

SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

Upgrading to Rational 7.1.x for ClearCase and ClearQuest

Upgrading to Rational 7.1.x on the Windows OS is a bit different than it has been in the past. Rational ClearCase and ClearQuest installation can be installed using either a single-user strategy or an enterprise strategy. For illustrative purposes, we have chosen to describe an enterprise install.

Before beginning, we note that beginning with Rational 7.1.x, the installation method is different. IBM has introduced a new Installation Manager (IM) tool which must be used from this point on to install IBM software products. We note that while it is possible to create response files to automate the use of IM, but we will demonstrate the use of IM without response files to illustrate the use of IM install panels.

Since the new IM must be used for all subsequent installs and upgrades, we note that all products previous to Rational 7.1.x must first be de-installed before use of IM. IBM supplies a custom tool for this purpose of de-installing Rational software that was previously install with the MIS-based install technology: rationaluninstalltool.exe

The tool can be downloaded from:

http://www.ibm.com/support/docview.wss?uid=swg24021131

Download the tool, expand the zip kit, and use the command line to navigate to the uninstall tool folder.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| C:\WINDOWS | /5\system32\cmd.exe | X |
|-------------|--|---|
| Volume in | drive C has no label. | |
| Volume Ser | rial Number is 00C0-0651 | |
| Directory | of C:\Documents and Settings\buildxf\Desktop\RationalUninstallTool | |
| 09/16/2010 | 11:46 AM <dir> .</dir> | |
| 09/16/2010 | 11:46 AM <dir></dir> | |
| 09/16/2010 | 11:46 AM 12.754 cs.html | |
| 09/16/2010 | 11:46 AM 20,548 de.html | |
| 09/16/2010 | 11:46 AM 43,390 en.html | |
| 09/16/2010 | | |
| 09/16/2010 | 11:46 MM 22,190 fr.html | |
| 00/10/2010 | | |
| 09/16/2010 | 11.46 10.944 | |
| 09/16/2010 | 11:46 AM $16.541 n$ html | |
| 09/16/2010 | 11:46 AM 17.552 pt.html | |
| 09/16/2010 | 11:46 AM 352.256 rationaluninstalltool.exe | |
| 09/16/2010 | 11:46 AM 7,737 tc.html | |
| 09/16/2010 | 11:46 AM 13,522 tr.html | |
| 09/16/2010 | 11:46 AM 7,952 zh.html | |
| | 14 File(s) 571,788 bytes | |
| | 2 Dir(s) 7,455,301,632 bytes free | |
| C:\Document | ts and Settings\buildxf\Desktop\RationalUninstallTool>_ | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

There is a mode for a clean uninstall, and also a mode to preserve user modifications. We are using the "-c" option to completely remove all Rational tool artifacts. For server upgrades, this is likely not the mode that should be used.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| 🚥 C:\WINDOWS\syster | n32\cmd.exe - rationaluninstalltool.exe C:\temp\uninstall.log -c | _ 🗆 🗵 |
|---------------------|--|-------|
| C:\Documents and | Settings\buildxf\Desktop\RationalUninstallTool> | |
| C:\Documents and | Settings\buildxf\Desktop\BationalUninstallTool> | |
| C:\Documents and | Settings\buildxf\Desktop\BationalUninstallTool> | |
| C:\Documents and | Settings\buildxf\Desktop\RationalUninstallTool> | |
| C:\Documents and | Settings\buildxf\Desktop\RationalUninstallTool> | |
| C:\Documents and | Settings\buildxf\Desktop\RationalUninstallTool> | |
| G:\Documents and | Settings/buildxf/Desktop/RationalUninstall[ool/ | |
| G:\Documents and | Settings/buildxf/Desktop/RationalUninstalliool/ | |
| G: Documents and | Settings/buildxf/Desktop/RationalUninstalliool/ | |
| C:\Documents and | Settings/buildxf/Desktop/RationalUninstalliool/ | |
| C: Vocuments and | Settings\buildxf\Desktop\KationalUninstall1001> | |
| GINDOCUMENTS and | Settings Spullaxf Vpesktop Kationalun installiool/ | |
| Givents and | Settings Spullaxf Spesktop Kationalun installiool/ | |
| C: Documents and | Settings buildxt besktop NationalUninstalliool/ | |
| C: Documents and | Settings builder Desktop NationalUninstallioi/ | |
| C: Documents and | Settings builds Decktor National United 11001/ | |
| C: Documents and | Settings buildy Decktor Detional United 11701 | |
| C: Documents and | Settings buildyf Desktop Bationallininstallfoll | |
| C: Documents and | Settings buildyf Desktop Rationallininstallfoll | |
| C:\Documents and | Settings buildyf Desktop Rationallininstallfoll | |
| C:\Documents and | Settings builds best on Rational Installion 1 | |
| C:\Documents and | Settings buildyf besktop hationallninstallTool> | |
| C:\Documents and | Settings (buildyf) Deskton RationallininstallTool) | |
| C:\Documents and | Settings buildyf Deskton RationallininstallTool | |
| C:\Documents and | Settings buildyf Deskton RationallininstallTool | |
| C:\Documents and | Settings build of Deskton Bational Uninstallool) | |
| C:\Documents and | Settings\buildxf\Deskton\BationalUninstallTool> | |
| C:\Documents and | Settings\buildxf\Desktop\BationalUninstallTool> | |
| C:\Documents and | Settings\buildxf\Desktop\BationalUninstallTool>rationalunin | stal |
| ltool.exe C:\tem | ovuninstall.log -c | |
| Welcome to the Ra | ational Uninstall Tool. This tool will automatically uninsta | 11 a |
| ny Rational produ | icts which will be moving to the new Install Manager for 7.1 | . As |
| part of this, yo | our machine may be rebooted. User data will n <u>ot be preserved</u> | fro |
| m these products. | | |
| Number of Rationa | al products found: 2 | |
| | | |
| | | |

Above, the command is running, and has located two products to uninstall. In the following screen shot, ClearQuest has been removed, and ClearCase is in process of removal. The command results in an automatic reboot of the machine to complete the uninstall, although there are is a command option to suppress this, and allow for a manual reboot.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| 🖭 C:\WINDOWS\system32\cmd.exe - rationaluninstalltool.exe C:\temp\uninstall.log -c |
|--|
| C:\Documents and Settings\buildxf\Desktop\RationalUninstallTool> C:\Documents and Settings\buildxf\Desktop\RationalUninstallTool will automatically uninstall a ny Rational products which will be moving to the new Install Manager for 7.1. As part of this, your machine may be rebooted. User data will not be preserved fro m these products. |
| Number of Rational products found: 2 |
| The following products will be uninstalled from this system: |
| Product Name: IBM Rational ClearQuest Version: 7.0.1.9 Product Code: {CE7BC4DE-8956-4B80-BFB7-541812764162} |
| Product Name: IBM Rational ClearCase Version: 7.0.1.9 Product Code: <681411BD-5AD8-4DA5-BBEE-EF20E3628D33> |
| Reboot needed following uninstall of products. |
| |
| Saving cached product MSIs. |
| Beginning uninstallation of products. |
| Log file: C:\RationalSDLC_Temp\ClearQuest.log Uninstall of product IBM Rational ClearQuest succeeded. |
| Log file: C:\RationalSDLC_Temp\ClearCase.log |
| |

A reboot has occurred. Next we bring up Windows Explorer and navigate to a location which contains IBM/Rational ClearCase 7.1.x (7.1.1, in this case).

