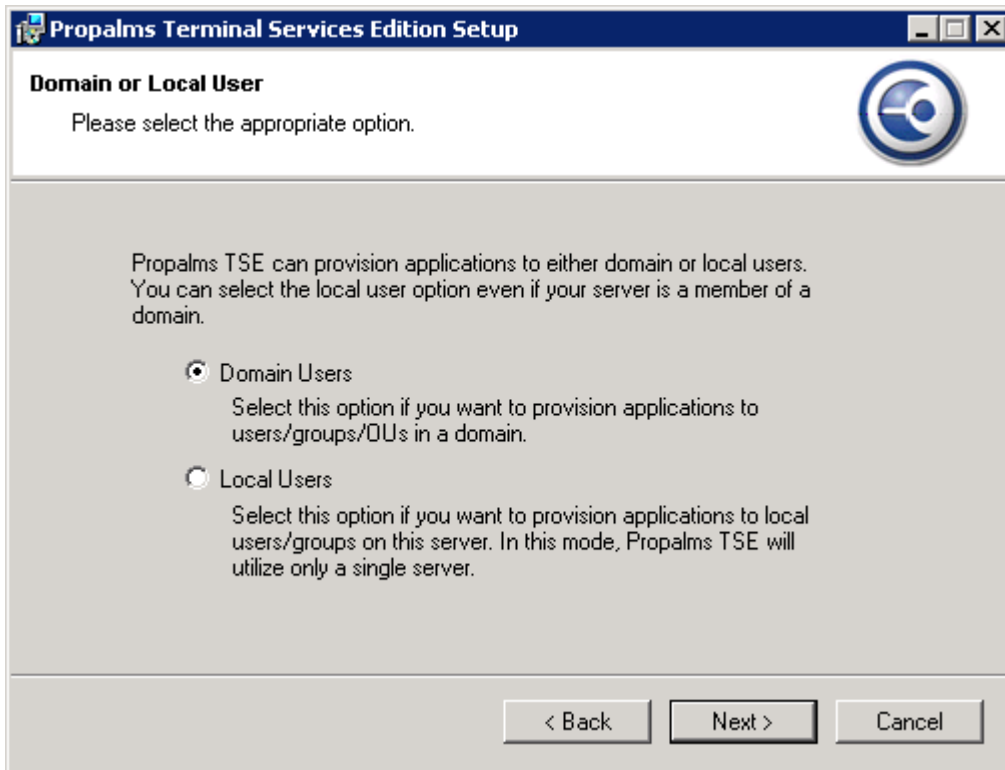
- Run Propalms-TSE.exe from installation media.



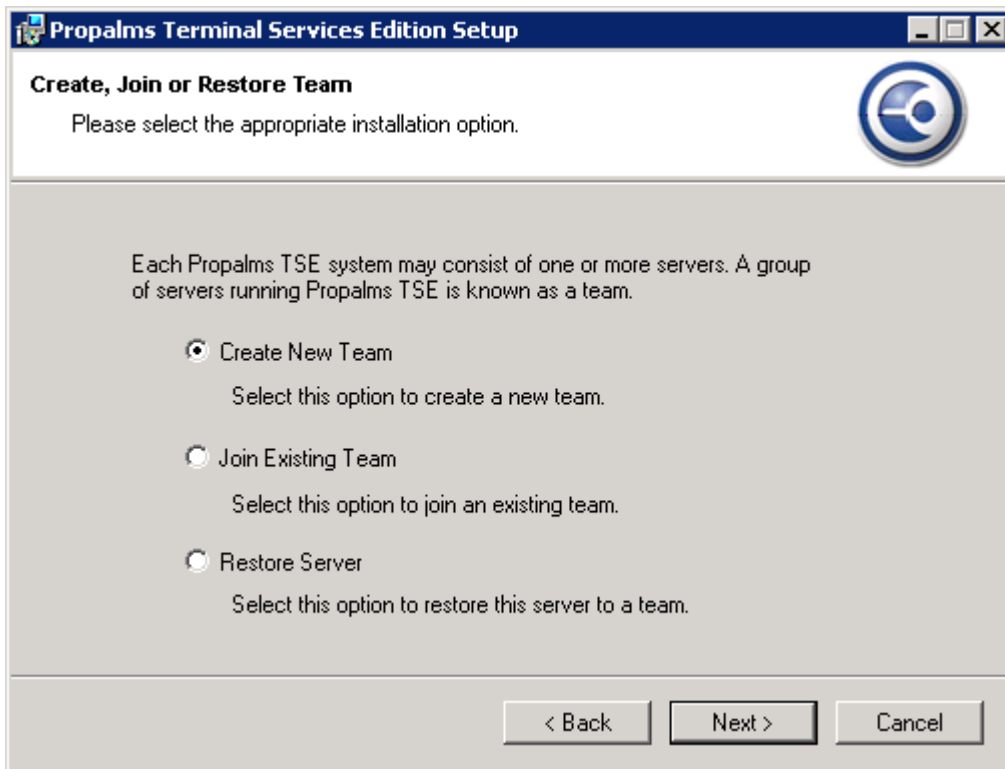
- Read and accept license agreement to continue.



