

Terminal
Services
Edition 6.0

HOTFIX ROLLUP PACKAGE 2 for Propalms TSE 6.0



1. INTRODUCTION

This Hotfix Package 2 (HRP2) installs all the previous (HRP1) and latest server-side hot fixes for TSE v6 (build 1252). At a later date, a new TSE v6 build will be released that would have the fixes in this package integrated. Please visit the Propalms Web site <http://www.propalms.com> for up to date information on the latest release build for v6.

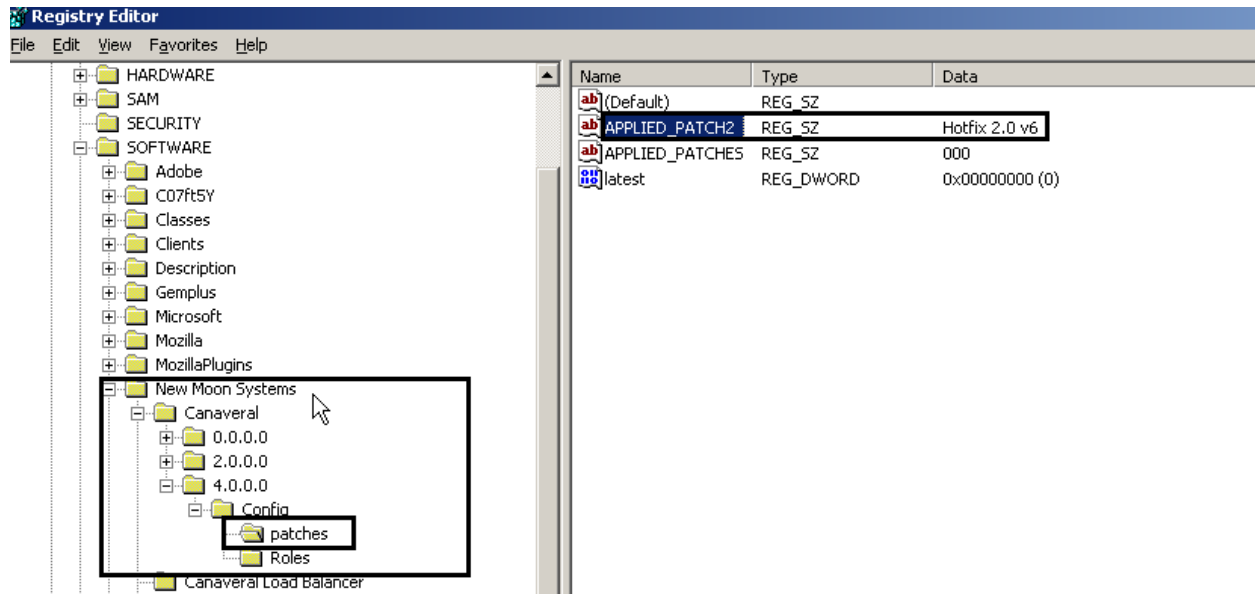
2. OVERVIEW

This Hot-fix installer should be run on every Propalms TSE Server running any of the below mentioned Propalms Roles:

- Web Role
- Load Balancer Role
- Application Role
- Virtual Desktop Role
- Single Port Relay (SPR)

The installer will detect the roles installed and apply the relevant hot fixes for the corresponding roles running on the Propalms TSE Server. The Hotfix installer can be run as many a times as needed, if the Propalms admin removes, adds or restores any of the aforementioned roles on the Propalms TSE server.

The admin can check the following Registry location on the Propalms TSE Server to find out if the Hotfix Rollup Package 2 has been implemented on the TSE server.