| All Antonal_7.1.1/ClearCase_7.1.1_Windows\disk1 | | | | | | |
|---|---|--|---|---|--|----------------------------|
| Eile Edit View Favorites Iools Help | | | | | | |
| S Back ▼ S → B Search Folders | | | | | | |
| Address 🗁 \\europe\ccase_rls\Rational_7.1.1\ClearCase_7.1.1_Windows\disk1 | | | | | | |
| Folders | x | Name 🔺 | Size | Туре | Date Modified | Attributes |
| | • | InstallerImage_win32 InstallerImage_win32 InstallerImage_win32 InstallerImage_win32 InstallerImage InstallerIma | | File Folder File Folder File Folder File Folder File Folder | 9/16/2010 3:30 PM 9/16/2010 1:10 PM 7/1/2010 3:40 PM 7/1/2010 3:39 PM 7/1/2010 3:39 PM 7/1/2010 3:39 PM | |
| | - | Utilities autorun.inf clearcase_response_nt_1386 clearcase_uninstall_response diskTag.inf Jaunchpad.exe Jaunchpad.ini Jaunchpad.sh | 1 KB 25 KB 3 KB 1 KB 180 KB 2 KB 6 KB | File Folder Setup Information XML Document XML Document Setup Information Application Configuration Settings SH File | 7/1/2010 3:27 PM 12/2/2009 12:56 AM 12/2/2009 12:57 AM 12/2/2009 12:57 AM 12/2/2009 12:57 AM 12/2/2009 12:56 AM 12/2/2009 12:56 AM | A A A A A A |



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

It is possible to setup an install which uses the new Install Manager in an automated manner, but for illustrative purposes, all the upgrade steps will be shown. In the 7.1.x distribution area, we begin by launching an initial, product specific version of Install Manager – launchpad.exe.

| This results in the scr | reen below, which presents the | option of installing ClearCase 7.1.1. | |
|----------------------------|--|--|-------|
| 실 IBM® Rational® ClearCase | ® ¥7.1.1 | | _ 🗆 🗵 |
| IBM® Rational® (| ClearCase® V7.1.1 | Select a language English | |
| | IBM® Rational® ClearCase® v7.1. IBM Rational ClearCase offers comple management and an industry-leading version control, workspace managem and build auditing to improve product Install IBM Rational ClearCase v7.1. | te software configuration solution that provides sophisticated ent, parallel development support ivity. | |
| | View Release Information Readme Installation Guide | | |
| IBM. | | | |

Click on the above link - "Install IBM Rational ClearCase v7.1.1".



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008



Click Next to begin installing both Installation Manager 1.3.3 and ClearCase 7.1.1.



Installation Manager first does some configuration, and then presents the screen shown below.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| M Installation Manager | |
|---|---|
| Install Packages | |
| Validate the prerequisites for the selected packages. | Lick the marked nodes for additional information about prerequisites. |
| Install Prerequisite Licenses | Location Features Summary |
| Validation Results | |
| EBM® Rational® ClearCase® | software. Check http://libm.com/support/docview.wss?rs=203context=5W000q1=1135295yid=swg21135295 for information on how to prevent potential system corruption. |
| | Recheck Status |
|) | < <u>B</u> ack <u>N</u> ext > <u>Install</u> Cancel |

Here we have a check for software conflicts that may affect the install. Sometimes specific issues will be listed, which must then be addressed. The Recheck Status button can be clicked after addressing specific issues to verify the action taken. Click Next to continue.



www.spkaa.com

Ph: 888-310-4540

SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| M Installation Manager | |
|---|---|
| Install Packages Read the following license agree | ments carefully. |
| Install Prerequisite | Licenses Location Features Summary |
| □- IBM Installation Manager □- License Agreement □- BM Rational ClearCase □- License Agreement □- Third Party | IMPORTANT: READ CAREFULLY Two license agreements are presented below. I. IBM International License Agreement for Evaluation of Programs 2. IBM International Program License Agreement If Licensee is obtaining the Program for purposes of productive use (other than evaluation, testing, trial "try or buy," or demonstration): By clicking on the "Accept" button below, Licensee accepts the IBM International Program License Agreement, without modification. If License is obtaining the Program for the purpose of evaluation, testing, trial "try or buy," or demonstration): By clicking on the "Accept" button below, Licensee accepts the IBM International Program License Agreement for Evaluation OF Programs (the "Evaluation License"), without modification; and (ii) the IBM International License Agreement for Evaluation of Programs (the "Evaluation License"), without modification; and (ii) the IBM International Program License Agreement (the "TPLA"), without modification. The Evaluation License will apply during the term of License's Evaluation. The IPLA will automatically apply if Licensee elects to retain the Program after the Evaluation (or obtain additional copies of the Program for use after the Evaluation) by entering into a procurement agreement (e.g., the IBM International Passport Advantage or the IBM Passport Advantage Express agreements). The Evaluation License and the IPLA are not in effect concurrently; neither modifies the other; and each is independent of the other. The complete text of each of these two license agreements follow. |
| O I accept the terms in the lice | nse agreements Print All |
| O I do not accept the terms in | the license agreements |
| i. | < Back Mext > Install Cancel |

The licensing agreement is shown next.



www.spkaa.com

Ph: 888-310-4540

SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| tead the following license agree | ments carefully. |
|--|--|
| Install Prerequisite | Licenses Location Features Summary |
| □ FIBM Installation Manager □ License Agreement □ IBM Rational ClearCase □ License Agreement □ Third Party | IMPORTANT: READ CAREFULLY Two license agreements are presented below. I. IBM International License Agreement for Evaluation of Programs 2. IBM International Program License Agreement If Licensee is obtaining the Program for purposes of productive use (other than evaluation, testing, trial "try or buy," or demonstration): By clicking on the "Accept" button below, Licensee accepts the IBM International Program License Agreement, without modification. If Licensee is obtaining the Program for the purpose of evaluation, testing, trial "try or buy," or demonstration): By clicking on the "Accept" button below, Licensee accepts the IBM International Program License Agreement, without modification. If Licensee is obtaining the Program for the purpose of evaluation, testing, trial "try or buy," or demonstration (collective), an "Evaluation"): By clicking on the "Accept" button below, Licensee accepts both (i) the IBM International License Agreement for Evaluation of Programs (the "Evaluation License"), without modification; and (ii) the IBM International Program License Agreement (the "IPLA"), without modification. The Evaluation License will apply during the term of Licensee's Evaluation. The Evaluation License will apply if Licensee elects to retain the Program after the Evaluation (or obtain additional copies of the Program for use after the Evaluation) by entering into a procurement agreement (e.g., the IBM International Passport Advantage or the IBM Passport Advantage Express agreements). The Evaluation License and the IPLA are not in effect concurrently; neither modifies the other; and each is independent of the other. |
| | The complete text of each of these two incerse agreements follows. |
| I accept the terms in the lice | nse agreements Print All |

Accept the license agreement, and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| 1 Installation Manager | | | |] |
|--|--|---|---|--|
| Install Packages | resources directory and | a location for Installation Manage | | |
| Install Prerequisite | | Location Features | Summary | |
| When you install packs 1) The shared resource 2) The installation direc Important: You can on results select the drive | ges, files are stored in tw es directory - resources th tory - any resources that ly select the shared resou with the most available s | vo locations: nat can be shared by multiple pac : are unique to the package that urces directory the first time you i pace because it must have adequ | kages. you are installing. install a package with the IBM Insta jate space for the shared resource | allation Manager. For best es of future packages. |
| Shared Resources Directory: | C:\Program Files\IBM\IM | IShared | | Browse |
| | | | | Diomonia. |
| Once installed, IBM Ins | tallation Manager will be u | used to install, update, modify, m stallation Manager\eclipse | anage and uninstall your packages | s. Browse |
| Once installed, IBM Ins Installation Manager Directory: Disk Space Information | tallation Manager will be t | used to install, update, modify, m stallation Manager\eclipse | anage and uninstall your packages | Br <u>o</u> wse |
| Once installed, IBM Ins Installation Manager Directory: Disk Space Information Volume Available Space C: 8.65 GB | tallation Manager will be t | used to install, update, modify, m stallation Manager\eclipse | anage and uninstall your packages | Browse |
| Once installed, IBM Ins Installation Manager Directory: Disk Space Information Volume Available Space C: 8.65 GB | , | used to install, update, modify, m stallation Manager\eclipse | anage and uninstall your packages | Brgwse |
| Once installed, IBM Ins Installation Manager Directory: Disk Space Information Volume Available Space C: 8.65 GB | , | used to install, update, modify, m stallation Manager\eclipse | anage and uninstall your packages | Br <u>o</u> wse |