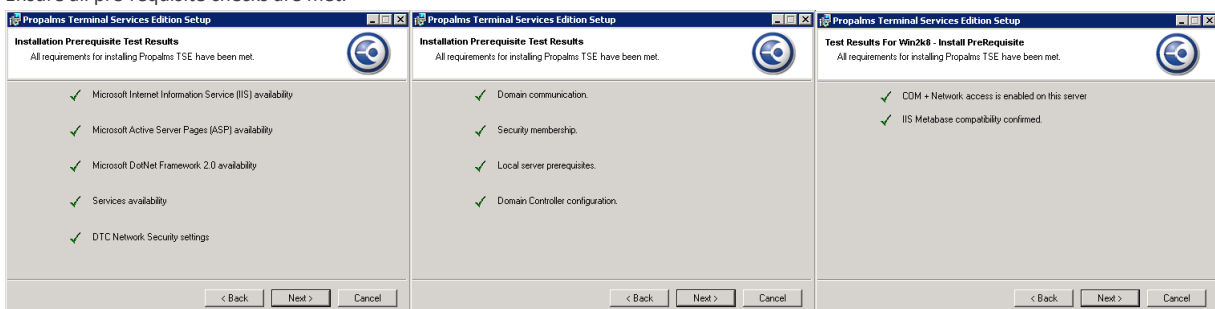
- Choose **Domain or Local users** for purpose of securing published application access. Domain User option is not available unless the server is a member of a domain.



- Choose **Create New Team**.



- Ensure all pre-requisite checks are met.



- Enter Licensing information. Leave as default option for 30 day - 5 user evaluation license. Alternatively, if you already have a Base Key issued from Propalms then you can enter it by selecting the **Product Key** option.

The screenshot shows the 'Propalms Terminal Services Edition Setup' window. The title bar reads 'Propalms Terminal Services Edition Setup'. The main heading is 'User Information'. Below the heading, it says 'Please enter the following information to customize your installation.' There are three input fields: 'Full Name' with the text 'Admin', 'Organization' with the text 'Propalms Demd', and 'Product Key'. Under the 'Product Key' field, there are two radio button options: '30 Day Evaluation' (which is selected) and 'Product Key'. At the bottom of the window, there are three buttons: '< Back', 'Next >', and 'Cancel'.

- Type your chosen Database name.

The screenshot shows the 'Propalms Terminal Services Edition Setup' window. The title bar reads 'Propalms Terminal Services Edition Setup'. The main heading is 'Database Name'. Below the heading, it says 'Please enter the name for the database'. There is a paragraph of text: 'By default PropalmsTSE creates the database named PropalmsDB or you can enter a name of your choice below.' Below this text is a single input field labeled 'Database Name' with the text 'PropalmsDB'. At the bottom of the window, there are three buttons: '< Back', 'Next >', and 'Cancel'.

