



A Guide to New Features in Propalms TSE 6.5

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New Load Balancer ranking scheme - % Utilization based

Currently Propalms Load Balancer computes a rank for each online Application server based on the available resources (by default only CPU and memory.) The new LB design will not assign a rank to each server merely based on the available resources it has; it will assign rank based on the % utilization of resources available on it. Therefore at any time the % of available resources utilized on each server, will be the same. This scheme should be used when Application servers are of different Memory and CPU specifications. It will help in even distribution of sessions across servers.

The new Load Balancer scheme can be set in the Management Console under [Options-Load Balancer](#) page.

Update Load Balancer Options Home Manage Monitor Reports Options ?

From this page you can update the Load Balancer configuration.

Update Cancel

Load Balancing Scheme:

Resource Based (Default)

Performance Counter	Limit Servers to	Rate Servers on
Available CPU Cycles	Unlimited	<input checked="" type="checkbox"/>
Available Memory	Unlimited	<input checked="" type="checkbox"/>
Memory Page Table Entries Available	Unlimited	<input type="checkbox"/>
Memory Page Swaps	Unlimited	<input type="checkbox"/>
Processor Queue Length	Unlimited	<input type="checkbox"/>
Processor Context Switches	Unlimited	<input type="checkbox"/>

Percent Utilisation Based

Performance Counter	Limit Servers to	Rate Servers on	Weightage factor
Percent(%) CPU Available	10 %	<input checked="" type="checkbox"/>	2
Percent (%) Memory Available	10 %	<input checked="" type="checkbox"/>	1

Limit Servers to: defines the lower threshold level for servers. On reaching the threshold level set for servers, server will be excluded from Load balancing. For e.g.: if set to 10%, that would imply that the server will be excluded from participating in load balancing if its % availability of resources falls below 10% .

Weightage Factor: This can be used to influence server ranking if availability of any one resource type is of more importance than the other. For e.g.: if % availability of Memory is more significant then % availability of CPU, admin may give more weightage or points to Memory as compared to CPU. This will help a server with more Memory availability, to rank upper in the server ranking scheme of LoadBalancer.

Note: On changing the LB scheme, Propalms LoadBalancer service should be restarted to enforce the change.

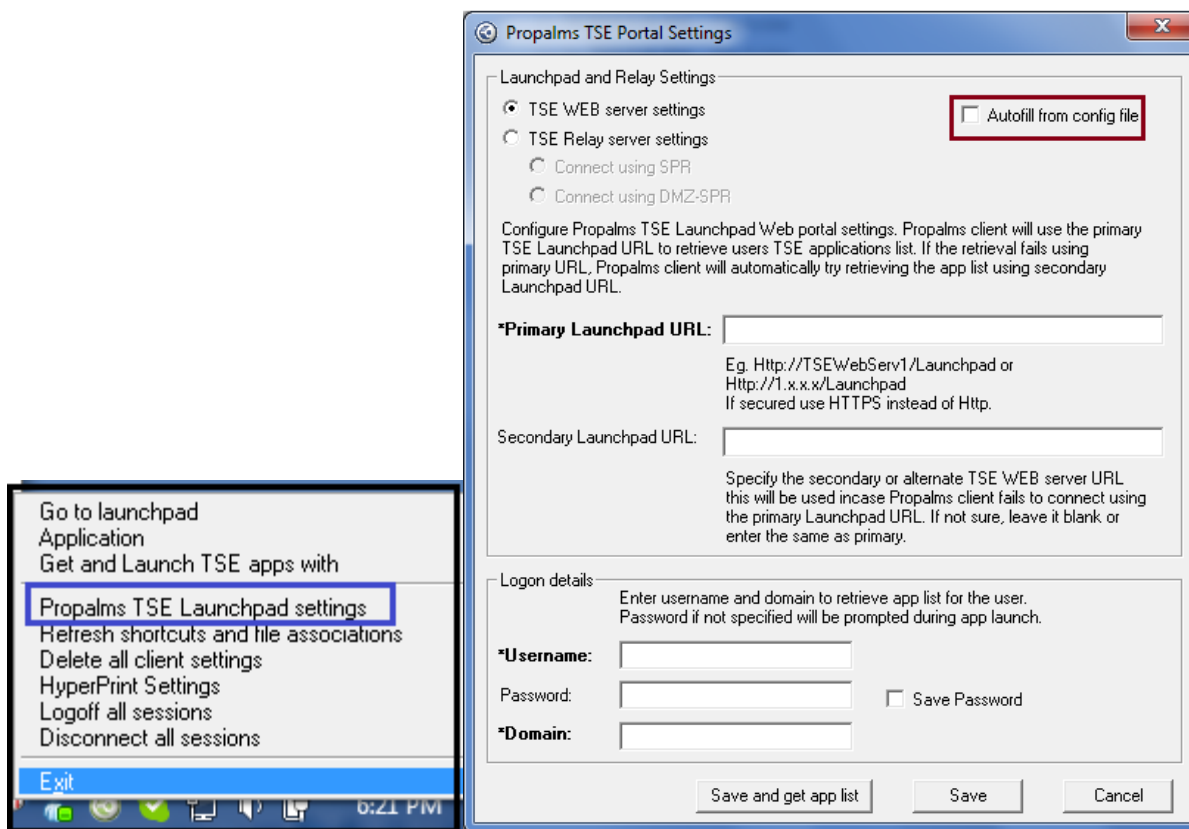
TSE Web, TSE SPR and TSE DMZ-SPR redundancy using auto failover feature in Propalms client

A new feature in TSE, where Propalms Client will automatically switch over communication to other WEB, SPR or DMZ-SPR servers in the TSE team in the event of a failure in communication with an existing Web, SPR or DMZ-SPR server. This will facilitate redundancy, fault tolerance and fall back mechanism of the WEB, SPR and DMZ-SPR server roles.

Client failover to secondary WEB server:

For Propalms client to failover communication to a secondary WEB server, there is no special configuration or settings that are needed on the server side or in TSE Management Console. TSE admin, only needs to ensure, that there are more than one TSE servers running the TSE WEB role. Propalms client will be notified of the other online WEB servers, on the first successful handshake between Propalms Client and TSE Web server (Launchpad site). This information will be cached and saved by Propalms Client and will be used in the event of communication failure with the current TSE WEB server.

Alternatively, TSE User can also specify the primary and secondary TSE Web servers to be explicitly used, in Propalms TSE Client configuration, right-click PCM sys tray icons [Propalms TSE Launchpad Settings](#).



PCMConfig file may also be used to auto fill the Web server information. Refer to next section for more information on PCMConfig file and its use.

Client failover to secondary SPR, DMZ-SPR server:

Unlike the Client Web failover, for SPR or DMZ-SPR failover to happen, alternate or secondary SPR, DMZ-SPR information needs to be pre-configured in Propalms client, using [Propalms TSE Launchpad Settings](#) menu. TSE admin can provide user a PCMConfig file that has info for all the TSE WEB, SPR and DMZ-SPR servers running in their TSE team. A user should copy the config file in the [\Propalms Client](#) directory and use the [Auto Fill from config file](#) check box to populate the settings.

The config file can also be made downloadable from TSE Launchpad web portal from the [Download Client](#) section. Alternatively, during PCM install, if the PCMConfig file is present in the same folder as PCM install files, the config file will be copied into the Propalms Client Folder on install.

Propalms TSE Portal Settings

Launchpad and Relay Settings

TSE WEB server settings

TSE Relay server settings

Autofill from config file

Connect using SPR

Connect using DMZ-SPR

Configure Propalms Relay server settings. Propalms client will use the Primary relay (DMZ/SPR) server to retrieve users TSE App list and launches. If the retrieval or launch fails using Primary Relay server, Propalms client will automatically try connecting to the secondary relay server.

***Primary Relay URL:**
Enter the SPR/DMZ-SPR launchpad URL
Eg: Https://DMZ_SPR_IP/launchpad.
If not secured Http://DMZ-SPR-IP/Launchpad

Secondary Relay URL:
Specify the secondary or alternate Relay server URL. This will be used in case connection fails using the Primary relay server. If not sure, leave it blank or the same as primary.

Logon details

Enter username and domain to retrieve app list for the user. Password if not specified will be prompted during app launch.

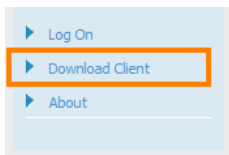
***Username:**

Password: Save Password

***Domain:**

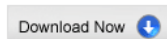
The PCMConfig.xml file should always be copied to the [Program files\Propalms Client](#) install directory and should retain the same name i.e. [PCMConfig.xml](#). If the location or file name is changed, [Auto Fill from config file](#) will not work. To make the PCM Config file downloadable from Propalms Launchpad-Download client page, zip the config as [PCMConfig.zip](#) and place it in [Inetpub\wwwroot\Depot](#) directory of all TSE WEB servers.

TSE users can then download the config file using the [Download PCM Config file](#) option on Download client, TSE Launchpad page.



Download Client

Click on the link below to download the client software.

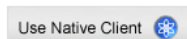


Propalms TSE client software is required to launch applications. For more information about the client software click Help.