Verify that the install location for Installation Manager is acceptable, and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| nstall Packages | |
|--|--|
| A package group is a location that contains one or more package common user interface. Select an existing package group, or cre | es. Some compatible packages can be installed into a common package group and will share a |
| Install Prerequisite Licenses Lo | cation Features Summary |
| • Use the existing package group | |
| Oreate a new package group | |
| Package Group Name | Installation Directory |
| 🗞 IBM Rational SDLC | C:\Program Files\IBM\RationalSDLC |
| | |
| | |
| | |
| ۹ | |
| (| |
| Ackage Group Name: IBM Rational SDLC Installation Directory: CollProgram Files/IEM/RationalSDLC | Browse. |
| Archage Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC | Browse |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details | Browse Disk Space Information |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details Shared Resources Directory: C:\Program Files\IBM\IMShared | Browse Disk Space Information Volume Available Space |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details Shared Resources Directory: C:\Program Files\IBM\IMShared | ■ Browse Disk Space Information Volume Available Space C: 8.65 GB |
| Ackage Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details Shared Resources Directory: C:\Program Files\IBM\IMShared | Disk Space Information Volume Available Space C: 8.65 GB |
| Ackage Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details Shared Resources Directory: C:\Program Files\IBM\IMShared | Disk Space Information Volume Available Space C: 8.65 GB |
| Ackage Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details Shared Resources Directory: C:\Program Files\IBM\IMShared | Disk Space Information Volume Available Space C: 8.65 GB |
| A C:\Program Files\IBM\IndextractionalSDLC Details Shared Resources Directory: C:\Program Files\IBM\IMShared | ■ Disk Space Information Volume Available Space C: 8.65 GB |

Installation Manager introduces the concept of Package Groups, in which compatible versions of products can be installed.

In our case, both ClearCase and ClearQuest 7.1.1 will be installed in the same Package Group. If the versions of installed software are not compatible, Install Manager will enforce the creation of a different Package Group. Click Next to continue.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| nstall Packag | jes te install | | | 4 |
|------------------------|-------------------------------|--------------------|---------|---------------------|
| elect the translations | to Install. | | | |
| Install Pr | erequisite Licenses Lo | cation Features 9 | Summary | |
| | | | | |
| ranslations | | | | |
| 🗹 English | Brazilian P <u>o</u> rtuguese | Erench | German | Italian |
| 🔲 Japanese | L Korean | Simplified Chinese | Spanish | Traditional Chinese |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Verify the language and click Next.

| IBM Installation Manager | × |
|--|--|
| Install Packages | |
| Select the redures to install, | Eachange Company |
| Install Prerequisite Litenses Location | |
| Constant Server Components View Server View Server | |
| Show dependencies | Expand All Collapse All Restore Default |
| Details | _ |
| Microsoft Visual Studio Integration A first-class integration to Microsoft Visual Studio IDE v2003 and above. | |
| | |
| | × |
| 0 | < <u>Back</u> <u>N</u> ext > <u>Install</u> Cancel |



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

Here it is possible to select items to include or exclude from the install. We have elected to include the Visual Studio integration package in this installation. Click Next.



Next to be shown is the flex licensing panel.

Enter the port number and server for any license servers. Click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

Verification of ClearCase server processes.

| BM Installation Manager | | |
|---|---|--|
| Install Packages Fill in the configurations for the packages. Install Prerequisite Install Prerequisite Image: Common Configurations | censes Location Features | Summary |
| Common Licensing | Service Account | - |
| IBM® Rational® ClearCase® 7.1.: Service Account Registry and Mail Servers Remote Administration MVFS Case Sensitivity MVFS Settings ClearCase File Server (CCFS) Customize Pop-Up Menu: Clear Customize Tool Shortcuts: Clea Desktop Shortcut ClearCase Atria Licensing | Enter the user account for ClearCase serve <u>A</u> ccount domain (required): <u>S</u> erver process user name (required): <u>P</u> assword (required): <u>C</u> onfirm password (required): The service account must be a member of the ClearCase administrator group (required) | r processes. STRYKERNET Clearcase_albd |
| | Bypass ALBD account check. | < <u>₿ack N</u> ext > Install Cancel |

Enter ALBD process name, password, and administrator group. Again, this can be automated, but is shown here for illustration. Click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Install Packages S Enter a registry server host name. | |
|---|--|
| Common Configurations Common Licensing If M(® Rational@ ClearCase(® 7.1.: | Entres Location Peatures Summary Configuration for IBM® Rational® ClearCase® 7.1.1 Registry and Mail Servers The registry server stores VOB and view tag information. Registry server host name (required): Image: ClearCase of VOB and view tags. Mindows registry region (required): Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Mindows registry region: Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. Image: ClearCase of VOB and view tags. |

Panel for recording registry server, and registry regions.

Record registry server, regions, etc. Click Next to continue.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

Panel for remote administration.

| IBM Installation Manager | |
|--|--|
| Install Packages Fill in the configurations for the packages. Install Prerequisite Lice | enses Location Features Summary |
| Common Configurations Common Licensing IBM® Rational® ClearCase® 7.1.: Service Account Registry and Mail Servers Remote Administration MVFS Case Sensitivity MVFS Settings ClearCase File Server (CCFS) Customize Pop-Up Menu: Clear Customize Tool Shortcuts: Clea Desktop Shortcut ClearCase Atria Licensing | Configuration for IBM® Rational® ClearCase® 7.1.1 Remote Administration Do you want to disable remote administration for ClearCase? Ygs, disable remote administration Image: Non-able remote administration Image: Non-able remote administration Image: Non-able remote administration |
| 3 | < Back Mext > Install Cancel |

Select option for remote administration, and click Next to continue.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| M Installation Manager Install Packages Fill in the configurations for the packages. Install Prerequisite Li | censes Location Features Summary |
|--|--|
| Common Configurations Common Licensing BM® Rational® ClearCase® 7.1.: Service Account Remote Administration WHFS Case Sensitivity MVFS Settings ClearCase File Server (CCFS) Customize Tool Shortcuts: Clea Desktop Shortcut ClearCase Atria Licensing | Configuration for IBM® Rational@ ClearCase@ 7.1.1 MVFS Case Sensitivity Check this item if you want to use Windows style file lookup that is not case-sensitive. Clear this item if you want to use UNIX style file lookup that is case-sensitive. The MVFS will also preserve the case of view-private filenames. Image: Mot Case-Sensitive Check this item if you want to preserve the case of view-private filenames. Check this item if you want to preserve the case of view-private filenames. Clear this item if you want to convert view-private filenames to lowercase. Case Preserving |
|) | < Back Next > Instell Cancel |

Panel for specifying file case sensitivity.