- Provide a valid SQL instance in format of **SERVERNAME** or **SERVERNAME\instancename**.
If SQL Express was installed using the script provided with the TSE 6.5 media then use **SERVERNAME\Propalms** as the value.

The screenshot shows a Windows-style dialog box titled "Propalms Terminal Services Edition Setup". The main heading is "Propalms TSE Database Server". Below the heading, it says "Please enter information about your relational database server." There is a circular logo with a stylized 'P' and 'S' in the top right corner. The main text area contains the following text: "Propalms TSE stores the user management information in a relational database. Please specify the database server. The credentials of the person running the installation will be used to connect to the database." Below this text is a text input field labeled "Server Name:" containing the text "TSE01\propalms". At the bottom of the dialog, there are three buttons: "< Back", "Next >", and "Cancel".

Depending on how SQL was installed this value should be either *Servername* or *Servername\instance*

- Enter a **Team Name**. This can be changed later from the TSE Console.

The screenshot shows a Windows-style dialog box titled "Propalms Terminal Services Edition Setup". The main heading is "Team Name". Below the heading, it says "Please enter the name and description for the Propalms TSE team." There is a circular logo with a stylized 'P' and 'S' in the top right corner. The main text area contains the following text: "Each Propalms TSE system consists of one or more Propalms TSE servers. A group of Propalms TSE servers is known as a team." Below this text are two text input fields. The first is labeled "Team Name:" and contains the text "Propalms TSE Team". The second is labeled "Description:" and contains the text "Propalms TSE on TSE01". At the bottom of the dialog, there are three buttons: "< Back", "Next >", and "Cancel".

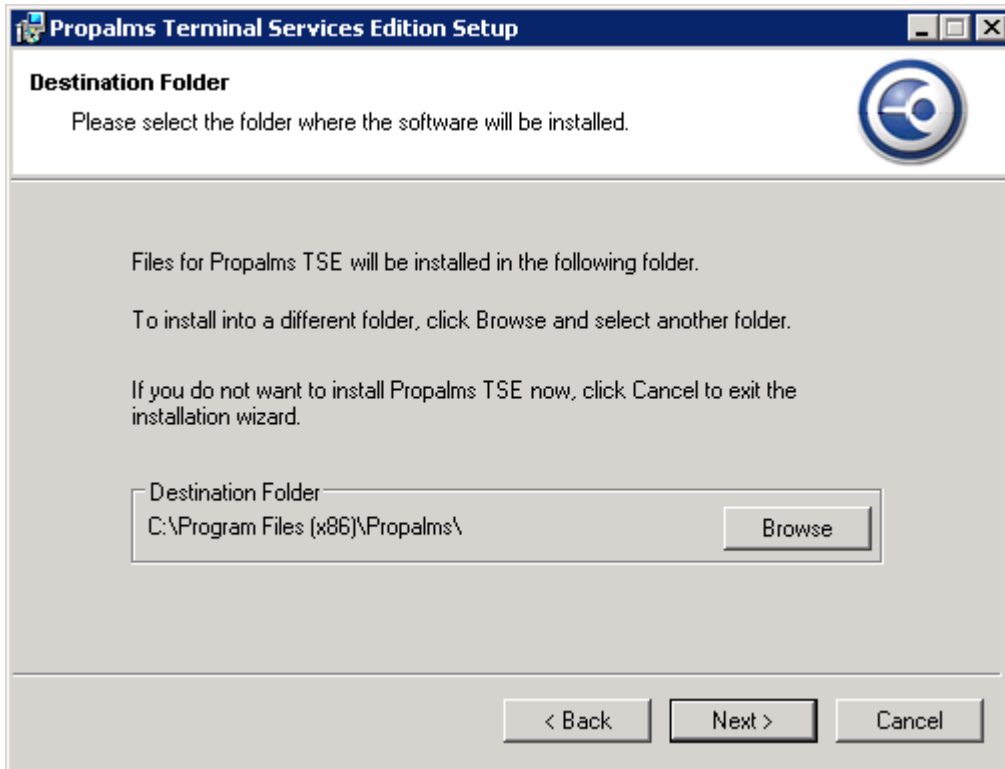
- Enter user credentials for the **Propalms TSE Identity Account**. It is recommended to create a dedicated domain user for this account as certain TSE services will be installed to run under this user context. Therefore any password changes to this account will cause disruption to the TSE environment.

