# 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\IBM\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\IBM\Rational Portfolio Manager*"

# 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 RPMSTDln.exe (for the version you are going to run)
- All that is annoying and error prone to set up. So…
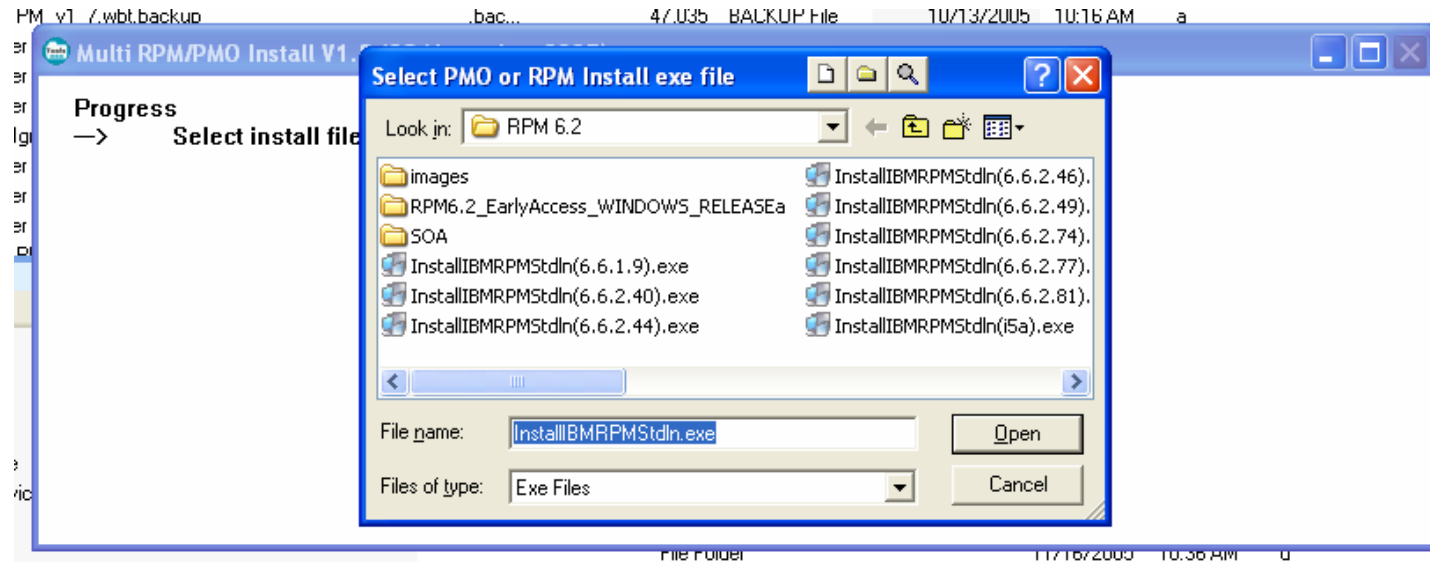
# A couple of applications have been created..

- … 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**

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# 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 http://submit.boulder.ibm.com/pmtoolsuite/pmo**
- 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
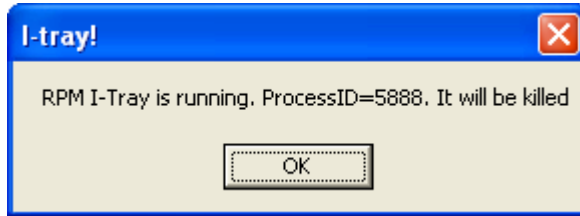    version (old and new)

