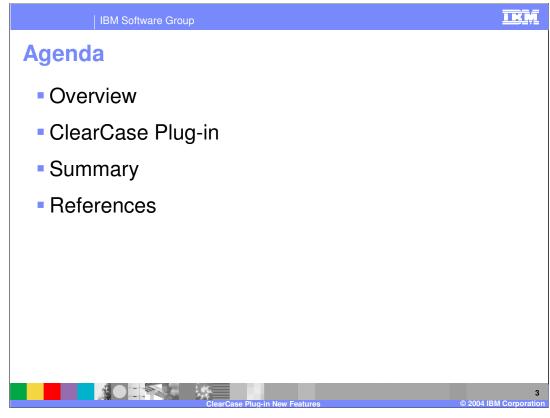


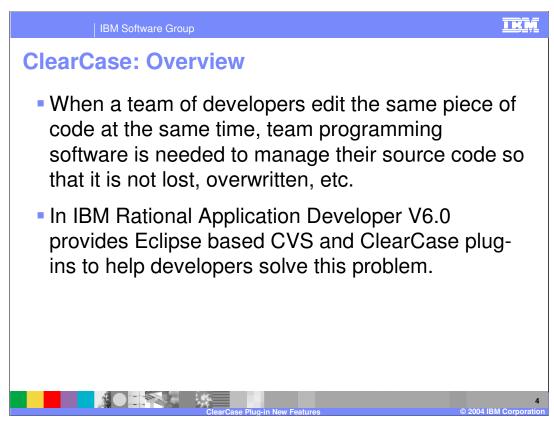
To understand the new team programming features in IBM Rational Application Developer V6.0.

At the end of the presentation, you will know how to use the new features in IBM Rational Application Developer V6.0.



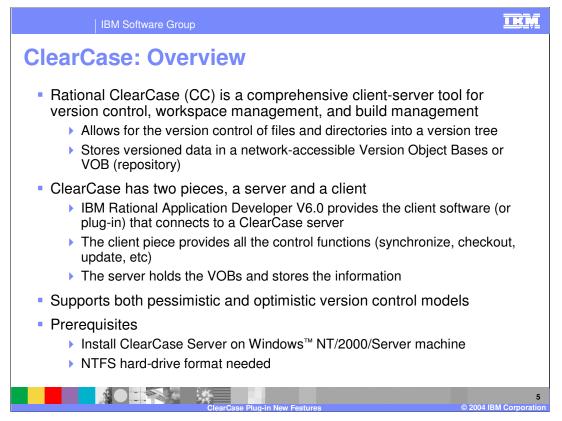
Overview ClearCase SCM Adapter – new features ClearCase Remote Client for Eclipse ClearQuest Client for Eclipse CVS New Features

Summary / References / Glossary



When a team of developers edit the same piece of code at the same time, team programming software is needed to manage their source code so that it is not lost, overwritten, etc.

In IBM Rational Application Developer V6.0 answers with Eclipse based CVS and ClearCase plug-ins to help developers solve this problem.



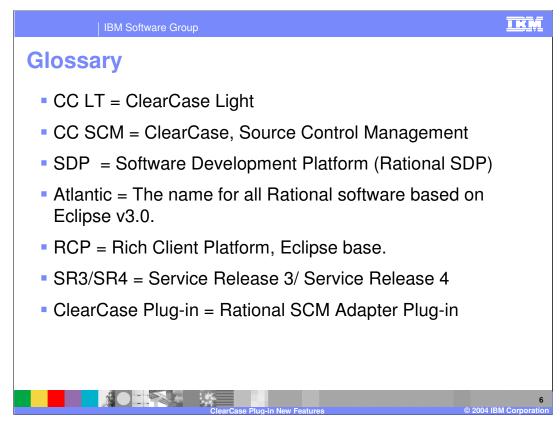
So what is ClearCase? Rational ClearCase (CC) is a comprehensive client-server tool for version control, workspace management, and build management. It allows for the version control of files and directories into a version tree. Then it stores this versioned data in a network-accessible Version Object Bases or VOB (repository).

ClearCase has two pieces, a server and a client. IBM Rational Application Developer V6.0 provides the client software (or plug-in) that connects to a ClearCase server. The client piece provides all the control functions (synchronize, checkout, update, etc). The server holds the VOBs and stores the information. Supports both pessimistic and optimistic version control models

Prerequisites

Install ClearCase Server on Windows NT/2000/Server machine

NTFS hard-drive format needed



Since there are new additions to the ClearCase lineup, it is necessary to introduce a few acronyms....

CC LT = ClearCase Light

CC SCM = ClearCase, Source Control Management

SDP = Software Development Platform (Rational SDP)

Atlantic = The name for all Rational software based on Eclipse v3.0.