The screenshot shows the 'Propalms Terminal Services Edition Setup' dialog box. The title bar reads 'Propalms Terminal Services Edition Setup'. The main heading is 'Component Identity' with a sub-instruction: 'Please specify an identity for the COM+ components.' Below this, a paragraph states: 'COM+ components require an identity to initialize and run. Please enter the user name and password for use by these components.' There are three input fields: 'User Name' containing 'tseadmin', 'Password' containing seven dots, and 'Domain' containing 'PROPALMS'. A bold note reads: 'Note: This user will be given Local Administrator Rights on all Propalms TSE servers.' At the bottom are three buttons: '< Back', 'Next >', and 'Cancel'. A blue callout bubble on the right says: 'This account should already have been created in the Domain or on the local machine'.

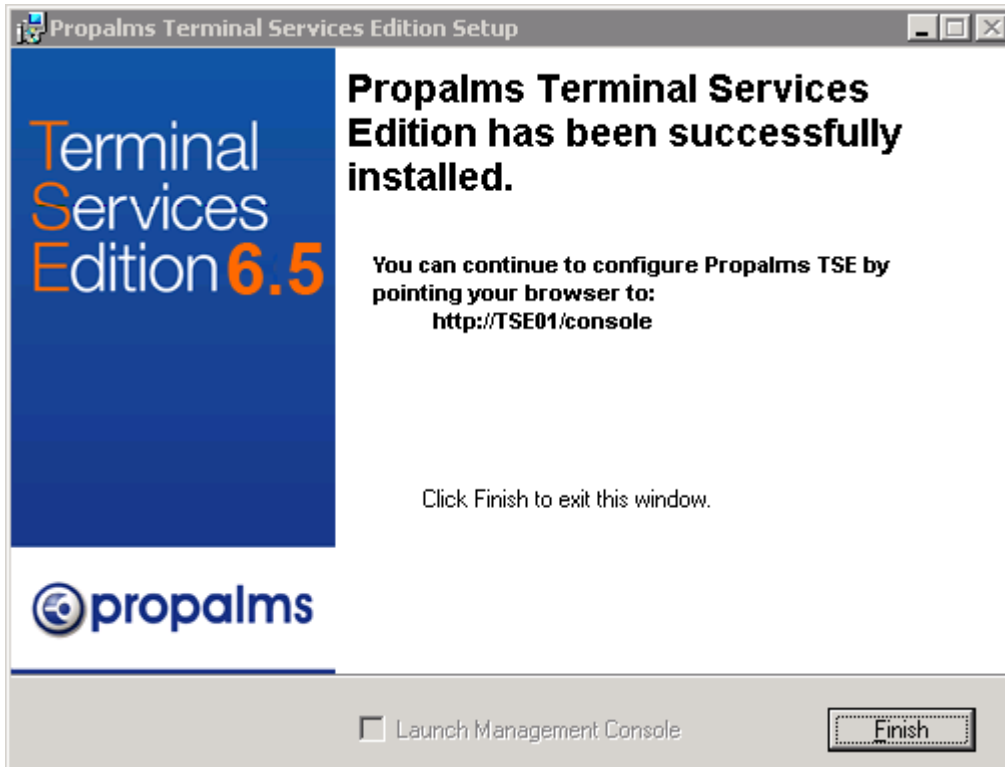
- Enter a **Propalms TSE Administrator Group**. The account specified above automatically becomes a member of this group. Any users added to this group are provided permission to administer the TSE system. (i.e. Logon to the TSE Management Console)

The screenshot shows the 'Propalms Terminal Services Edition Setup' dialog box. The title bar reads 'Propalms Terminal Services Edition Setup'. The main heading is 'Administrator Group' with a sub-instruction: 'Please specify the administrator group for Propalms Terminal Services Edition.' Below this, a paragraph states: 'Propalms TSE is managed by a group of administrators. Please specify the name and domain of the group that will administer Propalms TSE.' There are two input fields: 'Group Name' containing 'TSE Admins' and 'Domain' containing 'PROPALMS'. At the bottom are three buttons: '< Back', 'Next >', and 'Cancel'. A blue callout bubble on the right says: 'This group should already have been created in the Domain or on the local machine'.