After downloading and installing the client software, click on the link below to return to Launch Pad.



If you do not want to install the client software, you can click on the button below to use the Native client.



Click on the link below to download the PCM configuration file. Please extract zip file and copy PCMConfig.xml file in the Propalms Client directory.



Sample PCMConfig.xml file:

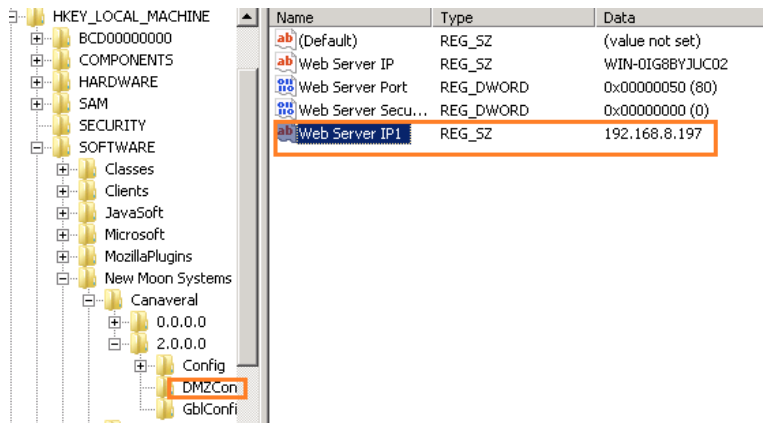
```
<LaunchpadSettings>
  <WebOrRelay>0</WebOrRelay><!-- Web = 0, Relay = 1 -->
  <UserName>TSEUSER</UserName>
  <DomainName>DOMAIN_name</DomainName>
  <WebServer>
    <SSLAvaliable>0</SSLAvaliable>
    <PortNumber>80</PortNumber>
    <SERVER_1>192.168.1.1</SERVER_1>
    <SERVER_2>192.168.1.2</SERVER_2>
  </WebServer>
  <RelayServer>
    <SPROrDMZ>1</SPROrDMZ><!-- SPR = 0, DMZ-SPR = 1 -->
    <SSLAvaliable>1</SSLAvaliable>
    <PortNumber>443</PortNumber>
    <SERVER_1>192.10.15.1</SERVER_1>
    <SERVER_2>192.19.15.2</SERVER_2>
  </RelayServer>
</LaunchpadSettings>
```

The bold and italicized parameters are the configurable parameters in the config file.

A TSE admin may edit the sample config file available (PCMConfig.zip) in \Depot directory of TSE web server. Extract & edit the PCMConfig.xml using notepad to create a custom config file for one's TSE environment. Re-zip the edited version and put it back in the \Depot Web directory.

Configurable fall-back Web server for DMZ-SPR

In TSE 6.5 Propalms TSE Administrator can configure a fall back TSE Web server that the DMZ-SPR Server can communicate with in the event where the primary TSE Web server becomes unreachable. DMZ-SPR will automatically start communication with the fall back TSE Web server when the primary TSE Web server goes offline or becomes unreachable. The fall back TSE Web server IP address has to be manually configured on the DMZ-SPR server by creating a Registry key on the DMZ-SPR server under [HKLM-Software-NewMoonSystems-Canaveral-2.0.0.0\DMZConfig](#).



Key type=String

Key Name= Web Server IP1

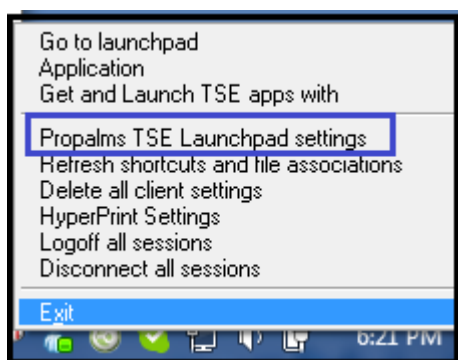
Value = "IP address or hostname of the alternate TSE WEB server"

Note: Ensure that the fall-back TSE Web server has the same Http port and SSL settings as the primary TSE WEB server. Also ensure that the necessary ports are open between the DMZ-SPR and the fall back TSE Web server.

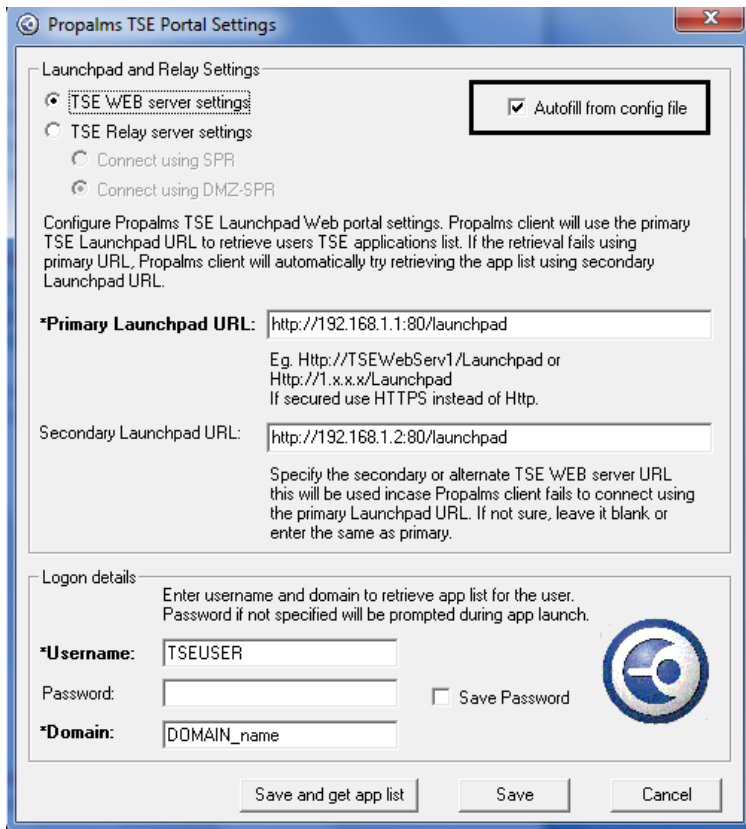
Browser less access to applications using Propalms client

Configurable Launchpad address and application launch from System Tray. A user may configure Propalms Launchpad settings and retrieve and launch applications without having to go the Launchpad Web page. User can also set the primary and secondary web server to use, based on site location. This eliminates the need to use a browser to retrieve TSE applications.

Once the Propalms Client, also known as Propalms Connection Manager (PCM), is installed a user can right click on the system tray icon and select [Propalms TSE Launchpad Settings](#).

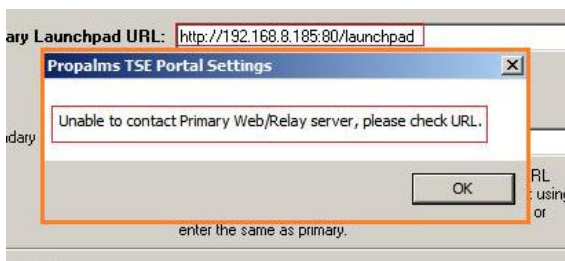


Enter the Propalms Web server Launchpad portal and user settings OR use the AutoFill from config check box to read info from the PCMConfig file. Read the previous section for detailed information on PCM Config file.

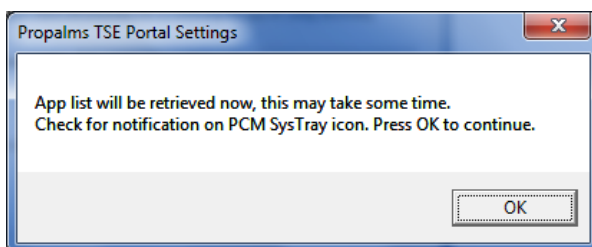


Note: if the PCMConfig file also has SPR or DMZ-SPR settings included these settings will also be saved when configuring Web server details.

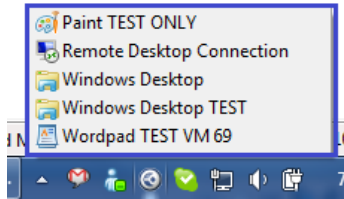
After entering the settings, a user may either want to just save the settings or save & retrieve the TSE app list to start launching the published Apps. On clicking **Save and Get App List** a user will be given a confirmation message seeking time to retrieve the app list. If the Primary Web server is not reachable the following error will be shown.



If the Primary web server info is correct and is reachable this confirmation message will be shown.



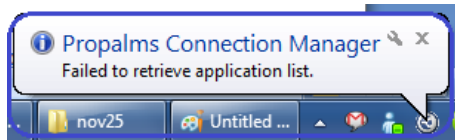
Click OK to Continue, if the provided Web server and User settings are correct, the app list will be retrieved and displayed in the System Tray area. User can click on it to start launching the apps.



Note: Once the app list is retrieved, a user can access the app list any number of times using normal left mouse click on the PCM System tray icon.

If the User or Web server settings are incorrect an appropriate message will be displayed notifying the error to the user.

If Web server setting is incorrect or Web servers are not reachable.