Select file case sensitivity to be applied, and click Next to Continue.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Fill in the configurations for the packages. Instal Prerequisite Li Fill Common Configurations | censes Location Features Summary | |
|---|----------------------------------|----|
| Common Licensing Common Licensing BM® Rational® ClearCase® 7.1.: Registry and Mail Servers Remote Administration MVFS Case Sensitivity MVFS Settings ClearCase File Server (CCFS) Customize Pop-Up Menu: Clear Customize Tool Shortcuts: Clea Desktop Shortcut ClearCase Atria Licensing | MVFS Settings | M: |

ClearCase configuration panel. Make any changes, or none, and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

CCFS configuration panel.

| 🛓 IBM Installation Manager | |
|--|---|
| Install Packages Fill in the configurations for the packages. | renses Location Features Summary |
| Common Configurations Common Licensing BM® Rational® ClearCase® 7.1.: Registry and Mail Servers Remote Administration MVFS Case Sensitivity MVFS Settings ClearCase File Server (CCFS) ClearCase File Server (CCFS) Customize Tool Shortcuts: Clea Desktop Shortcut ClearCase Atria Licensing | Configuration for IBM® Rational@ ClearCase@ 7.1.1 ClearCase File Server (CCFS) Do you want to enable CCFS for this installation? O Ygs, enable CCFS Image: The server of th |
| 0 | < Back Next > Install Cancel |

Set CCFS configuration for your installation and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| BM Installation Manager Install Packages Fill in the configurations for the packages. Install Prerequisite Lic | renses Location Features Summary |
|--|--|
| Common Configurations Common Licensing BM® Rational® ClearCase® 7.1.: BM® Rational® ClearCase® 7.1.: Registry and Mail Servers Remote Administration MVFS Case Sensitivity MVFS Settings ClearCase File Server (CCFS) Customize Pop-Up Menu: Clear Customize Tool Shortcuts: Clea Desktop Shortcut ClearCase Atria Licensing | Configuration for IBM® Rational@ ClearCase@ 7.1.1 Customize Pop-Up Menu: ClearCase Explorer Do you want to specify a pop-up menu customization file for ClearCase Explorer? Mg, use the default pop-up menu Yes, use this customization file: Browser |
| Ð | < <u>Back</u> Next > Install Cancel |

ClearCase Explorer customization panel.

Set ClearCase Explorer customization script, if any, and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Installation Manager Install Packages Fill in the configurations for the packages. Install Prerequisite Li | censes Location Features Summary |
|--|---|
| Common Configurations Common Licensing IBM® Rational® ClearCase® 7.1.: Service Account Registry and Mail Servers Remote Administration MVFS Case Sensitivity MVFS Settings ClearCase File Server (CCFS) Customize Tool Shortcuts: Clear Desktop Shortcut ClearCase Atria Licensing | Configuration for IBM® Rational@ ClearCase@ 7.1.1 Customize Tool Shortcuts: ClearCase Explorer Do you want to specify a tool shortcuts customization file for ClearCase Explorer? Ø Ng, use the default tool shortcuts Ø Ygs, use this customization file Browse |
|) | < <u>Back</u> <u>Next</u> <u>Install</u> Cancel |

Set ClearCase Explorer shortcut customization, if any, and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| M Installation Manager | |
|--|--|
| Install Packages Fill in the configurations for the packages. | |
| Install Prerequisite Li | censes Location Features Summary |
| Common Configurations | Configuration for IBM® Rational® ClearCase® 7.1.1 Desktop Shortcut |
| IBM® Rational® ClearCase® 7.1.: Service Account Registry and Mail Servers Remote Administration MYFS Case Sensitivity MYFS Case Sensitivity OMYFS Case File Server (CCFS) Customize Pop-Up Menu: Clear Customize Tool Shortcuts: Clear ClearCase Atria Licensing | Do you want to create a shortcut for ClearCase Explorer on your desktop? O Yes, create the shortcut No, do not create the shortcut |
| × × | |

Set desktop shortcut link preference, and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| M Installation Manager Install Packages Fill in the configurations for the package Install Prerequisite | Licenses Location Features Summary |
|--|---|
| Common Configurations Common Licensing Service Account Registry and Mail Servers Remote Administration MVFS Case Sensitivity MVFS Settings ClearCase File Server (CCFS Customize Pop-Up Menu: Cle Desktop Shortcut Settial Licensing | Configuration for IBM® Rational® ClearCase® 7.1.1 ClearCase Atria Licensing Selecting Atria licensing overrides common licensing in Rational ClearCase. Use ClearCase Atria Licensing Where is your license server? On a remote host Enter remote host Enter remote host Enter license keys (required): On my local host Enter license keys (required): |
| | < <u>B</u> ack <u>N</u> ext > <u>Install</u> Cancel |

Opportunity to use ClearCase Atria style licensing. Configure, or not, and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Install Packages | | |
|---|--|---|
| Review the summary information. Click Back to make changes or cli | ick Install. | 4 |
| Install Prerequisite Licenses Location | n Features Summary | |
| Target Location | | |
| Package Group Name: IBM Rational SDLC | | |
| Installation Directory: C:\Program Files\IBM\RationalSDLC | | |
| Shared Resources Directory: C:\Program Files\IBM\IMShared | | |
| Packages | | |
| Client Components Component | | |
| Environment | Disk Space Information | |
| English | Total Available Space C: 8.65 GB | |
| | | |
| | Total Download Size: 362.09 MB Total Installation Size: 712.81 MB | |

Summary of packages to be installed. Click Install to begin.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| install Packages | | |
|---|---|---|
| Review the summary information. Click Back to make changes or click Ins | tall. | 2 |
| Install Prerequisite Licenses Location | Features Summary | |
| Target Location | | |
| Package Group Name: IBM Rational SDLC | | |
| Installation Directory: C:\Program Files\IBM\RationalSDLC | | |
| Shared Resources Directory: C:\Program Files\IBM\IMShared | | |
| Packages | | |
| Packages | | |
| Companie Views Companie Views Companie Views | | |
| Control Views Control Views Control Views Control Views Control Viewal Studio Integration Control Viewal Studio Integration | | |
| Control Views Control Views Control Views Control Views Control Viewal Studio Integration | Did Good Information | |
| Environment | Disk Space Information | |
| Environment English | Disk Space Information Total Available Space C: 8.65 GB | |
| English | Disk Space Information Total Available Space C: 8.65 GB Total Download Size: 362.09 MB Total Installation Size: 712.81 MB | |

Bar graph reflects installation progress. Can be paused if desired.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| LIBM Installation Manager | | |
|---------------------------|---|--------|
| Install Packages | | |
| | The packages are installed. <u>View Log File</u> | |
| | The following package was installed into package group IBM Rational SDLC: | |
| | IBM® Rational® ClearCase® Ige Client Components By Dynamic Views Coal Views and VOBs By Microsoft Visual Studio Integration | |
| | Installation Manager was successfully installed into: C:\Program Files\IBM\Installation Manager\eclipse | |
| | Note: If the packages support rollback, the temporary directory contains rollback files for installed packages. You can delete the files on the <u>Files for rollback</u> preference page. | - |
| | To complete the installation, you must restart your computer. | - |
| | O Restart Later | |
| | | |
| 0 | | Einish |

Click on Finish to initiate an immediate reboot of the machine. Upon startup, ClearCase Doctor will initiate:



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| ClearCase Doctor | _ <u> </u> |
|---|----------------|
| | |
| ClearCase Doctor Logon Testing | X |
| ClearCase has been installed on this workstation since you last logged in. | Start Analysis |
| we recommend that you drow clear case boccar to the know any comparatively problems. | <u> </u> |
| Don't Start ClearCase Doctor on subsequent logons. To future, run in background and only report problems. | Help |
| С Always run at logon time. | |
| Topics A Problems & Resolutions | |

Set preference for ClearCase Doctor, and run it. ClearCase 7.1.1 is now installed! OK, now that we've installed a version of ClearCase, we would like to make sure that it is the latest version, and also install the corresponding version of ClearQuest. The first thing to do is bring up the newly installed version of Installation Manager. It will now be in your Start -> All Programs menu. Start it up and choose Preferences from the File menu.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008