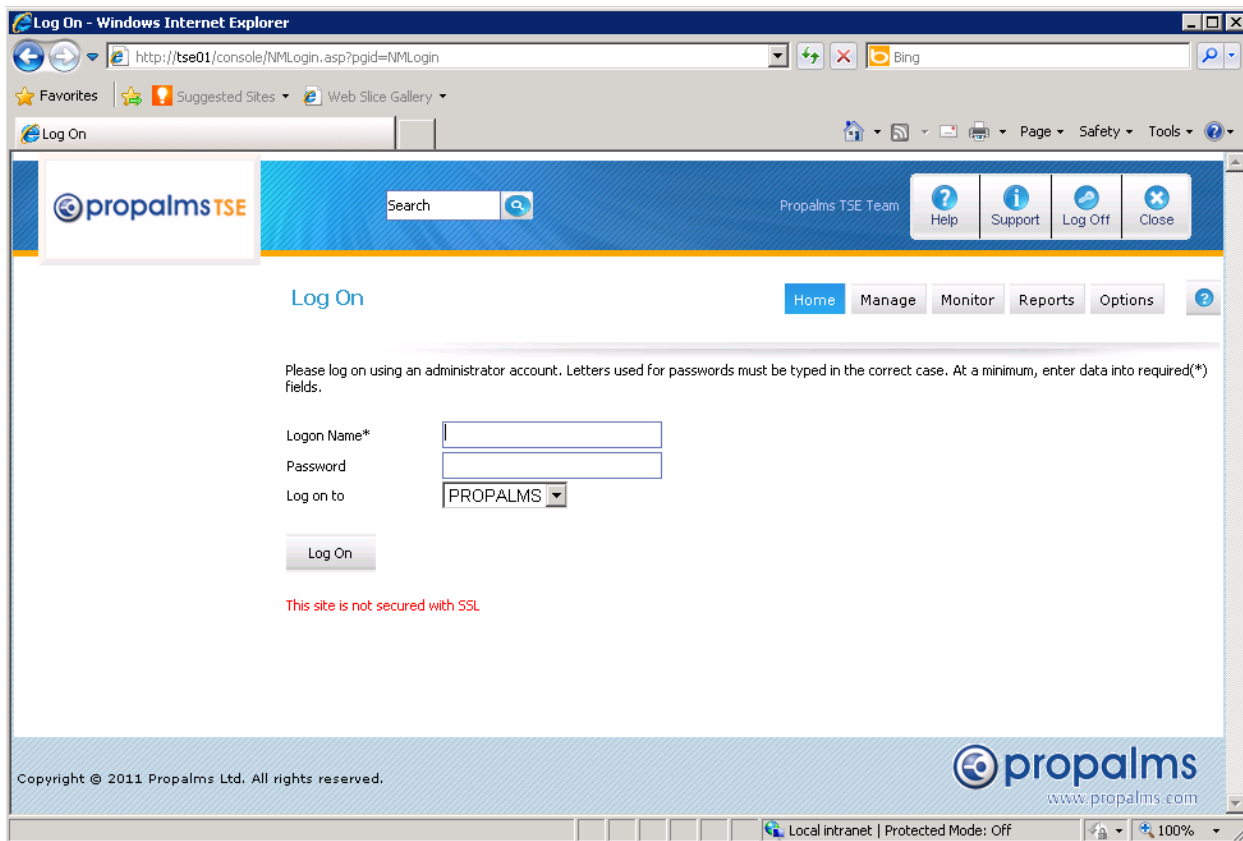
- Choose a Destination Folder for installation.



