

IBM Global Services Project Management Center of Excellence

#### Running Multiple RPM clients on the same machine

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### You are about to venture ..

- Into the world of 'Managing multiple RPM clients on your machine'
- First, some background
  - RPM installs (by default) into "C:\Program Files\BM\Rational Portfolio Manager"
  - Any new/subsequent install will replace a prior version
  - Any 'un-attended'/automated installs will replace the current version. Hence, once you start using multiple versions on your machines **DO NOT** use the automated install processes (ie., that occurs when you login. Always download the desired client exe install file and install with the processes described here).
  - Installed clients have different version of 2 DLL's which must be 'registered' at the time of execution of a particular client. Hence the need for a special 'invoker' application
  - All 'application data' (eg., layouts, reports, etc) are stored in "C:\Documents and Settings\[windows login name]\Application Data\BM\Rational Portfolio Manager"

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#### To install / run a new version while keeping a prior one:

- To install, you would need to:
  - Kill/exit any running I-tray's
  - Kill/exit any running RPM sessions
  - Rename the old program directory to something 'memorable'
  - Install the new client
  - Establish shortcuts to the old client in its 'memorable' location
- But.. That's not all.. To switch between / run either version you would need to:
  - Register the RPMBrokers.dll and RPMImpex.dll apps (for the version you are going to run)
  - Invoke RPMSTDIn.exe (for the version you are going to run)
- All that is annoying and error prone to set up. So...

## A couple of applications have been created..

- ... which automate these functions
- Start\_PMO\_RPM.exe is used to invoke a specific RPM client (ie., the RPM client in the same directory where Start\_PMO\_RPM.exe 'lives'.. Hence this small app should be dropped into the folder for each RPM client you will use)
  - This application re-registers the correct dll's and invokes the RPM client
  - IT SHOULD ALWAYS BE USED TO INVOKE RPM, SINCE WITHOUT IT, THE INCORRECT / WRONG DLL'S MAY BE REGISTERED
- Multi-PMO-RPM Installer is used to install a new RPM client while preserving the old one.
  - It kills any running RPM and I-tray apps (to free all the directories that will be modified in the process)
  - It renames the current 'production' directory to a new one based on the RPM 'production' version currently in use
  - Temporarily renames 'application data' directories (to speed things up)
  - Performs the new client install
  - Drops a copy of 'Start\_PMO\_RPM.exe' (our RPM client 'invoker') in all the affected directories
  - Establishes a set of desktop shortcuts which can be used to invoke the various versions (old and new)
  - YOU SHOULD ALWAYS USE THE 'MULTI-PMO-RPM INSTALLER' TO INSTALL NEW CLIENT VERSIONS



# For Example:

- You currently have RPM 6.1.1.5 installed.
- You are going to install RPM 6.2
- Locate and download the 6.2 client install exe ...
  - On most non-production servers, the url: http://[server\_name]/webapp/[appname]/clients.html will present a web page where you can download that server's currently supported client (eg., http://pmoentdev.mtllab.ibm.com:7080/webapp/IBMRPM60/clients.html)
  - For production, go to <u>http://submit.boulder.ibm.com/pmtoolsuite/pmo</u>
- Run the 'multi-installer'. You will be prompted for the new client exe to install
- After completion:
  - The new version will reside in C:\Program Files\IBM\Rational Portfolio Manager
  - The old version will reside in
     C:\Program Files\IBM\Rational Portfolio Manager (R6.1.1.5 Build-6.1.0.0)
  - Desktop shortcuts modified / created to invoke 'Start\_PMO\_RPM.exe' for each version (old and new)



### Step-by-step

 Start -> Programs -> IBM -> Multi-PMO-RPM Installer Point to the new client exe to install





If RPM and/or I-tray is running, it will be killed

I-tray!
RPM I-Tray is running. ProcessID=5888. It will be killed
OK

 Program and appdata directories are renamed (some temporarily) and summarized

🖶 Multi RPM/PMO Install \	/1.8 (28-November-2005)	
Progress Select install Checking curr Checking for r Renaming PM Temporarily r Renaming RP → Temporarily r	file Summarize Renames Renamed: C:\Program Files\IBM\Rational Portfolio Manager to C:\Program Files\IBM\Rational Portfolio Manager (R6.1.1.5 Build-6.1.0.0) Temporarily Renamed: C:\Documents and Settings\wagert\Application Data\IBM\Rational Portfolio Manager to C:\Documents and Settings\wagert\Application Data\IBM\Rational Portfolio Manager	
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RPM client installation will be invoked

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😁 Multi RPM/PMO Install V1.8 (2)	8-November-2005)			
Progress Select install file Checking current inst Checking for running Renaming PMOffice	talled apps PMO/RPM Proce: IBM Rational Portf	sses olio Manager Installation		
Temporarily rename Renaming RPM prov Temporarily rename —> Install IBM Rational	Click OK to start the : After it completes, Cl popup to complete th	IBM Rational Portfolio Manager app ick OK on the next the PMO/RPM Adjustment process	vlication Installation.	