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# Step-by-step

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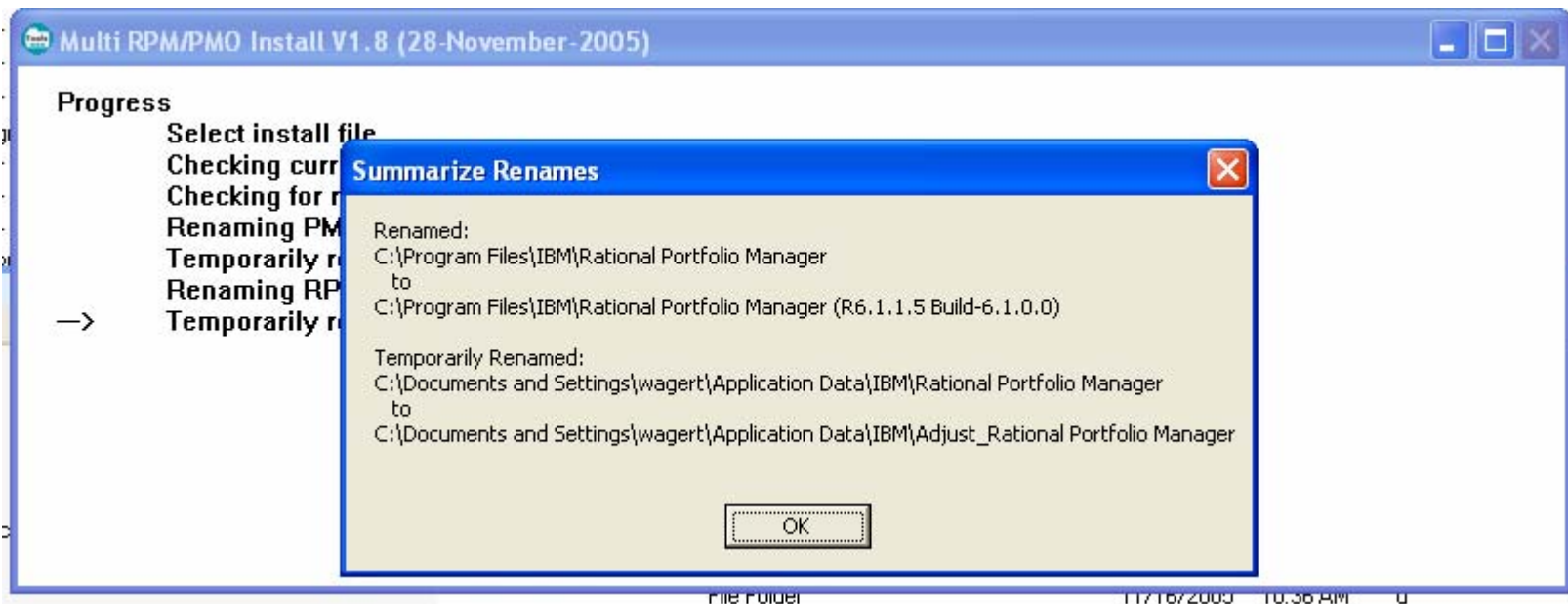  Point to the new client exe to install

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# Step by step

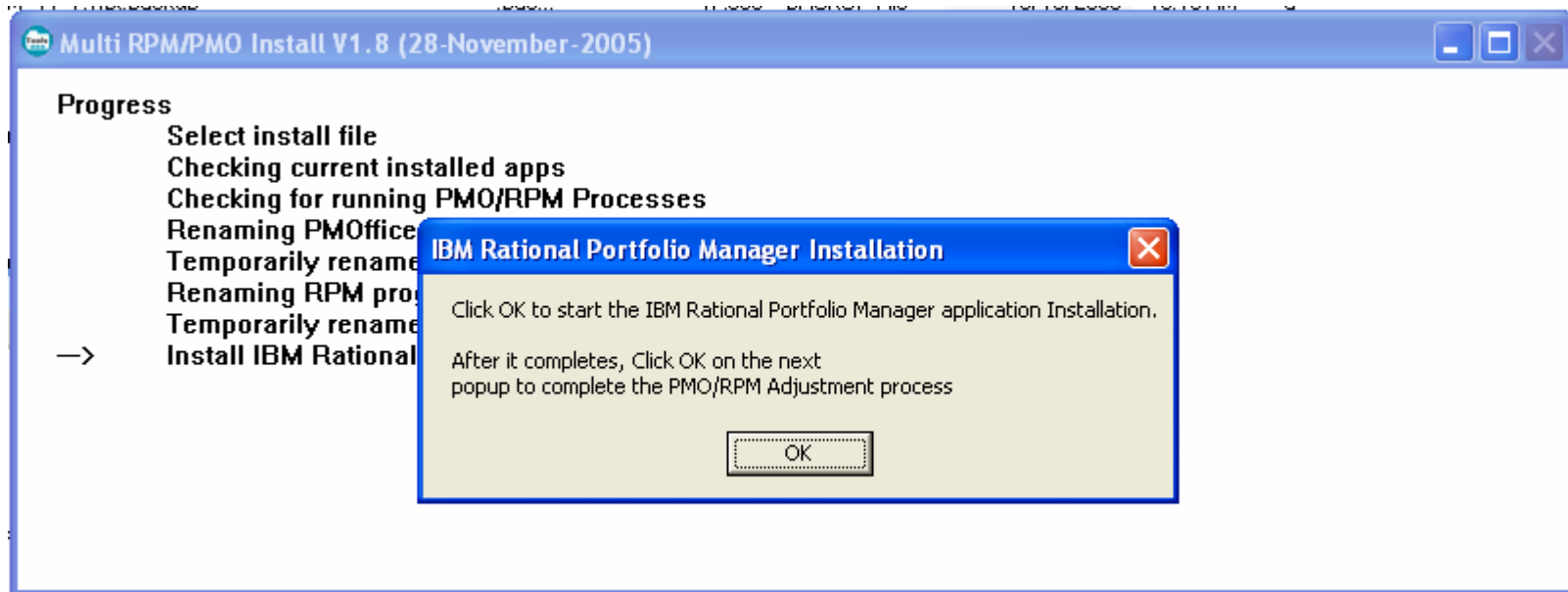- If RPM and/or I-tray is running, it will be killed