HKEY_LOCAL_MACHINE\SOFTWARE\New Moon Systems\Canaveral\4.0.0.0\Config\patches

For x64 systems the reg key will be,

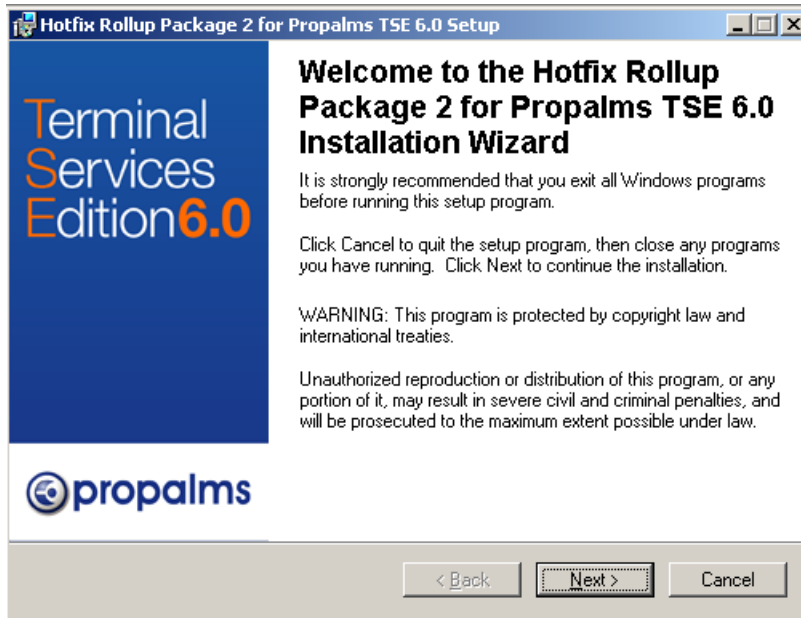
HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432node\New Moon Systems\Canaveral\4.0.0.0\Config\patches

3. INSTALLATION

- 1) Copy and extract the **PROPALMSTSE6-HRP2.zip** file at a suitable location on the TSE box.
- 2) Run either the **Propalms-TSE-6_0-HRP2.msi** or **.exe** to start the installer.

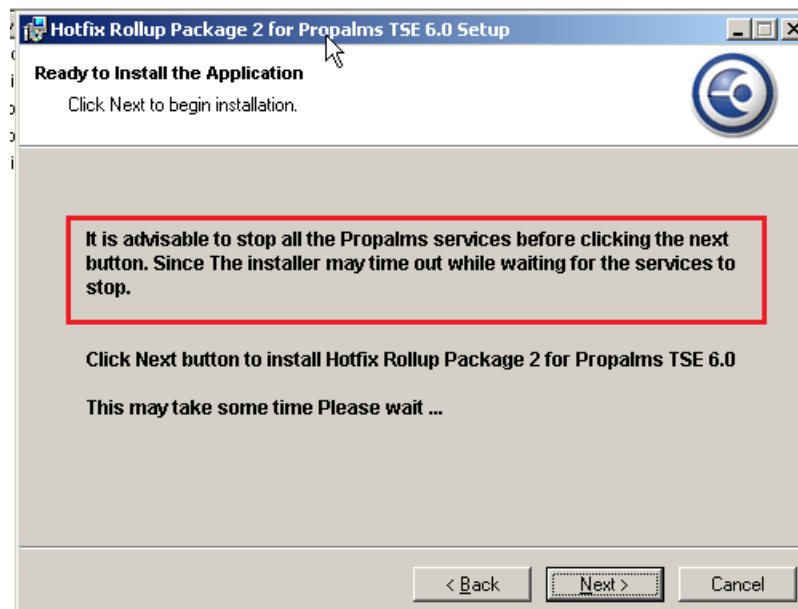
Note: The *PropalmsHyperPrint.msi* and the *PROPALMS-TSE-6_0-HRP2.ini* should be in the same folder as the .msi and .exe. So if copying the install files to other TSE servers, make sure to copy the entire folder.

- 3) The following screen should be displayed:

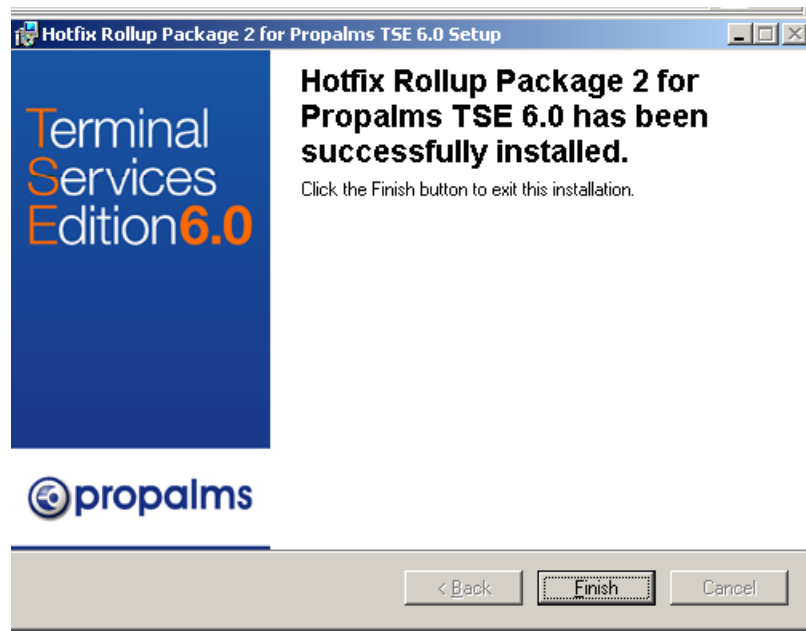


4) Click on Next and read the recommendation. It is a good practice to manually close down Propalms Services. At times the installer may time out if the services take a long time to close.