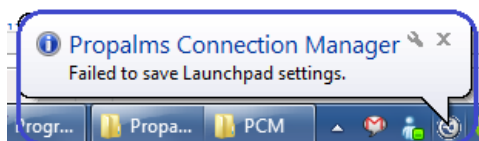


If user and domain info is incorrect the following message will be shown.

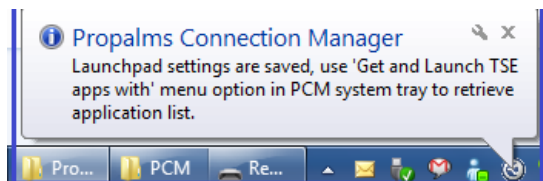


Note: If password is incorrect, the app list will still be retrieved but password will be prompted for during app launch.

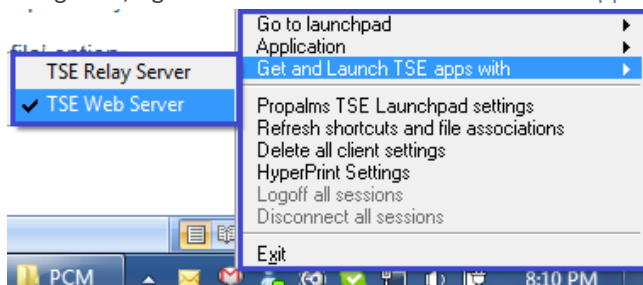
If the user selects on **Save**, the settings will be saved after confirming that the Web server info is correct. The following notification will be shown in case of incorrect Web server info or Web servers not reachable.



If server info is correct this message will be shown.



Using PCM, right click and select **Get and Launch TSE Apps with** menu to get the app list.

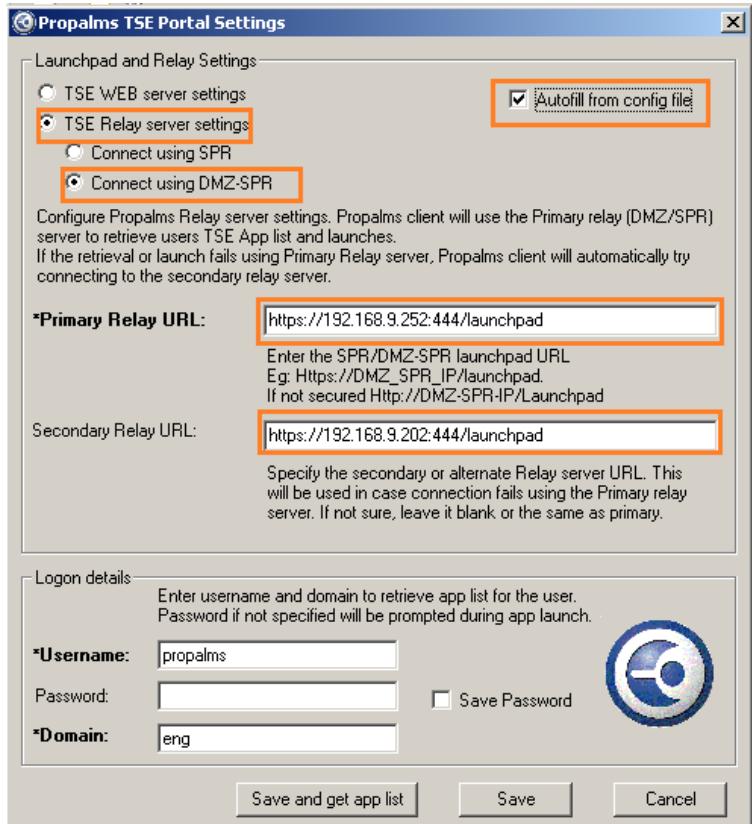


If SPR or DMZ-SPR is set up for accessing TSE apps for external users, TSE users may specify the SPR or DMZ-SPR info in [Propalms TSE Launchpad Settings](#) menu.

Select the [TSE Relay Server Settings](#) to configure the Relay server info.

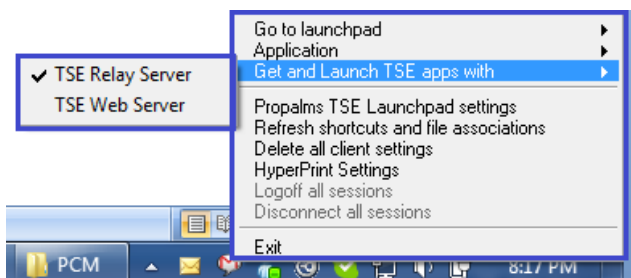
Check [Connect using SPR](#) or [Connect using DMZ-SPR](#) if using SPR or DMZ-SPR respectively.

The settings can also be read from the PCMConfig file using the [Auto Fill from Config file](#) option.



Other options remain the same for saving and launching Apps via Relay server as discussed for Web server. Once WEB and Relay server settings are configured, a TSE user who needs access to TSE apps from within and outside the office network can simply switch between using the Web server and Relay server settings for retrieving and launching apps.

Right click on PCM and mouse over to [Get and launch TSE Apps with](#) and select the access mode depending on whether one wishes to connect via Web server or Relay server.



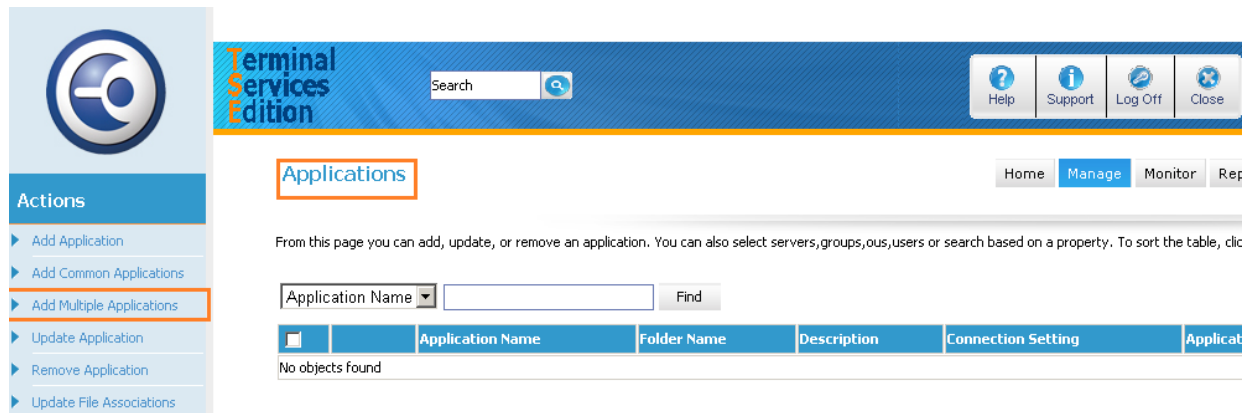
The check box shows the current setting selected.

NOTE: When Relay server is selected as mode of access, all app launches will be forced over SPR or DMZ-SPR, even if they are not turned ON in the respective TSE Connection setting for the app launched.

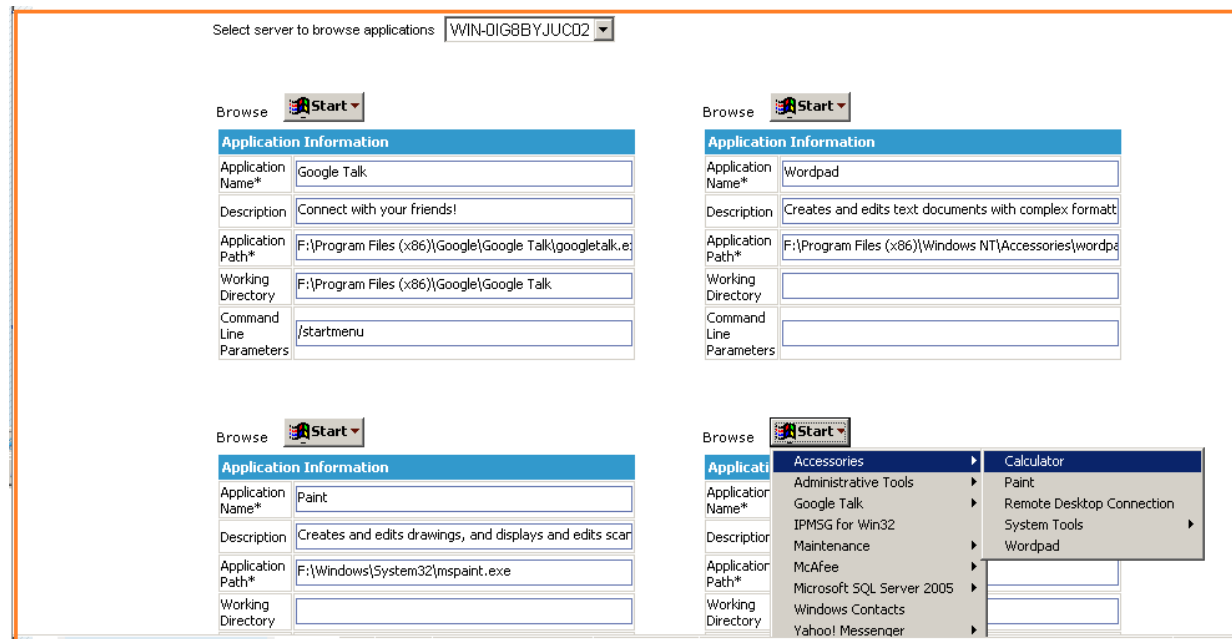
Publish multiple applications simultaneously

Allow publishing multiple applications simultaneously with identical settings. Up to 6 applications can be configured at a time and published to users saving Administrative effort.