The intent is to populate the repositories list with the locations of both the ClearCase and ClearQuest install areas.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Preferences | | _ |
|---|--|--|
| | Repositories | $\left< \star \Rightarrow \star \right>$ |
| Repositories Appearance | Repositories: | |
| Files for Rollback | Location Connection | Add <u>R</u> epository |
| - Internet | | Edit Repository |
| ···· Passport Advantage ···· Updates | | Remo <u>v</u> e Repository |
| | | Move Up |
| | | Move Down |
| | | ⊆lear Credentials |
| | | Test Connections |
| | | |
| | | |
| | | |
| | Service repositories are remote locations where updates or extensions to packages (including the Instal stored. IV Search service repositories during installation and updates. | lation Manager itself) are |
| | Res | store Defaults Apply |
| 5 | | OK Cancel |

Here we have the Repositories preference page. We will populate this with ClearCase and ClearQuest. Click the Add Repository button, and navigate to the install areas for the products.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| 🖄 Preferences | | | |
|---|---|-------------------------------|--|
| type filter text | Repositories | | $\leftarrow \ \cdot \ \bullet \ \cdot \ \bullet$ |
| Repositories Appearance Files for Rollback Help Thernet | Repositories: Location V \\europe\ccase_rls\Rational_7.1.1\ClearCase_7.1.1_Windows\disk1\diskTag.inf | Connection | Add <u>R</u> epository |
| Passport Advantage | ()europe(ccase_rls(Rational_7.1.1)(clearQuest_7.1.1_Windows(disk1)(diskTag.int | | |
| | | | Move Up |
| | | | Move Down |
| | | | ⊆lear Credentials |
| | | | Test Connections |
| | | | |
| | | | |
| | I Service repositories are remote locations where updates or extensions to packages (including ☑ Search service repositories during installation and updates. | the Installation M Restore | lanager itself) are stored. Defaults |
| 0 | | | OK Cancel |

Notice that the Tag.inf file is selected as the choice to represent each install repository. Click on the Test Connections button to see if communication with each repository is valid.

| Preferences | | |
|---|---|---|
| type filter text | Repositories | $\Leftrightarrow * \Rightarrow * \bullet$ |
| Repositories Appearance | Repositories: | |
| Files for Rollback | Location Connect | tion Add <u>R</u> epository |
| | Weurope(ccase_rls)Rational_7.1.1(ClearQuest_7.1.1_windows)disk1(disk1gg.infi Windows)disk1(disk1gg.infi | Edit Repository |
| Updates | | Remove Repository |
| | 🖄 Test Connection 🔀 | Move Up |
| | All the selected repositories are connected. | Move Down |
| | | <u>C</u> lear Credentials |
| | | Test Connections |
| | | |
| | | |
| | | |
| | | |
| | Service repositories are remote locations where updates or extensions to packages (including the Instal Search service repositories during installation and updates. | lation Manager itself) are stored. |
| | | |
| | 1 | Restore Defaults Apply |
| 0 | | OK Cancel |



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

Connections are valid. Click OK on the popup, then click OK to return to Installation Manager.

Click Update in Installation Manager to begin the ClearCase update process and also install ClearQuest. The screen below should be displayed.

| Installation Manager | | |
|---|-----------------------------------|--------------------|
| Update Packages | | |
| Select a package group to find updates for. | | 1 C |
| | | |
| Package Group Name | Directory | |
| IBM Rational SDLC | C:\Program Files\IBM\RationalSDLC | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Update <u>a</u> ll | | |
| Dataile | | |
| | | |
| IBM Rational SDLL | | |
| Shared Resources Directory: C:(Program Files(IBM)(Imbhared Jackallation Directory: C:(Program Files(IBM)(Imbhared)) | | |
| Eclinge IDE: C/Drogram Eilec/TRM/PlationalSDLC | | |
| Installed Packages and Fives | | |
| IBM® Rational® ClearCase® 7.1.1 | | |
| | | |
| | | |
| | | |
| | | |
| | < Rock Max | vt > Update Cancel |
| | < Dank Mes | Cancer Cancer |

Click Next to proceed with updating the Package Group containing ClearCase. Most likely, the current version of Installation Manager will need to be upgrade, and the pop-up below will display.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| BIBM Installation Manager | | _ 🗆 × |
|--|---|---------------------------------------|
| | 🙆 IBM Installation Manager 📃 | |
| Update Packages Select the updates or fixes to install. | A new version of IBM Installation Manager is available. You must update | |
| Update | Manager, click Yes. To return to the Start page, click No. Do you want to update the Installation Manager? | |
| The second | Yes No Details > | > |
| P | rogress Information | |
| | Checking availability of Installation Manager updates | |
| | | |
| | | |
| | Cancel | |
| O Show all ⊙ Show recommended | | Select Recommended |
| Details | | <u> </u> |
| IBM® Rational® ClearCase® 7.1.1.03 | | |
| SThe "IBM® Rational® ClearCase® 7.1.1 "1.3.3". | .03" installation package requires Installation Manager version "1.3.4.1" or later. The ru | nning Installation Manager is version |
| Comprehensive software configuration mar Views, advanced build management, and U | agement that helps teams control everything that evolves in the development process. F ified Change Management. <u>More info</u> | Features Snapshot and Dynamic |
| Renository: http://public.dbe.ibm.com/s | ftware/rationalsdn/team/v711/cc/nt_i386/undates/ | • |
| 0 | < <u>B</u> ack | Next > Update Cancel |
| | | |

Click Yes to proceed with the upgrade to Installation Manager.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Select the updates or fixes to install. | 🖄 Restart Installation Manager 🛛 🔀 | |
|--|---|--------------------|
| Update D Veta IBM Rational SDLC D Veta IBM® Rational® ClearCase® 7.1.1 (In Comparison of the set | Installation Manager has been updated to version: 1.4.1 Click OK to restart it. | |
| | Checking availability of Installation Manager updates | |
| | Cancel | Select Decommonded |
| | | Delect Kecommended |
|)etails | | f |
| (BM® Rational® ClearCase® 7.1.1.03 | | |
| The "IBM((s) Rational(s) ClearCase(s) 7.1.1.03" installs "1.3.3". | ation package requires Installation Manager Version "1.3.4.1" or later. The running Installation Mar | hager is version |
| Comprehensive software configuration management th Views, advanced build management, and Unified Chang | nat helps teams control everything that evolves in the development process. Features Snapshot ar ge Management. <u>More info</u> | nd Dynamic _ |
| | | |

The upgrade of Installation Manager will complete. Click OK to restart Installation Manager. The new version should start, and present as the following screen shot. Click on the Install link.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| 18M Installation Manager File Help | | | |
|---------------------------------------|--|-----------------|--|
| IBM Installation Manager | | | |
| | Install Install software packages. | | |
| | Update Discover and install updates and fixes to installed software packages. | Manage Licenses | |
| | Modify Change installed software packages by adding or removing features and functions. | Uninstall | |
| IBM. | | | |