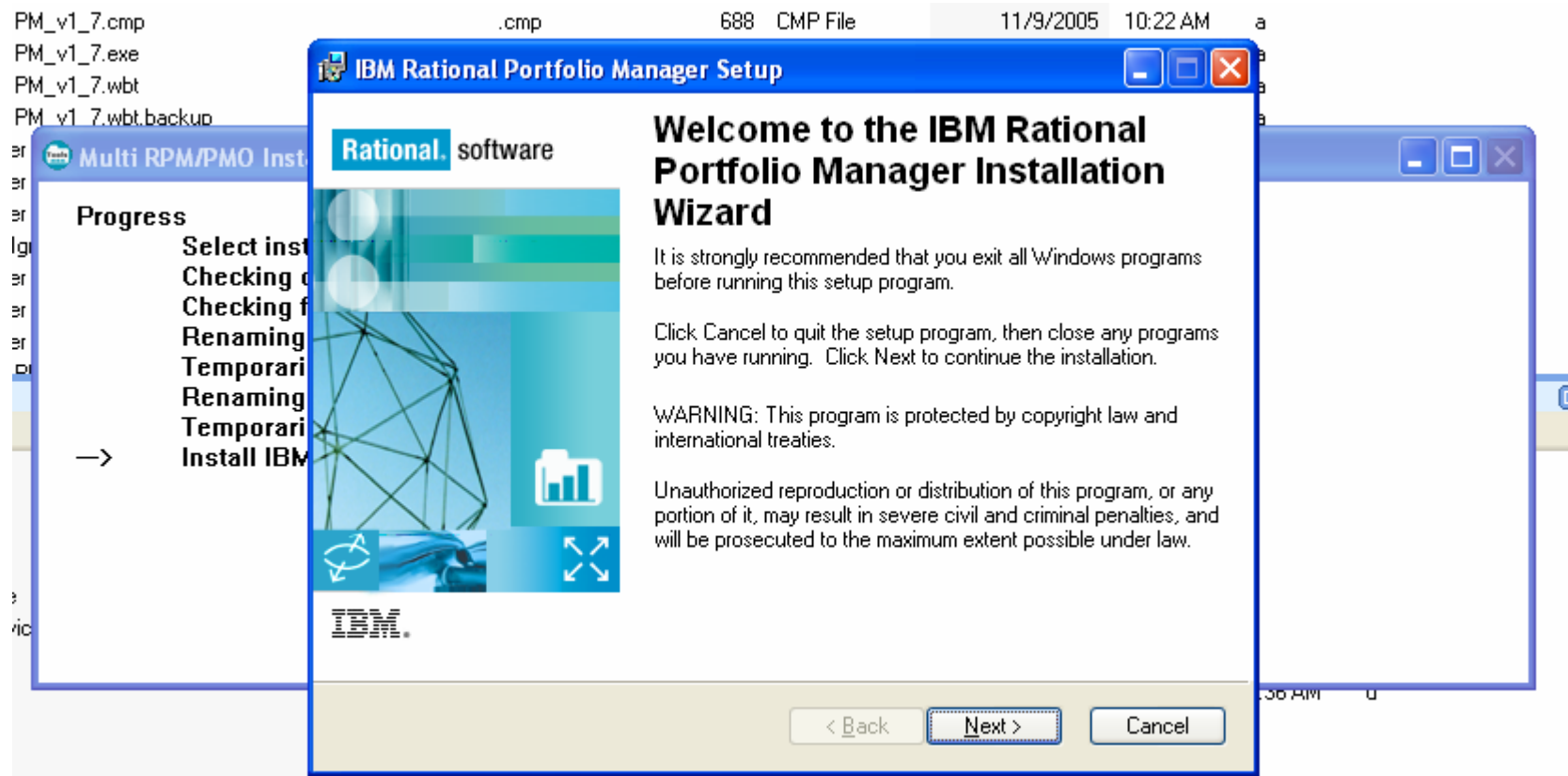- Program and appdata directories are renamed (some temporarily) and summarized
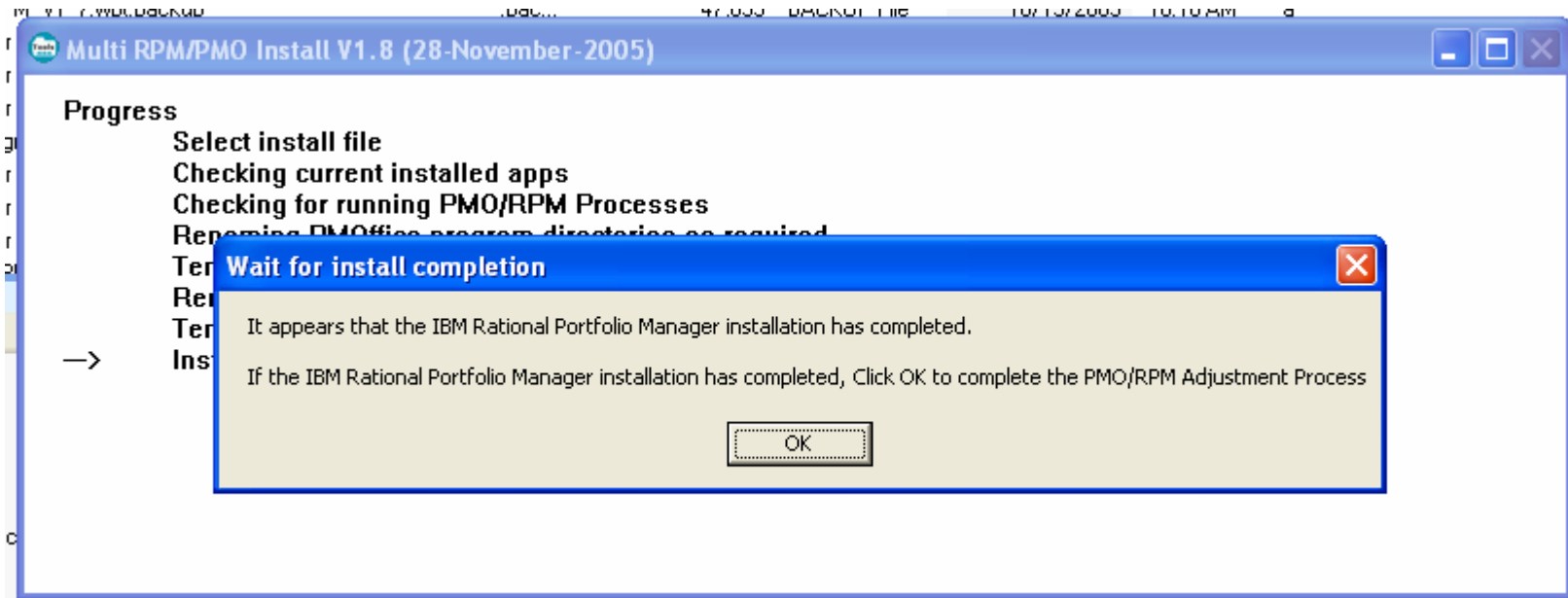
# Step by step