A new option under [Manage-Applications-Actions](#) page is available.



This will bring up the Add Multiple Apps page as seen in screen shot. Use the Start buttons to browse to the apps to be published; there are 6 start browse buttons available.



If you need to add only 3 Apps, you may do so leaving the other Browse forms empty and moving to the next page; the following sequence remains same as when adding a single application. On the last page before adding the apps, a Summary page will be shown displaying the information of the apps being added.

Application Information		Application Information	
Application Name	Google Talk	Application Name	Wordpad
Description	Connect with your friends!	Description	Creates and edits text documents with complex formatting.
Application Path	F:\Program Files (x86)\Google\Google Talk\googletalk.exe	Application Path	F:\Program Files (x86)\Windows NT\Accessories\wordpad.exe
Working Directory	F:\Program Files (x86)\Google\Google Talk	Working Directory	
Command Line Parameters	/startmenu	Command Line Parameters	

Application Information		Application Information	
Application Name	Paint	Application Name	Calculator
Description	Creates and edits drawings, and displays and edits scanned photos.	Description	Performs basic arithmetic tasks with an on-screen calculator.
Application Path	F:\Windows\System32\mspaint.exe	Application Path	F:\Windows\System32\calc.exe
Working Directory		Working Directory	
Command Line Parameters		Command Line Parameters	

Click on ADD to submit the changes and all the chosen apps will be added and made available for publishing.

Note: As multiple apps are being added, they will be added with identical settings like desktop shortcuts, Connection Settings and others. After the apps are added, they can be individually edited to have custom settings.

Publish Common Applications with single click

Predefined single click publishing of common applications such as Microsoft Office, Windows Explorer, Control Panel Applets etc...

A new Action menu [Add Common Applications](#) is available on the [Manage-Applications](#) page of TSE Console.

The screenshot shows the Terminal Services Edition console interface. On the left, there is a navigation pane with an 'Actions' menu. The 'Add Common Applications' option is highlighted with an orange border. The main content area is titled 'Applications' and includes a search bar, navigation tabs (Home, Manage, Monitor, Report), and a search form for applications.

An editable xml file on the Web server is read to populate the Common application list. This file can be re-used at multiple TSE locations to quickly add common set of applications. The file [NMCommonApplications.en-us.xml](#) is located in `\inetpub\wwwroot\Console` directory.

TSE Admin may edit this file and keep handy a list of most commonly or important published apps for other TSE implementations or for quick re-publishing of critical apps in case of TSE reinstall or disaster recovery. Crucial time can be saved in quickly publishing the apps using the config xml file.

Add Common Applications

Home **Manage** Monitor Reports Options ?

Select the applications from list to publish.

<input type="checkbox"/>	Application Name	Description	Application Path
<input checked="" type="checkbox"/>	NotePad	Text Editor	C:\Windows\notepad.exe
<input checked="" type="checkbox"/>	WordPad	Rich text editor to add text file	C:\Program Files\Windows NT\Accessori
<input checked="" type="checkbox"/>	Paint	Useful for drawing and editing images ar	C:\WINDOWS\system32\mspaint.exe

Next > Cancel

Application Information	
Start Menu Location {Start}\Programs}\...	
Application Status	Enabled

Note: In the above screen shot, Notepad, WordPad and Paint are the predefined apps in the NMCommonApplication.xml

Select the apps from the list to be added and go through ADD app sequence as done with single apps. A summary page will be shown before submitting the changes for adding.

Add Common Applications

Home **Manage** Monitor Reports Options ?

Review the application information below. To make changes, click Back. To add the application, click Add.

Application Information	
Application Name	NotePad, WordPad, Paint
Start Menu Location {Start}\Programs}\...	
Application Status	Enabled
New folder to create	
Selected folder	None

Launch Settings	
Connection Setting	Unspecified

Click ADD to submit changes. The apps will be added and made available for publishing.

Note: As multiple apps are being added, they will be added with identical settings like desktop shortcuts, Connection Setting and others. After the apps are added, they can be individually edited to have custom settings.

Sample of the xml file [NMCommonApplications.en.us.xml](#). Edit it to add more apps and keep a copy handy to be re-used at a later time for other TSE installations or TSE re-install.

```
<nm-commonapplications xmlns:msxsl="urn:schemas-microsoft-com:xslt" xmlns:newmoon="http://newmoon.com/transformer">
<nm-application ID="APP1">
  <DisplayName>NotePad</DisplayName>
  <Description>Text Editor</Description>
  <ApplicationPath>C: | Windows | notepad.exe</ApplicationPath>
</nm-application>
<nm-application ID="APP2">
  <DisplayName>WordPad</DisplayName>
  <Description>Rich text editor to add text file</Description>
  <ApplicationPath>C: | Program Files | Windows NT | Accessories | wordpad.exe</ApplicationPath>
</nm-application>
```

```

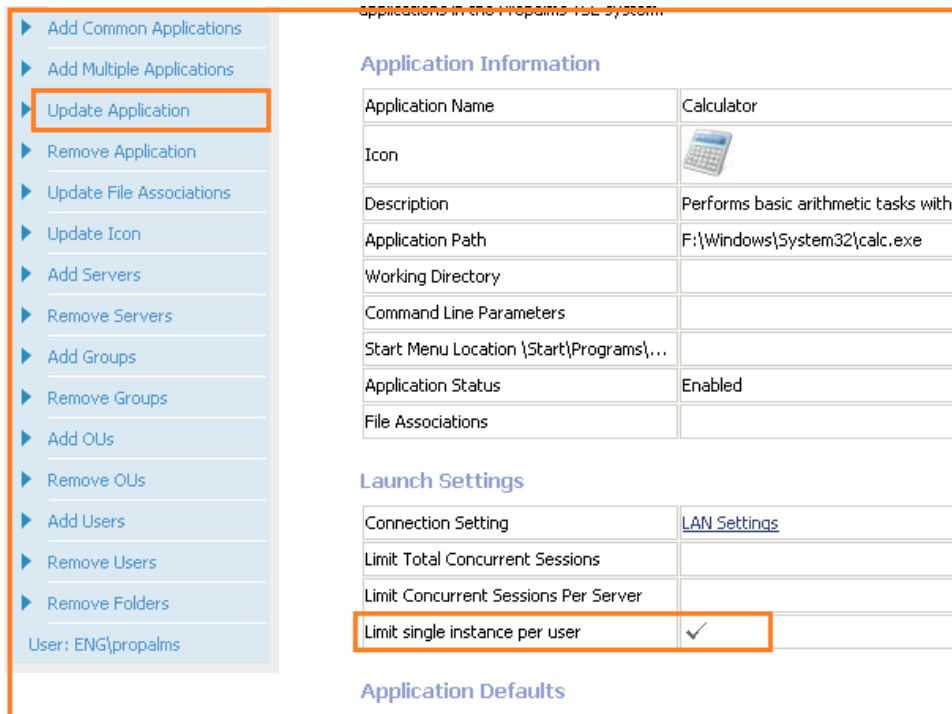
<nm-application ID="APP3">
  <DisplayName>Paint</DisplayName>
  <Description>Useful for drawing and editing images and pictures</Description>
  <ApplicationPath>C:|WINDOWS|system32|mspaint.exe</ApplicationPath>
</nm-application>
</nm-commonapplications>

```

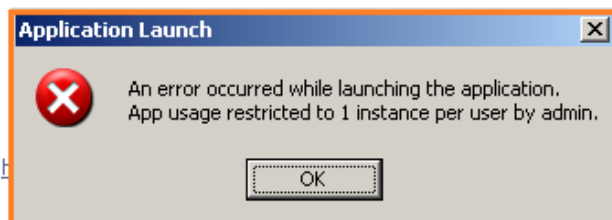
The bold and italicized parameters are the configurable parameters in the config file.
 To add a new app simply add a new set of <nm-application ID= "App4"></nm-application>

Allow Single instance of Application launch per User

This feature allows TSE admin to restrict users to launch single instance of published app. This feature can be turned on for each app from the [Manage-Applications-Update Application](#) page.