Install link brings up the following panel. Notice ClearCase is already marked as installed.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Testelleties Deskenses | Chabur | [the second sec | Linear Key Trees |
|--|---|--|---|
| Installation Packages | Status | vendor | License key Type |
| | Installed | TDM | |
| | Triscalled | 1014 | |
| | | TDM | |
| | | 1014 | |
| | | | |
| | | | |
| Show all versions | | Check for Other | Versions, Fixes, and Extensions |
| Show all versions Details | | Check for Other V | Versions, Fixes, and Extensions |
| Show all versions Details IBM® Rational® ClearCase® 7.1.1 | | Check for Other V | Versions, Fixes, and Extensions |
| Show <u>all versions</u> Details IBM® Rational® ClearCase® 7.1.1 Comprehensive software configuration management that h | ielos teams control everythina tha | ⊆heck for Other \ | Versions, Fixes, and Extensions |
| Show <u>all versions</u> Details (BM® Rational® ClearCase® 7.1.1 Comprehensive software configuration management that h Snapshot and Dynamic Views, advanced build management | ielps teams control everything tha | Check for Other V at evolves in the develop nt. More info | Versions, Fixes, and Extensions oment process. Features |
| Show <u>all versions</u> Details IBM® Rational® ClearCase® 7.1.1 Comprehensive software configuration management that h Snapshot and Dynamic Views, advanced build management Repository: \\europe\ccase_rls\Rational_7.1.1\ClearCas | ielps teams control everything tha ;, and Unified Change Managemer se_7.1.1_Windows\disk1 | Check for Other where the sevelop of the develop of | Versions, Fixes, and Extensions , oment process. Features |
| Show all versions Details IBM® Rational® ClearCase® 7.1.1 Comprehensive software configuration management that h Snapshot and Dynamic Views, advanced build management Repository: \\europe\ccase_rls\Rational_7.1.1\ClearCase | velps teams control everything tha ;, and Unified Change Managemer se_7.1.1_Windows\disk1 | Check for Other V at evolves in the develop it. More info | Versions, Fixes, and Extensions |
| Show <u>all</u> versions Details IBM® Rational® ClearCase® 7.1.1 Comprehensive software configuration management that he Snapshot and Dynamic Views, advanced build management Repository: \\europe\ccase_rls\Rational_7.1.1\ClearCase | ielps teams control everything tha ;, and Unified Change Managemer se_7.1.1_Windows\disk1 | Check for Other water volves in the develop at evolves in the develop at. <u>More info</u> | Versions, Fixes, and Extension oment process. Features |

Check the boxes for ClearQuest so that it will be the next product installed.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Falast the analysis to install | | | |
|---|---|------------------------|---------------------------------|
| belect the packages to install, | | | |
| Installation Packages | Status | Vendor | License Key Type |
| 🕂 🛄 🧊 IBM® Rational® ClearCase® | Installed | | |
| | Installed | IBM | |
| IBM® Rational® ClearQuest® | | 1014 | |
| | will be installed | 10M | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | Chark for Other V | Jersians Eives and Extension |
| Show all versions | | Check for Other (| Persions, Fixes, and Extensions |
| | | | |
| Details | | | |
| Details | | | |
| Details BM® Rational® ClearQuest® 7.1.1 | | b 6 i - b - | Marine 1-6- |
| Details BM® Rational® ClearQuest® 7.1.1 A flexible defect and change tracking system that captu | ires and tracks all types of changes for | any type of project. [| More info |
| Details BM® Rational® ClearQuest® 7.1.1 A flexible defect and change tracking system that captu • Repository: \\europe\ccase_rls\Rational_7.1.1\Clear | ires and tracks all types of changes for Quest_7.1.1_Windows\disk1 | any type of project. [| More info |
| Details BM® Rational® ClearQuest® 7.1.1 A flexible defect and change tracking system that capture • Repository: \\europe\ccase_rls\Rational_7.1.1\Clear | ires and tracks all types of changes for Quest_7.1.1_Windows\disk1 | any type of project. [| More info |
| Details BM® Rational® ClearQuest® 7.1.1 A flexible defect and change tracking system that capture Repository: \\europe\ccase_rls\Rational_7.1.1\Clear | res and tracks all types of changes for Quest_7.1.1_Windows\disk1 | any type of project. (| More info |

ClearQuest is selected for install, click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008



Existing process need shutdown. Bring up ClearCase Home Base and halt ClearCase. Click Recheck Status after halting ClearCase. Next button should now be un-grayed.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Install Packages Validate the prerequisites for the selected packages. Click the marked nodes for additional information about prerequisites. Install Prerequisite Licenses Location Features Summary Validation Results IBM® Rational® ClearQuest® 7.1.1 Stopper/docview.wss?rs=203context=5W000q1=1135295yid=swg2113529f for information on how to prevent potential system corruption. | BM Installation Manager | |
|--|--|--|
| Validate the prerequisites for the selected packages. Click the marked nodes for additional information about prerequisites. Instal Prerequisite Licenses Location Features Summary Validation Results STOP! Before proceeding with this install, please close all applications and disable anti-virus software. Check http://ilm.com/support/docview.wss?rs=203context=5W000q1=1135295uid=swg2113529f for information on how to prevent potential system corruption. | Install Packages | |
| Instal Prerequisite Licenses Location Features Summary Validation Results Image: Ministry of the state of | Validate the prerequisites for the selected packages | . Click the marked nodes for additional information about prerequisites. |
| Install Protequaste Locadori Peadles Jaiming | Install Decreativity Lisenses | - Location Eastware Summary |
| IBM® Rational® ClearQuest® 7.1.1 STOP! Before proceeding with this install, please close all applications and disable anti-virus software. Check http://lbm.com/support/docview.wss?rs=203context=SW000q1=1135295uid=swg2113529! for information on how to prevent potential system corruption. | Validation Deputs | Locadon reacties Summary |
| | 🚯 IBM® Rational® ClearQuest® 7:1.1 | STOP! Before proceeding with this install, please close all applications and disable anti-virus software. Check http://lbm.com/support/docview.wss?rs=203context=5W000q1=1135295uid=swg2113529 for information on how to prevent potential system corruption. |
| Recheck Status | | Recheck Status |
| < Back Mext > Instell Cancel | 0 | < <u>Back</u> <u>N</u> ext > Install Cancel |

Click Next to continue with ClearQuest install.



SPK and Associates

900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| R | ead the following license agreements carefully. |
|-----------------|---|
| | Install Prerequisite Licenses Location Features Summary |
| IV | APORTANT: READ CAREFULLY |
| T۱ | wo license agreements are presented below. |
| 1. 2. | . International License Agreement for Evaluation of Programs . International Program License Agreement |
| If cli | Licensee is obtaining the Program for purposes of productive use (other than evaluation, testing, trial "try or buy," or demonstration): By icking on the "Accept" button below, Licensee accepts the International Program License Agreement, without modification. |
| If Cli Li | Licensee is obtaining the Program for the purpose of evaluation, testing, trial "try or buy," or demonstration (collectively, an "Evaluation"): By icking on the "Accept" button below, Licensee accepts both (i) the International License Agreement for Evaluation of Programs (the "Evaluation cense"), without modification; and (ii) the International Program License Agreement (the "IPLA"), without modification. |
| Tł | he Evaluation License will apply during the term of Licensee's Evaluation. |
| Tł af | ne IPLA will automatically apply if Licensee elects to retain the Program after the Evaluation (or obtain additional copies of the Program for use fter the Evaluation) by entering into a procurement agreement (e.g., the IBM International Passport Advantage or the IBM Passport dvantage Express agreements). |
| Tł | he Evaluation License and the IPLA are not in effect concurrently; neither modifies the other; and each is independent of the other. |
| Tł | he complete text of each of these two license agreements follow. |
| | |
| • | |
| ç | I go not accept the terms in the license agreement |
| | |
| | < <u>B</u> ack <u>N</u> ext > <u>Install</u> Cano |