*** We highly recommend that you manually stop all Propalms services before continuing with the installation. If the services do not stop within the timeout period, the installer may not be able to replace certain files as they could be rendered as in-use. ***



5) On successful installation the following screen should be displayed:



Run the Hot Fix installer on all Propalms servers running WEB, LB, APP, SPR or VDI roles. The Hot Fix installer should NOT be run on DMZ-SPR.

Although a restart is not mandatory, rebooting the server is recommended post HRP2 install.

4. FAQ

Q) Can one install v6 Hotfix Roll-up Package 2.0 multiple times?

A) Yes, if a TSE admin removes, adds or Restores Propalms roles on a TSE Server, the Hotfix installer should be re-run for installing the relevant role fixes. Also run the Hotfix installer on any newly added TSE server to the team.

Q) Can one install HRP2 over HRP1 for v6?

A) Yes, you can install HRP2 over HRP1.

Q) If creating a new TSE v6 team or upgrading to TSE v6, should I install HRP1 and then HRP2?

A) No need to install HRP1, as HRP2 has all the fixes of HRP1 included. Directly install HRP2.

Q) What files are replaced as part of the Hotfix Rollup Package 2?

(File version for all replaced files is 1342, original version is 1252)

Web Server:

```
\Inetpub\wwwroot\Console\NMBrowser.js
\Inetpub\wwwroot\Console\NMPagedQuery.asp
\Inetpub\wwwroot\Console\NMSiteMapExtras.en-us.xml
\Inetpub\wwwroot\Console\Sitemap.en-us.xml
\Inetpub\wwwroot\Console\NMAction.asp
\Inetpub\wwwroot\Console\NMCommon.asp
\Inetpub\wwwroot\Console\NMSiteStyle.xsl

\Inetpub\wwwroot\Console\bin\PropalmUI.pdb
\Inetpub\wwwroot\Console\bin\PropalmUI.dll
\Inetpub\wwwroot\Console\bin\Interop.CULOGICLib.dll
\Inetpub\wwwroot\Console\bin\Interop.CUDATAACCESSLib.dll
\Inetpub\wwwroot\Console\bin\Super2d3dGraphLibrary.dll
\Inetpub\wwwroot\Console\bin\AquaGauge.dll

\Inetpub\wwwroot\Depot\JavaPadApplet.jar
\Inetpub\wwwroot\Depot\PropalmsHyperPrint.msi

\Inetpub\wwwroot\Launchpad\NMBrowser.js

Program Files\Common Files\Propalms\VDAssistant.dll
Program Files\Common Files\Propalms\DMZRelayServerAssistant.dll

Program Files\Propalms\CuSystem\CuLogic.Dll
```

App Server:

Program Files\Propalms\WTSServer\TSEApps.xml
Program Files\Propalms\WTSServer\NotificationServiceComponent.dll
Program Files\Propalms\WTSServer\NMTSEManager.dll
Program Files\Propalms\WTSServer\PostRunScript.vbs
Program Files\Propalms\WTSServer\PrintEventManager.dll

Program Files\Common Files\Propalms\ResourceUsageProvider.dll

\WINDOWS\system32\SeamHook.dll
\WINDOWS\system32\NMTseControl.exe
\WINDOWS\system32\VirtualIP.dll
\WINDOWS\system32\VirtualIPMgr.exe

Load Balancer:

Program Files\Propalms\LoadBalancer\LoadManager.dll
Program Files\Propalms\CuSystem\CuLogic.Dll

VD Server:

..\Program Files\Common Files\Propalms\ResourceUsageProvider.dll

Every Server running Propalms TSE Engine (With or without any TSE roles):

Program Files\Common Files\Propalms\CanavralDB.xml
Program Files\Common Files\Propalms\CuLogic.tlb
Program Files\Propalms\Installation Manager\RoleAgents.dll