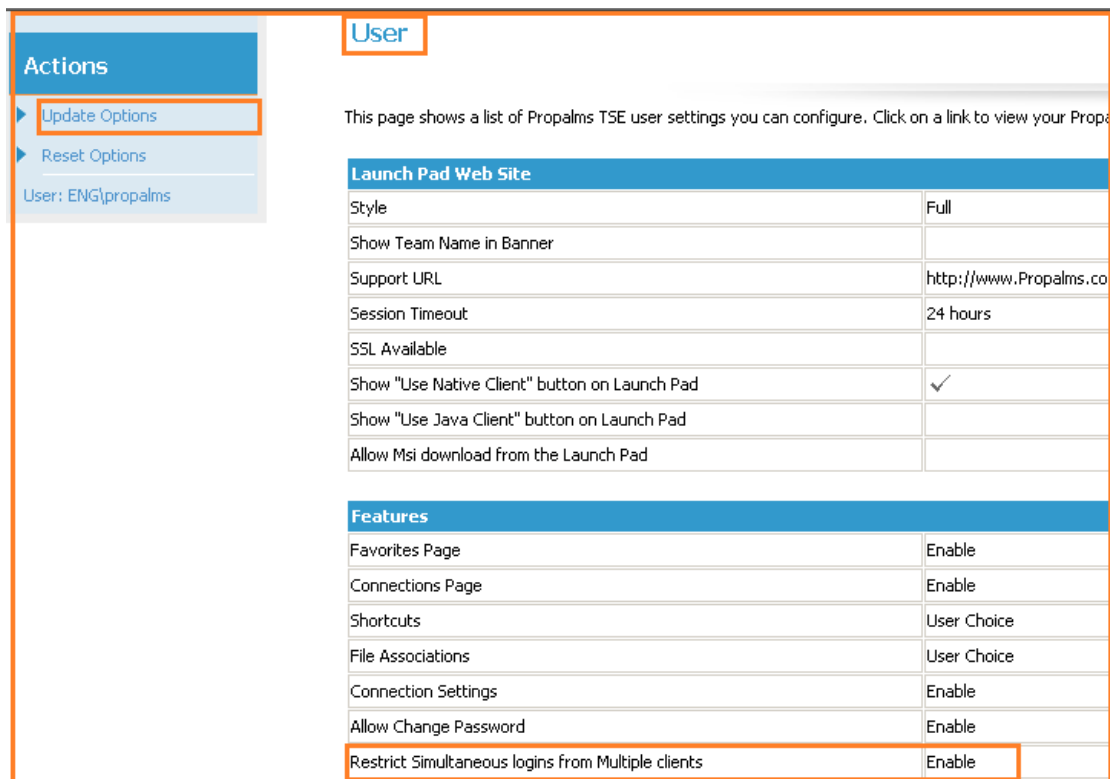
With this restriction on, a user trying to launch a 2nd instance of the app will be shown the following error.



Disallow simultaneous logon from multiple clients with same user name

With this setting, TSE admin can restrict a user from launching apps simultaneously from multiple clients. This will prevent users from opening sessions on multiple clients without closing the initial session. It will also help in preventing sharing of user names for accessing TSE apps from multiple client machines.

This setting is a Global setting and once enabled, applies to all TSE users and Client machines. It is enabled from [TSE Console-Options-User](#) page.

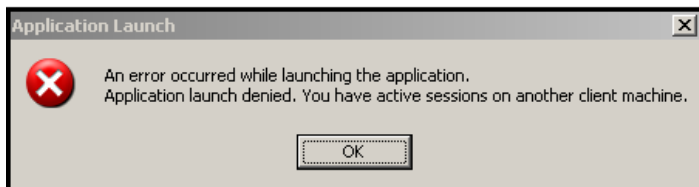


The screenshot shows the 'User' configuration page in the TSE console. On the left, there is a sidebar with 'Actions' including 'Update Options' (highlighted), 'Reset Options', and 'User: ENG\propalms'. The main content area is titled 'User' and contains a table of settings. The 'Restrict Simultaneous logins from Multiple clients' setting is highlighted with a red box and is set to 'Enable'.

Launch Pad Web Site	
Style	Full
Show Team Name in Banner	
Support URL	http://www.Propalms.com
Session Timeout	24 hours
SSL Available	
Show "Use Native Client" button on Launch Pad	<input checked="" type="checkbox"/>
Show "Use Java Client" button on Launch Pad	
Allow Msi download from the Launch Pad	

Features	
Favorites Page	Enable
Connections Page	Enable
Shortcuts	User Choice
File Associations	User Choice
Connection Settings	Enable
Allow Change Password	Enable
Restrict Simultaneous logins from Multiple clients	Enable

With this restriction ON, a user trying to launch an app from a 2nd client machine while having an active session running on the 1st client machine will be shown the following message.



Set maximum TSE Session limit on TSE App servers to prevent session overload

TSE Admin can set a maximum limit for TSE sessions on each TSE App server. Once the maximum session limit is reached, TSE LoadBalancer will no longer send App launch requests to that TSE App server. This will prevent overloading of TSE servers and also facilitate better distribution of sessions across online App servers. This limit can be set in [Manage-Servers-Update Server](#) page of each application server.

The screenshot shows the 'Update Server' page in the TSE Admin console. The left sidebar contains a menu with 'Update Server' highlighted. The main content area shows the following information:

applications or view all servers in the Propalms TSE team.

Server Information

Server Name	WIN-01G8BYJUC02
Description	Propalms TSE Setup
Published Address	
Traffic On Published Address is Forwarded to this Address	
Internal Address to Use	192.168.8.185
Disable Best Internal Address Discovery	

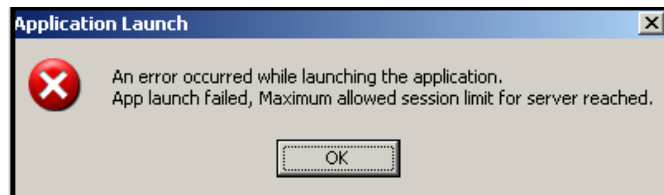
Server Roles

Role	Running Status
Load Balancer Server	Running
Application Server	Running
Web Server	Running

Application Server Information

Server Type	Windows 2008 Server
Server Lockdown Policy	No Restrictions
Terminal server's listening port	3389
Maximum Allowed TSE Sessions	10
Install Vendor Drivers	✓

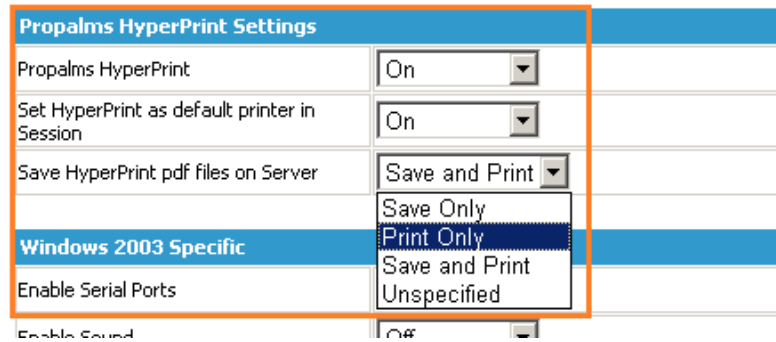
In the above screen shot a limit of 10 TSE sessions is set for the server. For unlimited sessions keep set the value to -1 or any negative value. In the event there is no App server available to serve the App launch request after a particular server has reached its TSE Session limit, the following error will be shown to users.



Note: The TSE session limit accounts for Active and Disconnected sessions running on the TSE server.

New Propalms HyperPrint options available in Connection Settings

In TSE 6.5 a new section is available in Connection settings template called [Propalms HyperPrint Settings](#). As already known, Propalms HyperPrint is a pdf based printing solution offered by Propalms TSE. With these new options, TSE Admin can better control the use of HyperPrint by users.



Enable/Disable HyperPrint Printer for users from Connection setting

Setting the Propalms HyperPrint to OFF in connection settings will hide the HyperPrint printer from users in their TSE sessions. By default it is kept ON.

Note: If users launch two TSE apps with different connection settings and having HyperPrint setting OFF in one and ON in the other the HyperPrint setting of the 1st launched app will also apply to the other TSE app session.

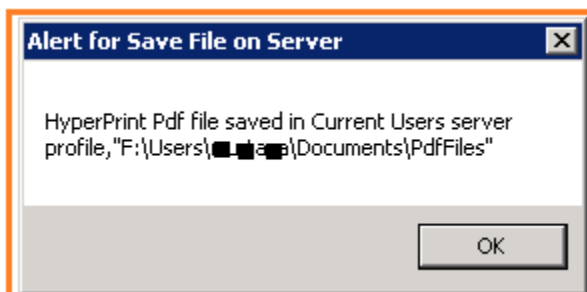
Force HyperPrint Printer as default printer

TSE Admin can force the Propalms HyperPrint printer as the default printer for TSE user session.

Save and Print options for HyperPrint pdf files

As HyperPrint is PDF based, i.e. it converts a print job into pdf format for printing, with the Save and Print options in connection settings admin can decide if the HyperPrint pdf file should be saved on server or sent directly for printing to client machine or do both.

Save Only: It will only save the HyperPrint PDF file in current users profile on the APP server under the Documents/PdfFiles folder, it won't forward it to Client machine for printing. It will give a confirmation message when the file is saved.



The **Save only** option should be used where TSE users need to save a copy of printed data for backup, reference or compliance. The save option can also be used for offline printing, WEB enabled printers that are accessible from TSE App servers or as a 'print to File' option.

Print Only: This will send the HyperPrint PDF file to client for printing without saving a copy on the TSE App server or Users Server profile.

Save and Print: This will save the file in Users server profile as well as send the pdf file down to client for printing.