Accept license agreement and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| A package group is a location that contains one or more packages | s, some compacible packages can be inscalled into a common package | L |
|---|--|----------------------------|
| group and will share a common user interrace. Select an existing | blockage group, or create a new one. | |
| | auun leatures Junnary | |
| Use the existing package group | | |
| Create a new package group | | |
| Package Group Name | Installation Directory | |
| ······ ⁹ 8a IBM Rational SDLC | C:\Program Files\IBM\RationalSDLC | |
| | | |
| | | |
| | | |
| | | |
| Package Group Name: IBM Rational SDLC | | |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC | Browse | |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details | Browse | |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details Shared Resources Directory: C:\Program Files\IBM\IMShared | Disk Space Information | |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details • Shared Resources Directory: C:\Program Files\IBM\IMShared • Eclipse IDE: C:\Program Files\IBM\RationalSDLC | Disk Space Information Volume Available Space C: 7.12 GB | ÷ |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details • Shared Resources Directory: C:\Program Files\IBM\IMShared • Eclipse IDE: C:\Program Files\IBM\RationalSDLC Installed Packages | Disk Space Information Volume Available Space C: 7.12 GB | ÷ |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details • Shared Resources Directory: C:\Program Files\IBM\IMShared • Eclipse IDE: C:\Program Files\IBM\RationalSDLC Installed Packages • IBM@ Rational@ ClearCase@ 7.1.1 | Disk Space Information Volume Available Space C: 7.12 GB | 3 |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details • Shared Resources Directory: C:\Program Files\IBM\IMShared • Eclipse IDE: C:\Program Files\IBM\RationalSDLC Installed Packages • IBM® Rational® ClearCase® 7.1.1 | Disk Space Information Volume Available Space C: 7.12 GB | 2 |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details • Shared Resources Directory: C:\Program Files\IBM\IMShared • Eclipse IDE: C:\Program Files\IBM\RationalSDLC Installed Packages • IBM® Rational® ClearCase® 7.1.1 | Disk Space Information Volume Available Space C: 7.12 GB | |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details • Shared Resources Directory: C:\Program Files\IBM\IMShared • Eclipse IDE: C:\Program Files\IBM\RationalSDLC Installed Packages • IBM® Rational® ClearCase® 7.1.1 | Disk Space Information Volume Available Space C: 7.12 GB | 2 2 7 7 7 7 |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC Details • Shared Resources Directory: C:\Program Files\IBM\IMShared • Eclipse IDE: C:\Program Files\IBM\RationalSDLC Installed Packages • IBM® Rational® ClearCase® 7.1.1 | Disk Space Information Volume Available Space C: 7.12 GB | |

Click Next to acknowledge use of existing Package Group.



Ph: 888-310-4540

SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| install i ackages | 5 | | | | | |
|-----------------------------|------------------|-----------------------|-----------|------------|------------------------|-------------------------|
| 5elect the features to inst | all. | | | | | E |
| Install Prere | quisite | Licenses Loc | ation F | eatures Su | Immary | |
| Features | | | | | | |
| 🖃 📝 🧊 IBM® Rationa | l® ClearQuest | B 7.1.1 | | | | |
| 🗄 🗹 🗞 Client Com | ponents | | | | | |
| Ration | al ClearQuest | Ilient | | | | |
| Micros | oft Visual Studi | o Integration | | | | |
| Micros | oft Project Inte | gration | | | | |
| Ration | al ClearQuest I | or Windows Client | | | | |
| Admin | istration Tools | | | | | |
| Comm | and Line Interf | ace | | | | |
| CM Lib | rary Samples a | nd Documentation | | | | |
| 🖃 🔲 🐚 Server Co | mponents | | | | | |
| 🕀 🗖 🚺 Web S | erver Compon | ents | | | | |
| Repor | t Server for Cle | arQuest | | | | - |
| - Benor | t Server for Cr | ictal Denorte | | | | |
| Show dependencies | | | | E | xpand All Collapse All | <u>R</u> estore Default |
| 🍻- Selected by Installatic | on Manager bed | ause of dependencies | 5 | | | |
| | | | | | | |
| Details | | | | | | |
| Rational ClearQuest fo | r Windows Cl | ient | | | | |
| his is the the Microsoft W | indows interfa | e to IBM Rational Cle | arQuest. | | | |
| | | | | | | |
| | | | | | | |
| Disk Space Informatio | n | | | | | |
| | Volume | Required | Temporary | Total | Available | |
| | C: | 330.34 MB | 175.28 MB | 505.62 MB | 7.12 GB | |
| Shared Resources Area | | | | 000 04 110 | 7 40 50 | |

Select additional packages needed, and click Next to continue.



Campbell, CA 95008

SPK and Associates 900 E Hamilton Ave, Ste.100



Click Next to accept existing license server.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| | | ary | | | |
|-------------------------------------|---|-----|--|--|--|
| Common Configurations | Configuration for IBM® Rational® ClearQuest® 7.1 E-mail Notification | .1 | | | |
| E- U IBM® Rational® ClearQuest® 7.1 | Enable E-mail notification | | | | |
| | Configure the Simple Mail Transport Protocol (SMTP). | | | | |
| | Outgoing SMTP server (required): | | | | |
| | Text to use as the E-mail "From" field (required): | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Default e-mail notification panel.

Fill in e-mail notification fields, and click Next to continue.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| nstall Packages | -N |
|--|---|
| Review the summary information. Click Back to make changes or click | k Install. |
| Install Prerequisite Licenses Location | Features Summary |
| larget Location | |
| Package Group Name: IBM Rational SDLC Installation Directory: C:\Program Files\IBM\RationalSDLC | |
| onared Resources Directory: С:(Program Files(נטאיןנאסהared Packages | |
| Packages | |
| | |
| Rational ClearQuest for Windows Client | |
| Rational ClearQuest for Windows Client | Disk Space Information |
| Rational ClearQuest for Windows Client | Disk Space Information Total Available Space C: 7.12 GB |
| Rational ClearQuest for Windows Client | Disk Space Information Total Available Space C: 7.12 GB Total Download Size: 357.94 MB Total Installation Size: 828.86 MB |
| Rational ClearQuest for Windows Client | Disk Space Information Total Available Space C: 7.12 GB Total Download Size: 357.94 MB Total Installation Size: 828.86 MB |

Click Install to proceed with ClearQuest installation.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Install Packages | | | |
|---|--|--|----|
| Review the summary infor | mation. Click Back to make changes or c | lick Install. | T. |
| Install Prerec | juisite Licenses Locatio | on Features Summary | |
| Target Location | | | |
| Package Group Name: | IBM Rational SDLC | | |
| Installation Directory: | C:\Program Files\IBM\RationalSDLC | : | |
| Shared Resources Directo | ry: C:\Program Files\IBM\IMShared | | |
| Packages | | | |
| Packages | | | |
| | ClearQuest Client Visual Studio Integration ClearQuest for Windows Client | | |
| ₩ Rational | EearQuest Client Visual Studio Integration ElearQuest for Windows Client | | |
| Environment | EearQuest Client Visual Studio Integration ElearQuest for Windows Client | Disk Space Information | |
| Environment English | EearQuest Client Visual Studio Integration ElearQuest for Windows Client | Disk Space Information Total Available Space C: 7.12 GB | |
| English | EearQuest Client Visual Studio Integration ElearQuest for Windows Client | Disk Space Information Total Available Space C: 7.12 GB Total Download Size: 357.94 MB Total Installation Size: 828.86 MB | |
| Environment English Repository Informa | EearQuest Client Visual Studio Integration ElearQuest for Windows Client | Disk Space Information Total Available Space C: 7.12 GB Total Download Size: 357.94 MB Total Installation Size: 828.86 MB | |
| Environment English Repository Informa ling.: Retrieving files at 2. | EearQuest Client Visual Studio Integration ElearQuest for Windows Client Clien 9 MB/s. 1.6 MB of 38 MB (5%) complete | Disk Space Information Total Available Space C: 7.12 GB Total Download Size: 357.94 MB Total Installation Size: 828.86 MB | |

Install is proceeding with bar graph displaying progress. Pause can be used if needed.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| IBM Installation Manager |
|---|
| Install Packages |
| The packages are installed. <u>View Log File</u> |
| The following package was installed: |
| □ [®] to IBM Rational SDLC |
| |
| |
| |
| |
| |
| |
| Note: If the packages support rollback, the temporary directory contains rollback files for installed packages. You can delete the files on the <u>Files for</u> <u>rollback</u> preference page. |
| Teinish |
| |

ClearQuest install has now completed. Click Finish to complete the process.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

We now have compatible versions (7.1.1) of both ClearCase and ClearQuest installed. The next action we want to take is to update these tools to the latest patch level. From the Installation Manager starting page, click Update.





SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Select a package group to find updates for. | | 8 |
|---|-----------------------------------|-----|
| | | |
| Package Group Name | Directory | |
| ······ 🖳 IBM Rational SDLC | C:\Program Files\IBM\RationalSDLC | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Update all | | |
| | | |
| Details | | |
| IBM Rational SDLC | | |
| Shared Resources Directory: C:\Program Files\IBM\IMShared | | |
| Installation Directory: C:\Program Files\IBM\RationalSDLC | | |
| Eclipse IDE: C:\Program Files\IBM\RationalSDLC | | |
| Installed Packages and Fixes | | |
| IBM® Rational® ClearCase® 7.1.1 | | |
| IBM® Rational® ClearQuest® 7.1.1 | | |
| | | |
| | | |
| IBM(® Rational(® ClearQuest(® 7.1.1 | | |
| | < Back Next > Lindate | Can |

We only have one Package Group, so there is nothing to select here. Click Next to continue.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| 1 Installation Manager | | | |
|--|----------------|----------------|--------------------|
| Update Packages | | | |
| Select the updates to install. | | | |
| Update | Recommended | Vendor | |
| E R LEM Rational SDLC | | | |
| Version 7.1.1.03 | ~ | IBM | |
| 🗄 🗤 📝 IBM® Rational® ClearQuest® 7.1.1 (Installed) | | | |
| ·····☑ 🕼 Version 7.1.1.03 | * | IBM | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Show recommended only | | | Select Recommended |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | < <u>B</u> ack | <u>N</u> ext > | Update Cancel |
| | | | |

After clicking the Select Recommended button, the latest patch level will be selected for download and install. In this case, version 7.1.1.3 is available, and selected for install.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008



Respond to any warning about active applications causing a conflict with the install, and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Update Packages | Updates Prerequisite Licenses Features Summary |
|--|--|
| □ IBM Rational ClearCase □ License Agreement □ Third Party □ IBM Rational ClearQuest □ License Agreement | IMPORTANT: READ CAREFULLY Two license agreements are presented below. 1. International License Agreement for Evaluation of Programs 2. International Program License Agreement If Licensee is obtaining the Program for purposes of productive use (other than evaluation, testing, trial "try or buy," or demonstration): By clicking on the "Accept" button below, Licensee accepts the International Program License Agreement, without modification. If Licensee is obtaining the Program for the purpose of evaluation, testing, trial "try or buy," or demonstration (Clicetively, an "Evaluation"): By clicking on the "Accept" button below, Licensee accepts both (i) the International License Agreement for Evaluation of Programs (the "Evaluation License"), without modification; and (ii) the International Program License Agreement (the "IPLA"), without modification. The Evaluation License will apply during the term of Licensee's Evaluation. The IPLA will automatically apply if Licensee elects to retain the Program after the Evaluation (or obtain additional copies of the Program for use after the Evaluation) by entering into a procurement agreement (e.g., the IBM International Passport Advantage or the IBM Passport Advantage Express agreements). The Evaluation License and the IPLA are not in effect concurrently; neither modifies the other; and each is independent of the other. |
| • Taccent the terms in the lic | ense agreements |

Accept the license agreements, and click Next.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Update Packages | |
|--|---|
| Select the features to install. | |
| Update Packages Updates Prerequi: | site Licenses Features Summary |
| Features | |
| E TONG Katoliaig clearqueste 7.1.1.03 | |
| | |
| | Expand All Collapse All Restore |
| ☐ §how dependencies ☆- Selected by Installation Manager because of depende | Expand All Collapse All Restore |
| ☐ <u>5how dependencies</u> ☆- Selected by Installation Manager because of depende Details | Expand All Collapse All Restore |
| Show dependencies Selected by Installation Manager because of depende Details IBM® Rational® ClearCase® 7.1.1.03 | Expand All Collapse All Restore |
| Selected by Installation Manager because of depender because of depender because of depender because of depender because because of depender because because of depender because because of the because be | Expand All Collapse All Restore encies helps teams control everything that evolves in the development process. Features it, and Unified Change Management. |
| Show dependencies Selected by Installation Manager because of depende Details IBM® Rational® ClearCase® 7.1.1.03 Comprehensive software configuration management that I Snapshot and Dynamic Views, advanced build managemen Disk Snace Information | Expand All Collapse All Restore encies helps teams control everything that evolves in the development process. Features it, and Unified Change Management. |

It is possible to adjust which package features will be installed, or uninstalled. For our purposes, we will go with what has been previously selected. Click Next to continue.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| | | / | | | |
|--|---|---|--|--|--|
| Update Packages Updates 🔿 | Prerequisite Licenses Features Summary | | | | |
| □ 10 IBM® Rational® ClearCase® 7.1.: C | Configuration for IBM® Rational® ClearCase® 7.1.1.03 Service Account | | | | |
| | Enter the user account for ClearCase server processes. | | | | |
| | Account domain (required): | | | | |
| | Server process user name (required): clearcase_albd | | | | |
| | Password (required): | | | | |
| | Confirm password (required): | | | | |
| | The service account must be a member of the ClearCase Administrator group | | | | |
| | | _ | | | |
| | Cl <u>e</u> arCase administrator group (required): atria | | | | |
| | Bypass ALBD account check. | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Click Next to accept the previously entered configuration information, and to continue.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| puale rackages | | | | | | F |
|--|--------------------------|--------------------|-----------------|--------|--------|----|
| Review the summary informatio | n. Click Back to make ch | anges or click Upo | late. | | | U. |
| Update Packages 刘 🛛 | Jpdates Prereq | uisite 🔰 Lic | enses 🔪 Featu | ires S | ummary | |
| Target Location | | | | | | |
| Package Group Name: I | | | | | | |
| Installation Directory: | C:\Program Files\IBM\Ra | tionalSDLC | | | | |
| Shared Resources Directory: (| C:\Program Files\IBM\IM | Shared | | | | |
| Ipdates | | | | | | |
| Features To Install | | | Features To Rem | ove | | |
| □ IBM® Rational® Clear ■ 1 IBM® Client Components | Quest® 7.1.1.03 | | | | | |
| isk Space Information | | | | | | |
| Total Available Space | | | | | | |
| C. 0.51 GD | | | | | | |
| otal Download Size: 324.27 M | MB | | | | | |
| | MD | | | | | |
| Repository Information | | | | | | |
| | | | | | | |

Click Update to begin the install of the new patch levels.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008

| Jpdate Packages | |
|---|---------------------------|
| Review the summary information. Click Back to make changes or click L | Jpdate. |
| Update Packages Updates Prerequisite | Licenses Features Summary |
| Target Location | |
| Package Group Name: IBM Rational SDLC | |
| Installation Directory: C:\Program Files\IBM\RationalSDLC | |
| Shared Resources Directory: C:\Program Files\IBM\IMShared | |
| Jpdates | |
| Features To Install | Features To Remove |
| | |
| Disk Space Information Total Available Space | |
| C: 6.31 GB | |
| Fotal Download Size: 324.27 MB Fotal Installation Size: 855.11 MB | |
| Repository Information | |
| | |

As before, the bar graph displays the progress with the update.



SPK and Associates 900 E Hamilton Ave, Ste.100 Campbell, CA 95008



The update to Rational patch level 7.1.1.3 has completed. A system restart will be needed to finalize everything, which can be selected now, or postponed. In our case, click Finish to restart the machine.

We have now gone through the upgrade process to get us to Rational version 7.1.x from a version prior to 7.1. Other products can also be installed along with ClearCase and ClearQuest. This would make the example longer than it is, and the benefit would not be enhanced.

Also, as has been previously stated, much of this can be automated with response files, and a custom install area, tailored to the particular site. What we have viewed here constitutes a general upgrade case.