 The normal RPM install takes place.. Multi-installer 'waits' until the RPM install is done





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r r	🖶 Multi RPM/PMO I	nstall V1.8 (28-November-20	)5)					
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- Directories are renamed/restored (as required)
- Shortcuts are created .. Appropriately calling 'Start\_PMO\_RPM.exe' vs the 'normal' RPM client.
- Lastly, you are given the option to kill, remove, obliterate and destroy that really, really annoying I-tray (maybe it's just me!)

🖨 Multi RPM/PMO Install V1.8 (28-	November-2005)	
Progress Select install file Checking current insta Checking for running I Renaming PMOffice p Temporarily rename F Renaming RPM progr Temporarily rename F	Remove RPM I-tray from Startup? As part of this Rational PM install, the RPM I-tray was installed in your system Startup folder. Do you want to remove the RPM ITray from your system Startup folder?	
Install IBM Rational P Creating desktop sho —> Restoring PMOffice a		

# And all is well with the world..





# New shortcuts



 Notice that the shortcut invokes Start\_PMO\_RPM.exe vs IBMSTDLn.exe

Rational Portfolio Manager (R6.1.1.5 Build-6.1 ? 🔀						
General Shortcut Compatibility Security						
Rational Portfolio Manager (R6.1.1.5 Build-6.1.0.0)						
Target type: Application						
Target location:	Target location: Rational Portfolio Manager (R6.1.1.5 Build-6.1.0.0)					
<u>T</u> arget:	er (R6.1.1.5 Build-6.1.0.0)\Start_PMO_RPM.exe"					
<u>S</u> tart in:	"C:\Program Files\IBM\Rational Portfolio Manage					
Shortcut <u>k</u> ey:	None					
<u>R</u> un:	Normal window					
Comment: Rational Portfolio Manager (R6.1.1.5 Build-6.1.0.0						
<u>Find</u>	Target Change Icon Advanced					
OK Cancel Apply						

# Now.. Over time, you may end up with..

- Lots of version
- Lots of icons
- Some versions you don't need any more
- It's a pain to find the right desktop icon to execute..



- Enter.. RPM Clients manager
  - Presents you with a single icon / application which allows you to easily:
    - See the versions you have installed (including detailed info)
    - Execute any version
    - Rename a program folder to something 'more memorable'
    - Removes old clients
    - Cleans up old/dead/defunct shortcuts
    - It remembers the 'last' client you executed

# **RPM Clients manager**

👼 Ra	tional PM Multi-manager				
Ratio Ratio Ratio Ratio Ratio Ratio	nal Portfolio Manager nal Portfolio Manager (R6.1.1.5 Build-6.1.0.0) nal Portfolio Manager (R6.2.0.0 Build-6.6.2.77) nal Portfolio Manager (R6.2.0.0 Build-6.6.2.78) nal Portfolio Manager (R6.2.0.0 Build-6.6.2.97) nal Portfolio Manager (R6.2.0.0 Build-6.7.1.0) nal Portfolio Manager 6.1.1.1 Production nal Portfolio Manager 6.1.1.5 Production		Info Product Version File Version (1) File Version(2) Executable FileDate FileSize Directory	Portfolio Manager 6.1.1 6.1.1.5 6.1.0.0 6.5.2.53 RPMStdln.exe 2005:09:23:13:17:34 4617728 C:\Program Files\IBM <sup>1</sup> 6.1.1.5 Production	.5 Production
La:	t Run: Rational Portfolio Manager 6.1.1.5 Production On: Mon 11/28/2005 10:47:45 AM				
R	un Selected Client Quit	Clean	up Shortcuts	Rename folder	Uninstall Selected Client
					V1.2 (17-Sept-2005)

One icon/shortcut can be used to start any RPM version you have installed





#### In summary

- RPM Multi-installer
  - Invoke via 'Start -> Programs -> IBM -> Multi PMO-RPM installer or Windows desktop shortcut
    - windows desktop shortcut
  - Current version: V1.8 (28-November-2005) NEW
  - Multi-PMO\_RPMv1.8\_setup.exe .. An installer which installs the installer.. Attached here on PMOR1
  - Setup will update prior versions
- RPM Client Manager
  - Invoke via 'Start -> Programs -> IBM -> RPM Manager -> RPM Clients Manager or Windows desktop shortcut
  - Current version: V1.2 (17-Sept-2005)
  - RPM\_Multi-Manager\_v1.2\_Setup.exe .. An installer which installs the manager .. Attached here on PMOR1
  - Setup will update prior versions
- Once you have ventured into the world of 'Managing multiple RPM clients on your machine':
  - You should use these processes to install and invoke your RPM clients.
  - You can run multiple sessions of the same version. DO NO RUN DIFFERENT RPM CLIENT VERSIONS AT THE SAME TIME

### Remember !!!

Just say NO!