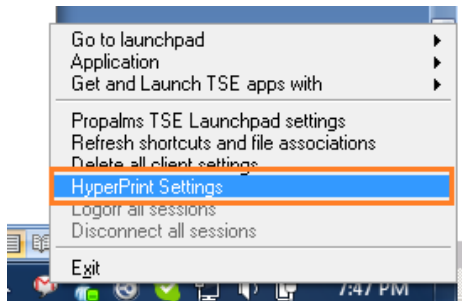
New Propalms HyperPrint client side print options

In the previous section we discussed the new HyperPrint options available to control HyperPrint environment on TSE APP servers. There are also new options available on the Propalms Client side for HyperPrint.

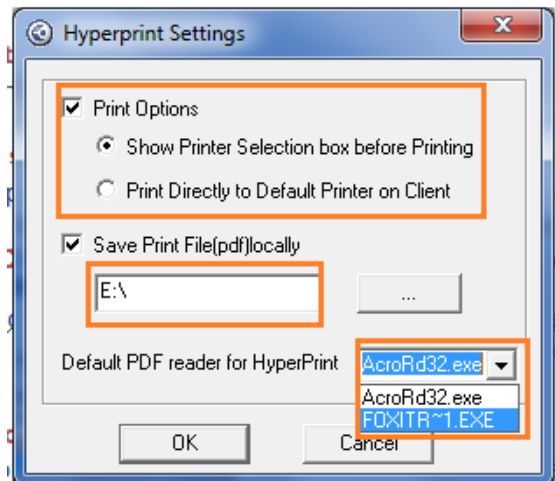
HyperPrint client side print options

- Print directly to default printer on client
- Ability to select and set the pdf reader software to use with HyperPrint
- Ability to choose and save HyperPrint pdf files on client machine for offline printing.

In Propalms Client (Propalms Connection Manager) system tray right click menu, a new menu is available called **HyperPrint settings**.

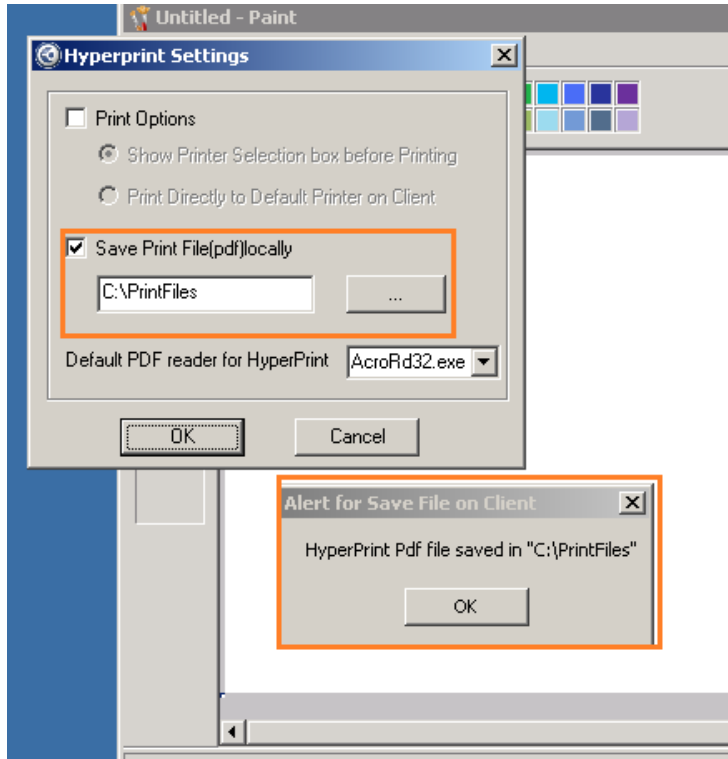


It will open the HyperPrint menu where TSE user can set his/her preferences for HyperPrint. These settings are retained until TSE user changes it.



For printing to happen, [Print Options](#) should be checked. User can choose between sending the print job directly to the default printer on client for printing or have printer selection box shown to select the printer. When choosing the [Show Printer Selection Box before printing](#) the pdf reader selected in the [Default PDF reader for HyperPrint](#) will be used to open the PDF file and printer selection box.

TSE users can also Save the HyperPrint pdf file on their client machine for offline printing, backup or compliance purposes. User can choose the location to save the files and a confirmation message will be shown when HyperPrint pdf file is saved on the client machine at the chosen location.



In TSE 6.5 Propalms HyperPrint supports other PDF reader applications like NitroPDF and Foxit on the client machine. The installed PDF reader applications are programmatically enumerated in the HyperPrint client settings menu and TSE user can set the Default PDF reader for use with HyperPrint using the dropdown menu.

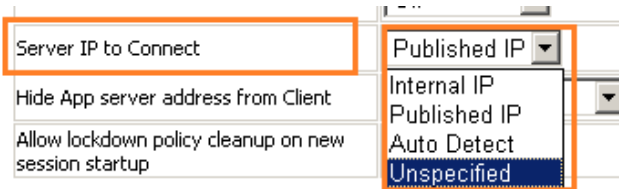
Note: There are many PDF readers available for use. All have not been tested but most of them should work with Propalms HyperPrint.

Return Internal or External IP to connect

A new setting is available in the Connection Setting template under Propalms TSE features called [Server IP to Connect](#). This feature can be used by TSE Admin to force or direct Propalms client to connect using TSE App servers Internal or Published IP when launching TSE Apps.

Propalms TSE Features	
Seamless Windows	Except during logon
Launch in Existing Connections	If available
Reconnect	On
Enable Single Port Relay	Off
Enable DMZ Single Port Relay	Off
Logoff Disconnected Connections	Never
Logoff Idle Connections	Never
Install Printers Asynchronously	On
TSE File Saving and Printing Encryption	On
Enable Proxy Server for RDP Traffic	Off
Printer Naming Scheme (for Propalms TSE Printing only)	Default TSE scheme (Printer
Multiple Monitor Support	Off
Session Recording	Off
Virtual IP	Off
Server IP to Connect	Published IP
Hide App server address from Client	Off
Allow lockdown policy cleanup on new	Off

The configurable options are.



Published IP: If a published IP/address is configured in TSE Console for a TSE App server, Propalms client will be forced to connect to the App server using its Published Address/IP. If **Published IP** is not specified in Console for the App server and if **Server IP to Connect** is set to **Published IP** in Connection settings, client will then default to using the internal IP of App server.

Internal IP: Propalms client will use TSE App servers internal IP to connect to server for app launch.

Auto Detect: Here intelligent detection is done to decide whether the connecting client is Internal or External to TSE Server's network. Based on this result the client will use the Internal or Published IP of App server to connect.

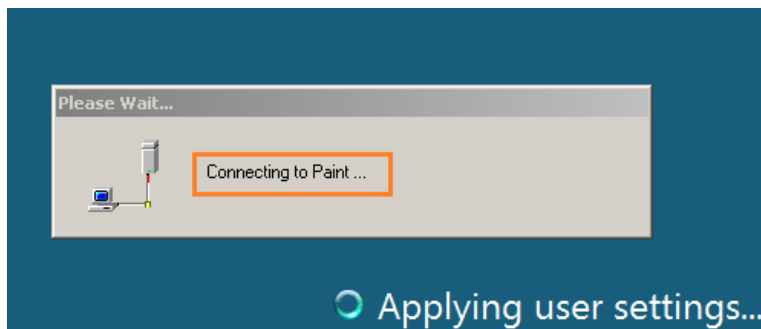
Note: *Auto Detect should be used only when TSE App servers are set up for Internal and Public access without using TSE SPR or DMZ-SPR and there are common set of users accessing TSE Apps internally as well as externally.*

Hide App server IP address during App launch

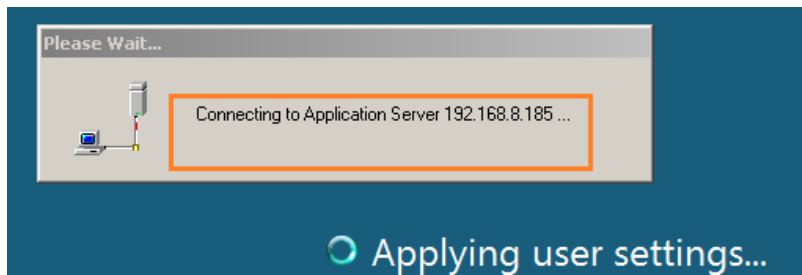
For security reasons, if TSE admin wants to mask the IP address of the TSE App server, this new setting [Hide App Server Address from Client](#) can be used . This setting is available from Propalms Connection settings template.

Personal Recording	On
Virtual IP	Off
Server IP to Connect	Unspecified
Hide App server address from Client	Unspecified
Allow lockdown policy cleanup on new session startup	Display App Name Off Unspecified

Display App Name: Shows App name instead of IP address of connecting server.



Off: Will show IP address of the App server or Relay server if connecting via DMZ-SPR.