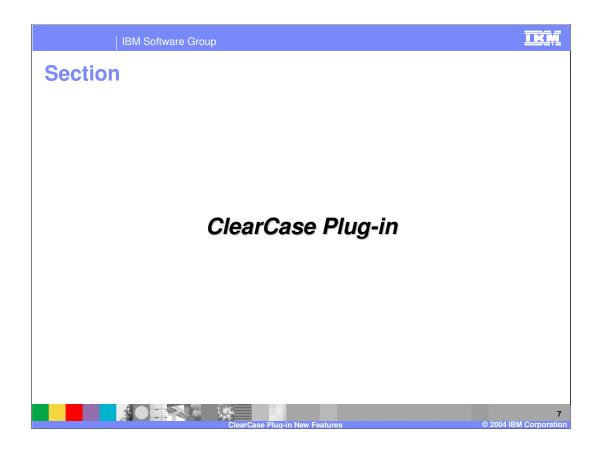
RCP = Rich Client Platform, Eclipse base.

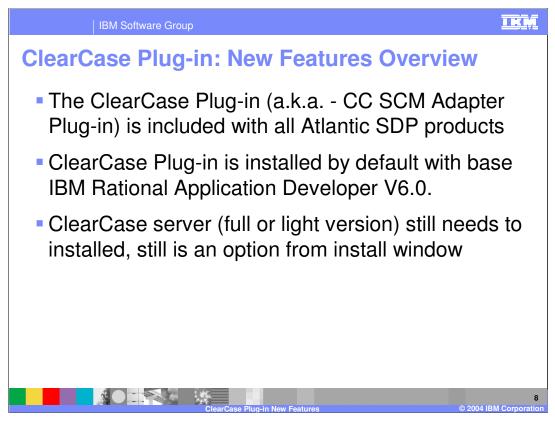
SR3/SR4 = Service Release 3/ Service Release 4

ClearCase Plug-in = Rational SCM Adapter Plug-in

CVS = Concurrent Versions System

VOB = Version Object Base



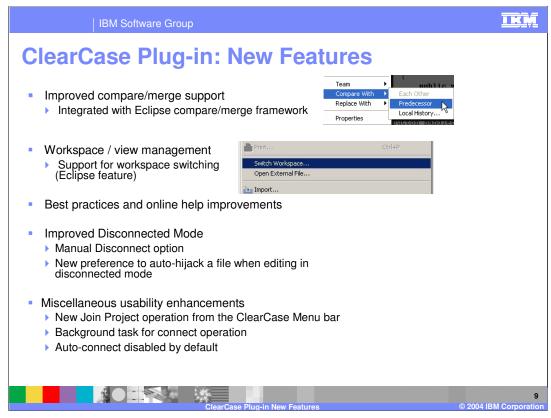


CC SCM Adapter is included with all Atlantic SDP products

CC LT v2003.06.13 (SR3) is included with all Atlantic SDP products, with the exception of RWD.

CC SCM Adapter is installed by default. No need to choose optional component at install time

ClearCase server (full or light version) still needs to installed.



Improved compare/merge support

Integrated with Eclipse compare/merge framework

Manual Disconnect option – previously you would have to shut down the IDE and bring it back up and choose not to connect.

Workspace / view management

Support for workspace switching (Eclipse feature)

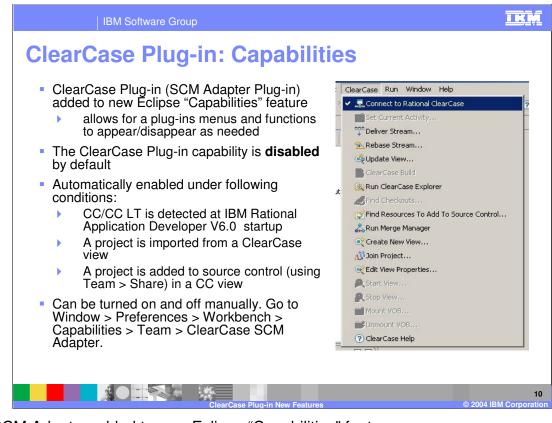
Best practices and online help improvements

Improved Disconnected Mode

Manual Disconnect option New preference to auto-hijack a file when editing in disconnected mode

Miscellaneous usability enhancements

New Join Project operation from the ClearCase Menu bar Background task for connect operation Auto-connect disabled by default



CC SCM Adapter added to new Eclipse "Capabilities" feature.

Capabilities allow for a plug-ins menus and functions to be turned on and off as needed.