- RPM client installation will be invoked

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# Step by step

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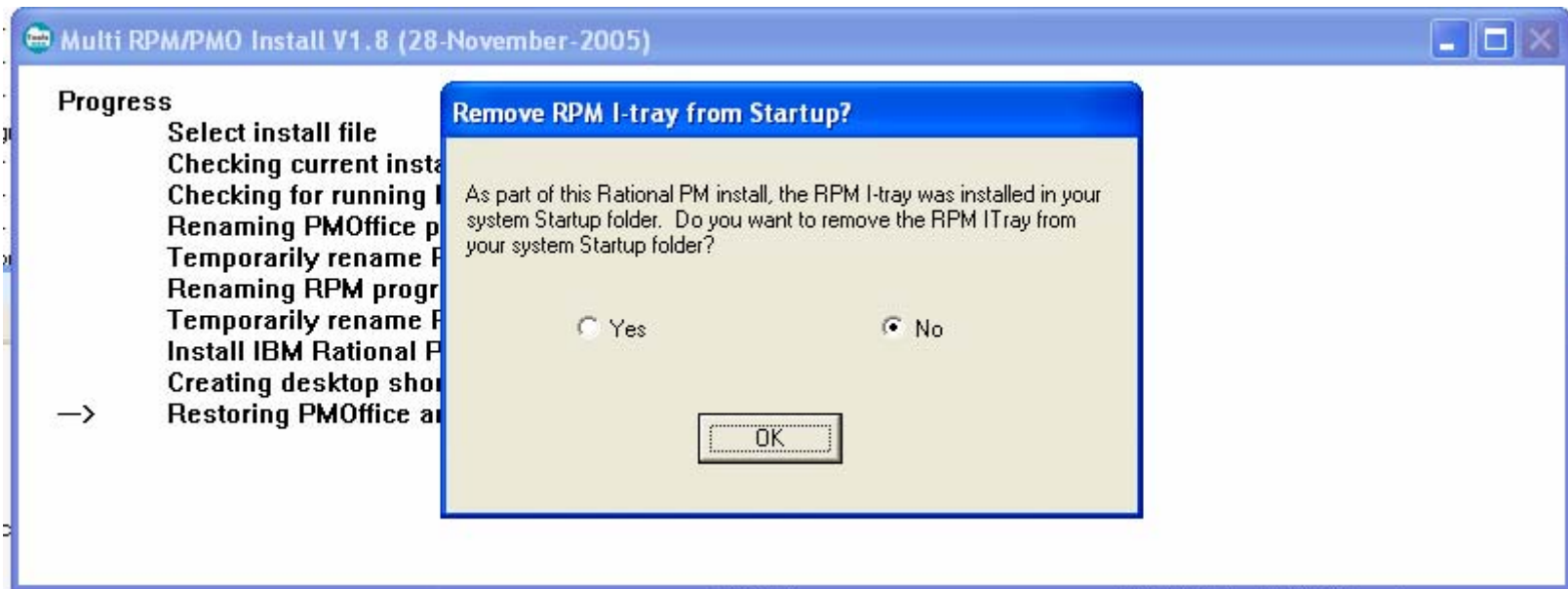
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# Step by step

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

# Step by step

- 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!)
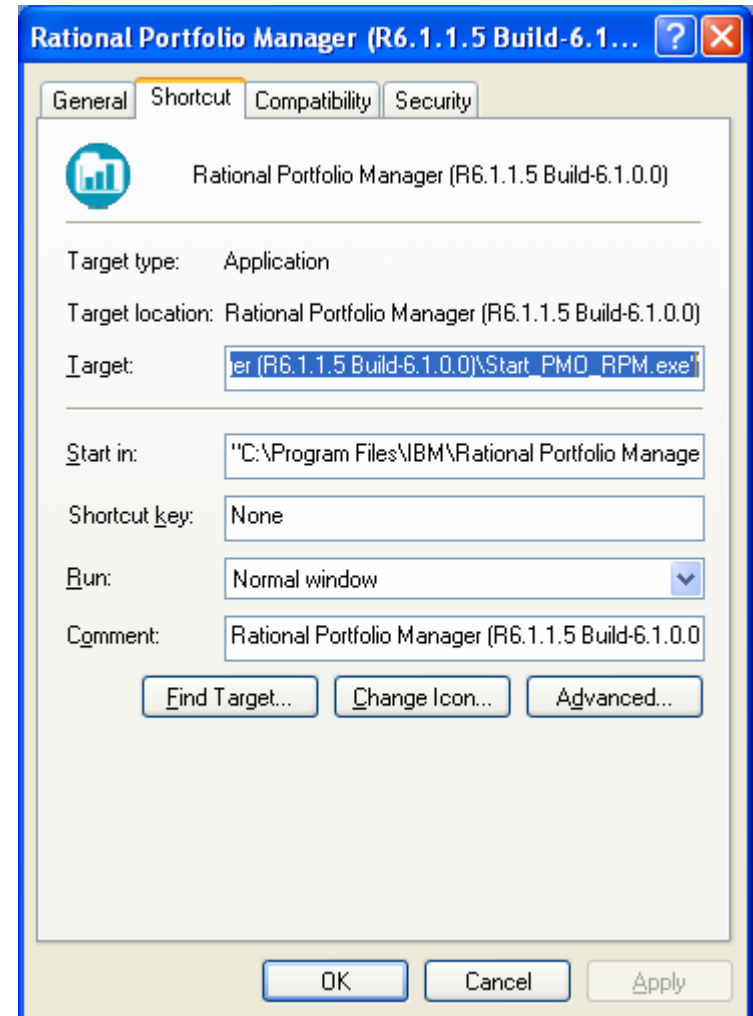
# And all is well with the world..

