Rational Environment Patch Release Information

Release D_12_7_4

1. Overview

The D_12_7_4 patch release for the Rational Environment is
primarily a maintenance release, for the D_12_7_3 Release of the
Environment which contains:

* Fixes problems from previous releases, enabling existing
  commands to work correctly.

* Adds new features and information.

2. Supported Configurations and Upgrades

D_12_7_4 supports the following configurations of the R1000:

*   Series 200 (Models 10, 20, and 40)

*   Series 300 System (300S)

*   Series 300 Coprocessor (300C) for the IBM RISC System/6000
    and Sun Workstation servers

*   Series 400 System (400S)

3. Compatibility

D_12_7_4 is fully compatible with all production versions of
Rational layered-software products (See Table 2 of the D_12_7_3
Release Note for a complete list).

4. Upgrade Impact

You must be running D_12_7_3 in order to install this patch release.
If you are running an earlier release you will need to upgrade
to D_12_7_3 first, before you can install this patch release.

The Environment can be upgraded to D_12_7_4 without forcing
you to Archive.Save and Archive.Restore your applications. You
will not have to modify or recompile any of your own tools.

Rational does not provide tools for reverting to previous
releases of the Environment. You will be able to revert to the
previous release, however, if you make a complete backup of the
Environment, including the Diagnostic File System (DFS), before
you upgrade.

5. Known Problems

There are no known problems introduced by this D_12_7_4 patch.

6. New Environment Features

D_12_7_4 provides three new features:

6.1 DFS/KERMIT There is now a Kermit capability available at
    the CLI.

6.2 Show_Excelan_Trace Collects information equivalent to
    Tcp_Ip_Dump but for Excelan Network Controllers (Series
    200 and 300 machines).

6.3 Rational Access now supports the IBM Swedish Keyboard.

7. Changes from D_12_7_3

This section describes the changes, enhancements, and
user-visible problem fixes that D_12_7_4 makes to existing
features of the Environment.

7.1 Disconnect on Hang-Up and Disconnect on Disconnect now
    works for Series 300 and 400s.

7.2 Networking Fixes:

7.2.1 A problem which caused CMC controller crashes has been
      fixed; and memory dumps now have the correct information
      in them after IOP Kernel Crashes. Series 400s only.

7.2.2 A problem which caused TCP (FTP) hangs on Series 400s only
      has been fixed.

7.2.3 A problem on Series 400s only which caused initial
      connections (FTP) to be refused has been fixed.

7.2.4 A problem which caused FTP 425 (Data connection refused)
      has been fixed. Series 200, 300, and 400s.

7.2.5 The problem that caused the transport route table on
      Series 400s to loose its data has been fixed. See
      Installation Note for information on removing previous
      workaround.

7.3 Rational Access Bug Fixes:

7.3.1 Access no longer crashes when you exit from a session
      while you have an uncommitted file.

7.3.2 Doing File-Close on a file that still has highlighted text
      now saves the highlighted region correctly.

7.3.3 Edit-Typing Modes, Insert and Overwrite, now work correctly
      (are no longer reversed).

7.3.4 Invoking Access with "-iconic" option on the command line
      now correctly brings up the icon.

7.3.5 CtrlF4 + End-Of Key now correctly does Image.End_Of.

7.4 A Page Clearing Microcode bug that caused system crashes has been fixed. Affects only those D3.1 systems using ucode M207_41 and M207_44 (Use EEDB: VD $ to see which ucode you have).

7.5 Confidence Tests (Udiag) no longer reports a Tagstore Parity Error when booting after power off. Affects all systems with two 32MB memory boards.

7.6 Booting the rewrite program from tape now works. NOTE: Requires that you create a new DFS backup. Applicable to all systems.

7.7 On boot the IOP Kernel version now correctly identifies itself. All Series 300 and 400s that are running D3.1.

7.8 This release includes the correct version of !Machine.Editor_Data.Session_Switch_Help

Appendix A
Software Fixes and Enhancements of D_12_7_4

This appendix lists the software problem reports and customer-service requests closed by the D_12_7_4 patch release.

Table A-1 lists the problem reports fixed or enhancement requests fulfilled by D_12_7_4. It includes the Defect number of the problem, the Log number (if applicable), a brief description of the problem, and the section of this patch release information in which the problem is discussed in more detail (when applicable).

Table A-1   Software Fixes and Enhancements of D_12_7_4

Defect Number	Summary	Section Number
58935	Log4019, 7570, 7894 IP Routing Bug that causes Transports Routes to lose its data has been fixed	7.2.5
100295,100296	Log50174 Invoking Access with "-iconic" option on the command line now brings up the icon.	7.3.4
100817	Log50496 Rational Access Edit--Typing Modes Insert and Overwrite now work correctly.	7.3.3
100818	Log50497 Rational Access CtrlF4 + End-Of Key now correctly does Image.End_Of.	7.3.5
100819	Log50597 Rational Access no longer crashes when you exit from a session while you have an uncommitted file.	7.3.1
100854	Log50609 Rewrite from tape now works.	7.6
101008	Log50054 Disconnect on Hang-Up and Disconnect on Disconnect now works for Series 300 and 400s.	7.1
101466	Log50082 Fix for Series 400 Ethernet controller crashes. And CMC memory dumps now have the correct information in them after IOP Kernel Crashes.	7.2.1
101470	Log05846 Show_Excelan_Trace Collects information equivalent to Tcp_Ip_Dump for Excelan Network Controllers	6.2

101501	Log50082 DFS/KERMIT There is now a Kermit capability available at the CLI.	6.1
101502	Log50527,50528,50538,50546,50560, 50561,50928 A Page Clearing Micro-code bug that caused system crashes has been fixed.	7.4
101544	Log50729 Confidence Test (Udiag) no longer reports a Tagstore Parity Error when booting after power off.	7.5
101565	On boot the IOP Kernel version now correctly identifies itself.	7.7
101577	Rational Access now supports the IBM Swedish Keyboard.	6.3
101592	Doing File-Close on a file that still has highlighted text now saves the highlighted region correctly.	7.3.2
101997	Correct version of !Machine.Ed-itor_Data.Session_Switch_Help	7.8
101998	Log50879 Fix for FTP 425 connec-tion refused.	7.2.4
102000	Log50626 Fix for TCP (FTP) hangs.	7.2.2
102002	Log51322 Fix for initial connec-connection (FTP) refused.	7.2.3

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