5. BUGS FIXED IN HRP2:

1. VD role would not install after changing default install path i.e. Start Installation of v6.0 (Build 1252) on Win2K3/2K8
2. VD role would not install after restoring TSE team.
3. Propalms Console- Reports- Audit Log would show invalid object type for PDM (Printer Driver Management) related Logs.
4. Web link name was incorrect on Home > Getting Started Page. It shows "Summary" and on clicking it, takes the Admin to the Dashboard page. This is now fixed
5. Right click PCM client and select "Delete all client settings". If in the Desktop folder for the user profile, if there were no other files or shortcuts apart from TSE, it would delete the complete desktop folder and hence also would fail to re- create desktop shortcuts thereafter.
6. WMI issue with apps opened using batch file or out of Prog DCOM applications.
7. In TSE v6 HRP1, HyperPrint was not supported on x64 OS. HyperPrint Printer will be installed on x64 2003, 2008 APP servers with HRP2.
8. Console page would not open after changing default install path. i.e. Start Installation of v6.0 (Build 1252) on Win2K3/2K8 > during installation it asks for location to save installation files > It displays default path i.e. C:\Program Files\Propalms > so change that default path or folder name, ex. E:\Propalms or E:\TSE. Then continue the installation > after finishing installation, try opening Console/LaunchPad. This is now fixed.
9. Application would not launch through TSE launch or MS launch if an application server was x64 2008.
10. Session Recording and Shadowing the session both features would not work if an application server was x64 2008.
11. Correct Message was not shown during unsupported upgrade path. i.e. If you run release TSE 6.0 build on SGD 4.1. An appropriate message is now displayed.
12. X64 installation needed registering of MSADO25.tlb and CULogic.dll files.
13. NMTSEControl would be copied in incorrect directory for x64. It needs to be in system32 directory and not SysWow64
14. In 2008 x64, NMTSEControl would not be added to the TS Remote App programs list.
15. Incorrect Processor and CPU cycles reporting when App server were multi core and multi processor boards.
16. Shadowing would fail on upgraded farms from TSE v5 to TSE v6
17. Java Client would not work on TSE v6

18. User would receive “TSE System is not up and running” if during a switch of Master LB role , any of the online App server role failed to register with new Master LB.
19. In case of CPU, Memory or other resource values going below threshold level, the App server would remain in the false state even when the resource value came back above Threshold values.
20. HyperPrint would stop working if Debug program rights were removed for the Propalms TSE Identity account.
21. HyperPrint would not work if the printing user had a hyphen or dash in the username.
22. Propalms Virtual IP Management utility, would error out when adding Static Mappings for Clients.
23. Virtual IP feature was not working on x64 App servers. This is now supported but only with x32 Apps.

In addition to above fixes, all fixes part of HRP1 are also included in HRP2.

6. BUGS FIXED IN HRP1

- 1) Incorrect value shown by the Active/Disconnected sessions gauge on Propalms TSE Console - Dashboard page, when launching apps with different Connection settings.
- 2) Propalms HyperPrint printer would not print jobs sent in batches. Would only print the last spooled job in the batch set.
- 3) Propalms Console- Home –Summary – Concurrent User License page would not show navigation link to go to the next page, if concurrent users logged-in was more than 20.
- 4) Propalms Console- Reports- Audit Log would show invalid object type for Tasks related Logs.
- 5) Removing multiple TSE servers on Manage-Tasks page, for a defined Task would fail with an error.
- 6) Adding new TSE servers to an existing Task would remove the existing TSE servers from the Task list.
- 7) Continuous refresh of Propalms TSE Console Dashboard page would cause Memory leak on the Propalms Web server.
- 8) Propalms session reporting and Seamless windows feature would break if the application launched through Propalms was a DCOM app or an application that opened child processes and terminating the parent process that started them.

- 9) On a new TSE v6 team install, Synchronise Backup DB task would be enabled by default even if Backup DB was not configured in TSE. This would cause the scheduled task to fail.
- 10) Sorting Console-Reports-Session page on 'Still Active' would also list disconnected sessions.
- 11) Propalms License would not release in the event of a Virtual Machine (VD) launch failing.
- 12) On downloading reports for sessions in Console, the headings for the reports were mis-aligned in context to the information represented in the corresponding column.
- 13) In Propalms Console-Dash Board – Server Metrics gauge, server names would overlap each other if the server names were too long.
- 14) Monitor-Load Balancer page in Propalms console would report incorrect values for CPU cycles if the server was running Two Dual Core processors.
- 15) A TSE Server Diagnose test on a newly installed TSE 6 web server would always show the settings test fail with error "Default Document not properly set in Console Virtual Directory"
- 16) HyperPrint Printer would stop printing with the message "Document is printing, please wait"
- 17) In TSE v6 release HyperPrint was not supported on Win 2008. Running the Hotfix installer will install HyperPrint Printer on 2008 APP servers.