Removal of User Lockdown when Server Lockdown is removed for TSE APP server

TSE Admin can enable Propalms Server Lockdown Policies on TSE App servers in order secure Users Windows desktop sessions. When Propalms Server lockdown is disabled on TSE App servers, some users at times still have the lockdown enforced in their Windows Desktop session. This is caused by non-removal of lockdown in their previous session logoff. To remove this residual lockdown, TSE admin can enable this new setting, [Allow Lockdown Policy Clean-up on new session Start-up](#) in Propalms Connection setting. This will force the clean-up of lockdown settings in the users profile when they begin a new session. This clean-up will only remove Propalms forced lockdown policies. It won't have any effect on restriction policies set through Domain or Local server security policies.

Hide App server address from Client	Off
Allow lockdown policy cleanup on new session startup	Off

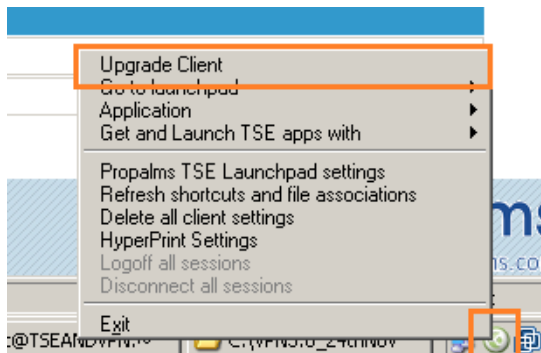
TSE Client Upgrade, forced or optional when a newer client version is available

As and when newer Propalms Clients are available, TSE Admin may need to either force existing client machines to upgrade to latest Propalms client or give a notification to users that a newer Propalms client version is available for download. To facilitate this TSE Admin can set the Current Propalms Client version available in Propalms TSE Management Console under [Options-Users-Client Upgrade](#) section [Available Client version to Upgrade](#).

For example when PCM version 6.5.1.0 is available, put the PCM version in the [Available Client Version to upgrade](#) field.

Client Upgrade	
Force Client Upgrade	<input checked="" type="checkbox"/>
Available Client Version to upgrade:	6.5.1.0

If [Force Client Upgrade](#) is checked, all Propalms Clients below the listed version will be forced to download and upgrade the Propalms Client software. If not they will only see an [Upgrade Client](#) option in their PCM system tray right-click menu and PCM system tray icon will change its color to pale green from its usual Blue color.



Note: TSE Admin will have to manually replace the latest Propalms Client install files(msi & exe) on the Propalms Web server \Depot directory with the latest Client install files , keeping the file name same as the original one.

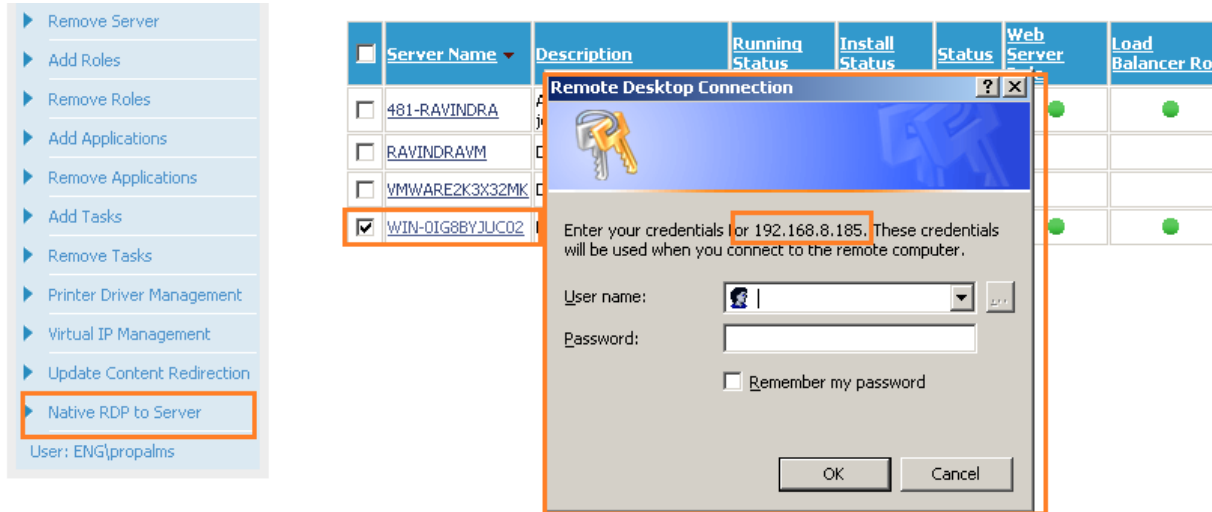
Monitor - Connection page enhancement

The TSE Console-Monitor-Connections page has a small enhancement made which now also shows the Idle and Disconnected session time statistics, similar to that shown on TS Admin mmc on TS server.

<input type="checkbox"/>	Logon Name	Session State	Application Name	Server Name	Server Address	Client Name	Client Address	Client Public Address	Client Type	Time Started	TSE Session ID	Idle Time
<input type="checkbox"/>	ENGIpropalms	Active	Paint	WIN-01G8BYJUC02	192.168.8.185	VM2k3X32MK1.eng.alohatechnology.com	192.168.9.11	192.168.9.11	Propalms TSE Client	Thursday, December 02 2010, 06:04:00 PM	3	5

Direct RDP to server from Console-Manage-Server page

TSE Admins can connect via RDP to all their TSE servers from [Manage-Servers](#) page in console. Simply select the server to connect to on the [Manage-Server](#) page and in the Actions Menu click on [Connect via native RDP](#). This will launch an RDP connection to the selected server. Admin can select as many servers as needed from the Server list and start a RDP connection to all simultaneously.



Logoff option added on Launchpad and Console Web page

A new Log-off option is now available on TSE Launchpad and TSE Console page apart from the original 'Close' option. Logoff will ensure deletion of all browser session cookies and cache ensuring a clean Logon the next time.



Launchpad: When the user or administrator performs this action then the web session and any applications open will be logged off.

Console: When the administrator logs off, all of the web session data will be deleted and there will be no cached logons.

Added support for .pdf in Content Redirection

In TSE 6.5, Content Redirection has been extended to .pdf based files. With this feature enabled, a .pdf file clicked within a TSE session will be opened using local pdf reader available on the client machine.

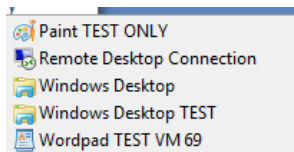
New Windows Explorer and TS policies in Propalms Server lockdown

Propalms Lockdown policies have been added with newer TS and Windows explorer policies available for Windows 2008 TS. The new policies that are only available on 2008 will not work on TSE 2003 servers. The list of new Policies added is as shown.

Server. (Disable Direct RDP Sessions)	✓	Disconnect Network Drive.	
Automatic reconnection.	✓	Remove Security Tab.	✓
Configure keep-alive connection interval.	✓	Hides the Manage item on the Windows Explorer shortcut menu.	✓
Do not allow Clipboard redirection.	✓	Turn off Windows + X hotkeys.	✓
Use Remote Desktop Easy Print printer driver first.	✓	Remove pinned programs list from Start Menu.	✓
Redirect only the default client printer.	✓	Remove programs on Setting menu.	✓
Enforce Removal of Remote Desktop Wallpaper.	✓	Remove Drag-and-Drop shortcut menus on Start Menu.	✓
Remove "Disconnect" option from Shut Down dialog.	✓	Add Logoff to Start Menu.	✓
Remove Windows Security item from Start menu.	✓	Remove and prevent access to Shut Down command.	✓
Search: Disable Find Files via F3 within the browser.	✓	Remove access to the shortcut menus for the taskbar.	✓
Hide Favorites menu.	✓	Force Classic Start Menu.	✓
Remove Map Network Drive and Disconnect Network Drive.	✓	Remove Add or Remove Programs.	✓
Remove Security Tab.	✓	Prevent addition of printers.	✓
		Remove Lock Computer.	✓

High quality images for Application Desktop and Start Menu shortcuts

In TSE 6.5 sharper and better quality images are extracted for creating application Desktop and Start Menu shortcuts.



New Console UI, Color scheme and Style

In TSE 6.5 a new look and feel has been given to the Console and Launchpad Web interface for a fresher look, better readability and ease of access.

The screenshot shows the Terminal Services Edition console interface. On the left is a vertical 'Actions' menu with options like 'Add Application', 'Update Application', and 'Remove Application'. The main area is titled 'Applications' and contains a search bar, a table of installed applications, and navigation buttons (Home, Manage, Monitor, Reports, Options). The table lists applications like Calculator, Paint, Remote Desktop Connection, and Wordpad.

Application Name	Folder Name	Description	Connection Setting	Application Status
Calculator	None	Performs basic arithmetic tasks with an on-screen calculator.	Unspecified	Enabled
Paint	None	Creates and edits drawings, and displays and edits scanned photos.	Unspecified	Enabled
Remote Desktop Connection	None	Use your computer to connect to a computer that is located elsewhere and run programs or access files.	Unspecified	Enabled
Wordpad	None	Creates and edits text documents with complex formatting.	Unspecified	Enabled

Easy navigation between Console Dashboard and Console Summary page

Easy to use hyperlink buttons are available to switch between the graphical and statistical representation of TSE system info in TSE Management Console - Home and Dashboard page.