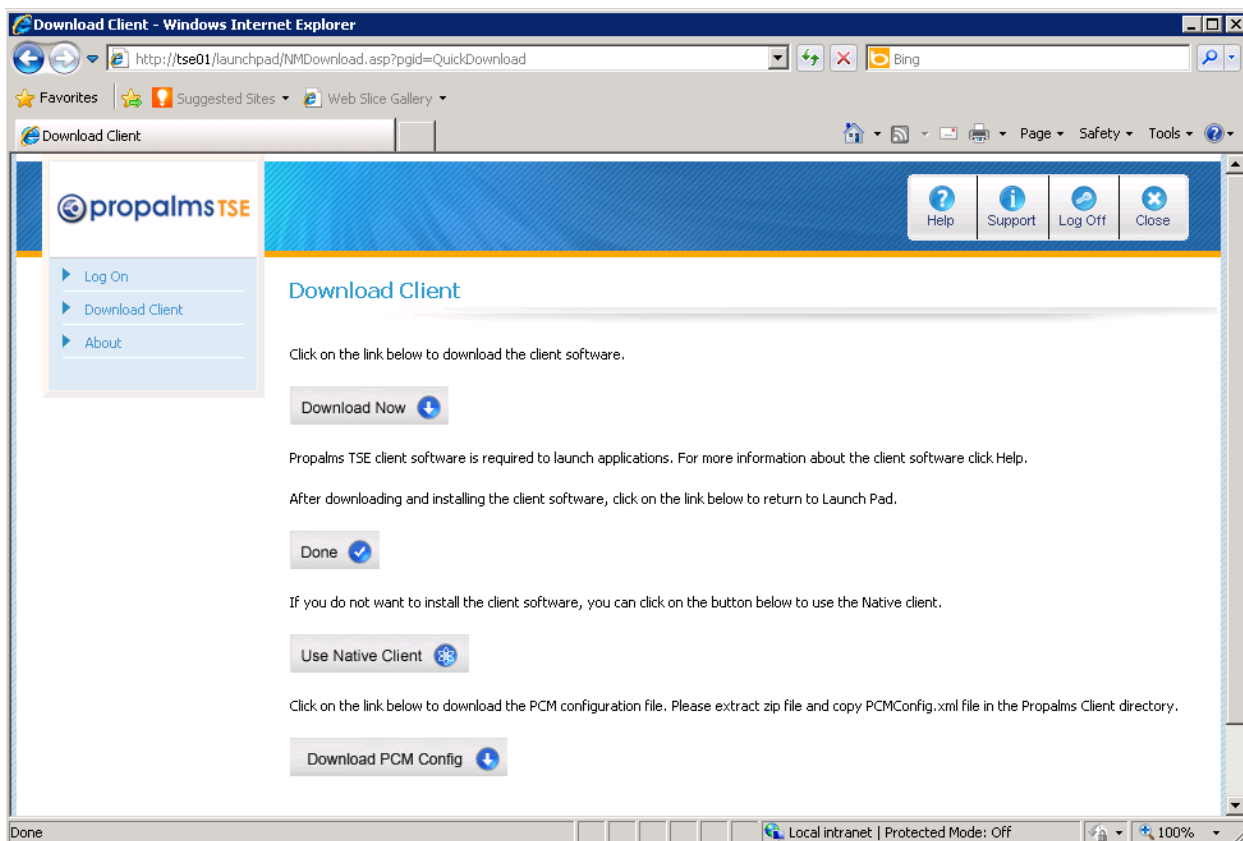
- Click Next to begin the installation. Files will be copied and relevant TSE Roles will be installed.
- Restart when the installation is complete.