# New shortcuts



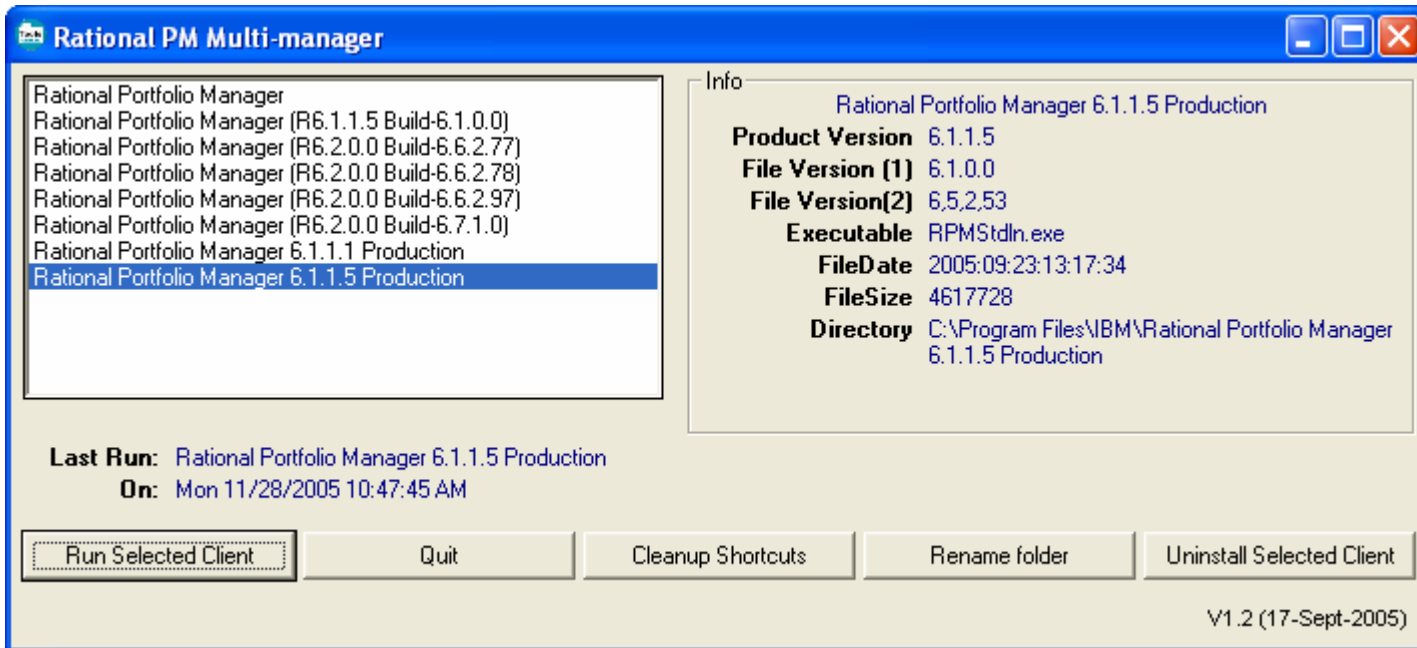- Notice that the shortcut invokes Start_PMO_RPM.exe vs IBMSTDLn.exe

# 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



- 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
  - 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!



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