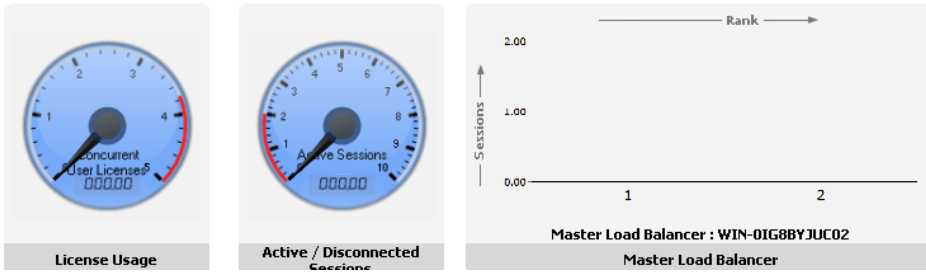
The screenshot shows the 'TSE Summary Page' with navigation buttons (Home, Manage, Monitor, Reports, Options) and a 'TSE Dashboard' button highlighted with an orange border. Below the navigation is a welcome message and a table of system issues.

Issue	Solution	Help
Product key will expire in 29 days	Add a new product key	?

System	Description	Current Status	Help
Product Key Limit	Maximum number of concurrent users	5	?
LB Scheme	Load Balancing Scheme Currently used	Resource Based (Default)	?
Connections	Connections currently running	0	?
Concurrent User Licenses	Number of Propalms TSE Licenses currently used	0	?
Audit Log	Changes made to the system	Last change on Thursday, December 02 2010, 07:48:18 PM	?

Detail Summary Page

Welcome. This page shows a graphical snapshot of the "Propalms TSE Team". You can use this to monitor and navigate to the most common areas of the system.



TSE Admin can set the Console Home Page

TSE admin can set the default home page for the Console site on Logon. It can be set under [Options-Administrator](#) page. On Console login the default Homepage can now be set to either of the following options:

- Home- Dashboard
- Home-Summary
- Manage-Servers
- Monitor-Connection
- Monitor-LoadBalancer page

Update Administrator Options

From this page you can update the administrator settings.

Update Cancel

Console Web Site	
Session Timeout	24 hours
Page Row Count	20
Page Refresh (in seconds)	5
SSL Available	<input type="checkbox"/>
TSE Console HomePage	TSE Dashboard
Propalms TSE Administrator Group	
Propalms TSE Administrator Group	
Domain	

TSE Console shows the Hotfix version

Admins managing the Propalms TSE environment need to know or update in TSE Console the latest patches and hot fix version applied to the TSE servers. TSE admin can enter the hot fix patch version applied to the TSE server in [Options-System](#) page. This will then be displayed in the [Home-About](#) page for other TSE Admins who wish to check the latest Hot fix patch installed on the TSE servers.

From this page, you can update or reset the system configuration or download the Propalms TSE system information.

Propalms TSE Team

Name	Propalms TSE Team
Description	Propalms TSE on WIN-0IG8BYJUC02
Current HotFix Version	hot fix SR1 v 6.0

Home Manage Monitor Reports Options ?



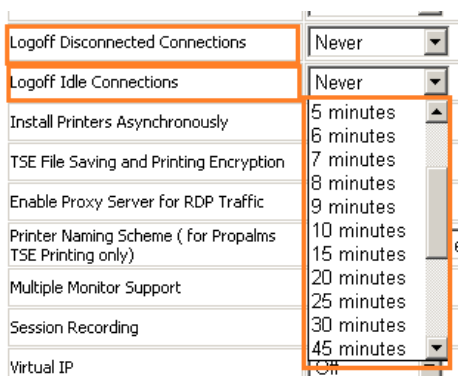
Propalms, Terminal Services Edition
 This product is registered to:
 Windows User
 Aloha
 Version: 6.5.0
HotFix Version: hot fix SR1 v 6.0
 Build: 1354

Technical Support:
www.support.propalms.com
 Local Sales Offices:
<http://www.propalms.com/contact/>

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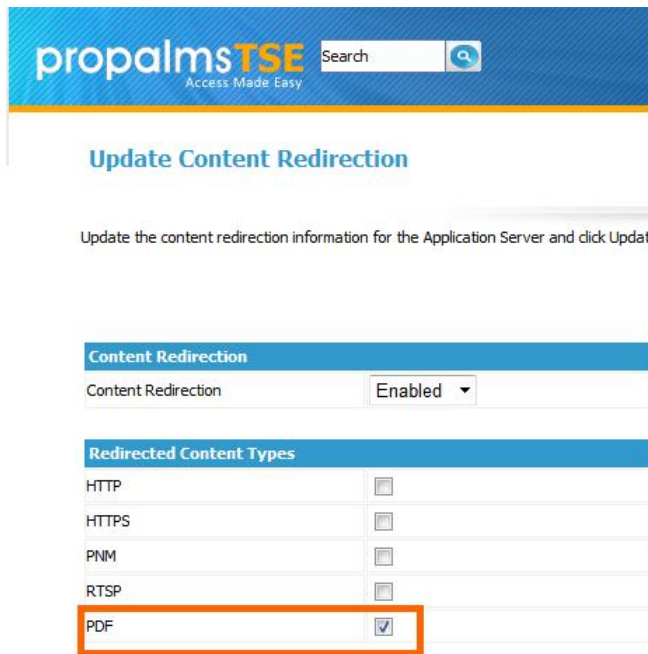
Smaller and larger values available for Disconnected, Session time out and Console page refresh rate

In connection settings, for Idle and Disconnect session timeout more values are made available for refined control. The same is made available for the Console page refresh rate in [Options-Administrator](#).



Added Support for PDF content redirection

In TSE 6.5, content redirection has been extended to .pdf based files. With this feature enabled, a .pdf file clicked within a TSE session will be opened using local pdf reader available on the client machine.



Redirected Content Types	
HTTP	<input type="checkbox"/>
HTTPS	<input type="checkbox"/>
PNM	<input type="checkbox"/>
RTSP	<input type="checkbox"/>
PDF	<input checked="" type="checkbox"/>

Control user access to TSE App list from PCM system tray icon

In 6.5 users app list is also accessible by clicking the PCM system tray icon. TSE admin can disable this from Console [Options-User](#) page. By default it is enabled.

Features	
Favorites Page	Enable
Connections Page	Enable
Shortcuts	User Choice
File Associations	User Choice
Connection Settings	Enable
Allow Change Password	Enable
Restrict Simultaneous logins from Multiple clients	Disable
Re-sort Client into Client Group on each connect	
Show App list in Client System Tray	Enable
Allow saving HyperPrint file on Client	Disable

Control users ability to configure 'Save HyperPrint PDF Files'

In TSE 6.5 Propalms client, a user can enable the option to save HyperPrint Pdf files on the client machine. By default this option is disabled through TSE Console. TSE admin can enable this, to allow users to save HyperPrint pdf files, on client machines.

Features	
Favorites Page	Enable
Connections Page	Enable
Shortcuts	User Choice
File Associations	User Choice
Connection Settings	Enable
Allow Change Password	Enable
Restrict Simultaneous logins from Multiple clients	Disable
Re-sort Client into Client Group on each connect	
Show App list in Client System Tray	Enable
Allow saving HyperPrint file on Client	Disable

New Performance Counters in Monitor-Load Balancer

The Monitor-LB page in TSE Console now also shows the % statistics of available server memory & CPU. This gives TSE Administrators a percentile representation of server resources. This is in line with the new LB scheme introduced, which ranks TSE App servers based on % availability of resources.

Load Balancer Home Manage **Monitor** Reports Options ?

This page displays the current load on each Application Server. To change the settings of the Load Balancer, go to the Options tab and select Load Balancer. To sort the table, click on a column heading.

Page: **1**

Servers	Running Status	Server Ranking	Load Balancer Server	Available Memory (MB)	Total Memory (MB)	Available Memory (%)	Available CPU Cycles (MHz)	Total CPU Cycles (MHz)	Available CPU (%)	Server Version	Number of Processors	Free Page Table Entries	Page Swaps per second	Context Switches per second	Process Queue Length
RAVINDRAVM	TRUE	2	WIN-G343S86FAQE	41 MB	403 MB	10 %	3859 MHz	5868 MHz	65 %	Windows 2008	2	387856	429	1194	1
WIN-G343S86FAQE	TRUE	1	WIN-G343S86FAQE	803 MB	2010 MB	39 %	3064 MHz	5866 MHz	52 %		2	33555149	1	1015	1

New System Tray Seamless Enhancement

With this new Seamless enhancement, published apps through TSE that create system tray icons when run (eg: Skype or GTalk) will be created in Clients system tray, giving users the feel of the app being run locally. The system tray icon will also have all the app control menus available on it. By default this feature is disabled in Propalms TSE Connection settings.

Reconnect if connection is dropped	On
Enable Virtual Channel Client DLL's	On
Propalms TSE Features	
Seamless Windows	Except during logon
System Tray Seamless	Disable
Launch in Existing Connections	If available
Reconnect	On
Enable Single Port Relay	Off
Enable DMZ Single Port Relay	Off
Logoff Disconnected Connections	Never
Logoff Idle Connections	Never



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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