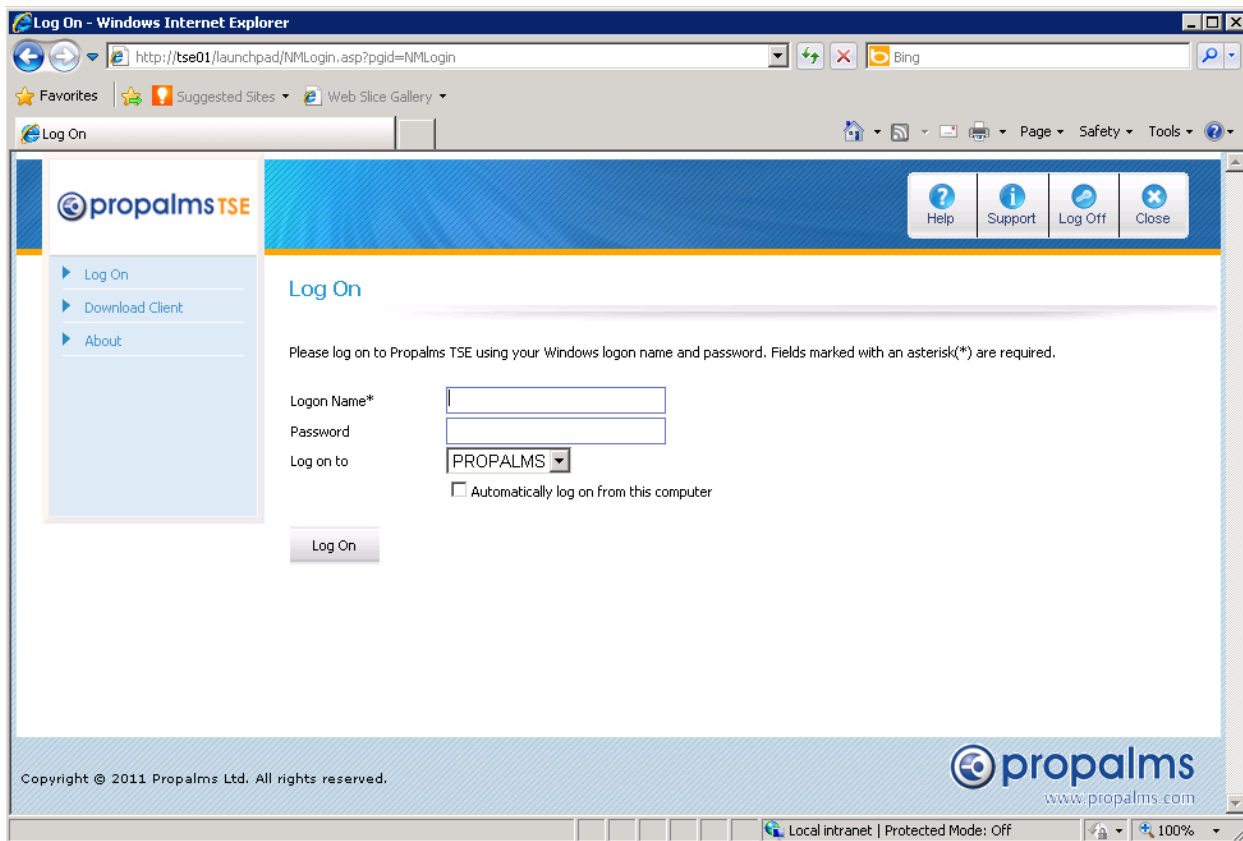
Your Propalms TSE server should now be fully installed. To administer the system go to the **Propalms TSE Management Console** - <http://servername/console> and login using the Propalms Identity account specified above or any member of the TSE Administrators group.



To login as a user go to the **Propalms TSE LaunchPad** - <http://servername/launchpad> and login with a valid user account. The first time you access the Propalms TSE LaunchPad the website will detect whether you have the Propalms Connection Manager client installed. If not then you will be prompted to download and install the client software. Once the client is installed click **Done** to return to the logon page.



In order for applications to appear for your users after they login, you have to publish them to groups/OUs/users within the Propalms TSE Management Console. For more information refer to the Propalms TSE Administrators Guide.



Propalms Ltd is a global provider of application delivery and secure remote access solutions for Terminal Services and Virtual Desktop Infrastructures. Delivering to Enterprises of all sizes we offer reliable, scalable and affordable solutions that simply work. Our belief is that application delivery solutions should be flexible, dynamic and above all, simple to use.

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