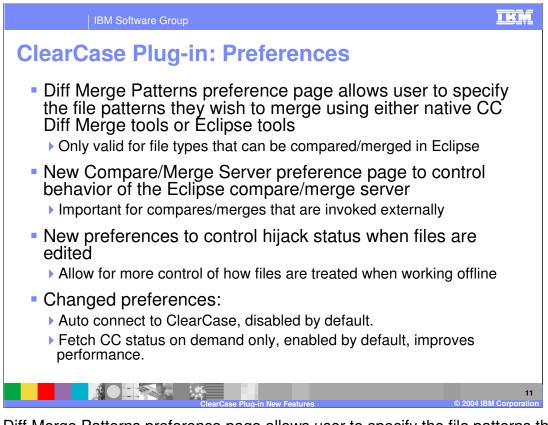
CC SCM Adapter capability is disabled by default and are automatically enabled under following conditions:

CC/CC LT is detected at IBM Rational Application Developer V6.0 startup

A project is imported from a ClearCase view

A project is added to source control (using Team > Share) in a CC view

Can be turned on and off manually. Go to Window > Preferences > Workbench > Capabilities > Team > ClearCase SCM Adapter.



Diff Merge Patterns preference page allows user to specify the file patterns they wish to merge using either native CC Diff Merge tools or Eclipse tools

Only valid for file types that can be compared/merged in Eclipse

New Compare/Merge Server preference page to control behavior of the Eclipse compare/merge server

Important for compares/merges that are invoked externally

New preferences to control hijack status when files are edited

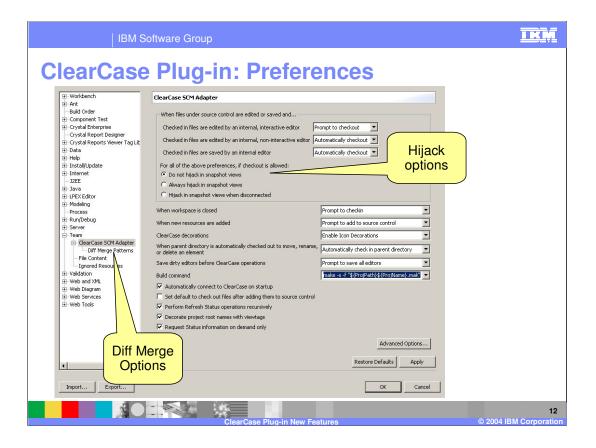
Allow for more control of how files are treated when working offline

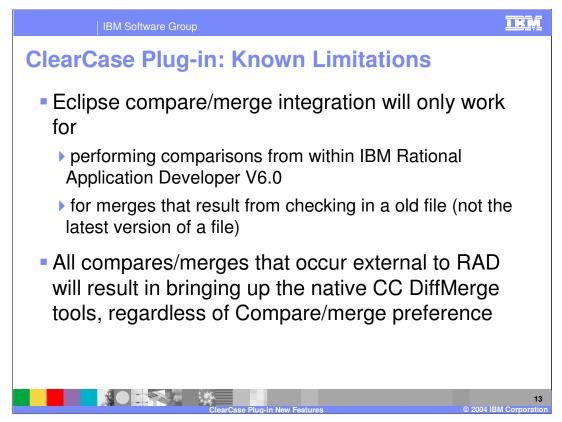
Preference to manually enable/disable capability is under Workbench > Capabilities > ClearCase SCM Adapter

Changed preferences:

Auto connect to ClearCase, disabled by default.

Fetch CC status on demand only, enabled by default, improves performance.

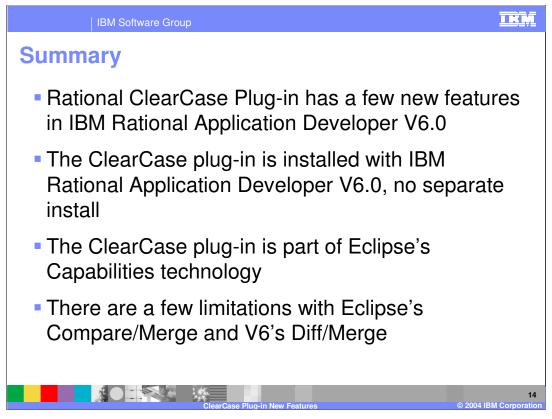




Know Limitations

Eclipse compare/merge integration will only work for performing comparisons from within RAD or for merges that result from checking in a non-LATEST file

All compares/merges that occur external to RAD will result in bringing up the native CC DiffMerge tools, regardless of Compare/merge preference



Rational ClearCase Plug-in has a few new features in IBM Rational Application Developer V6.0

The ClearCase plug-in is installed with IBM Rational Application Developer V6.0, no separate install

The ClearCase plug-in is part of Eclipse's Capabilities technology

There are a few limitations with Eclipse's Compare/Merge and V6's Diff/Merge

The ClearCase Plug-in will be superceded by the ClearCase Remote Client

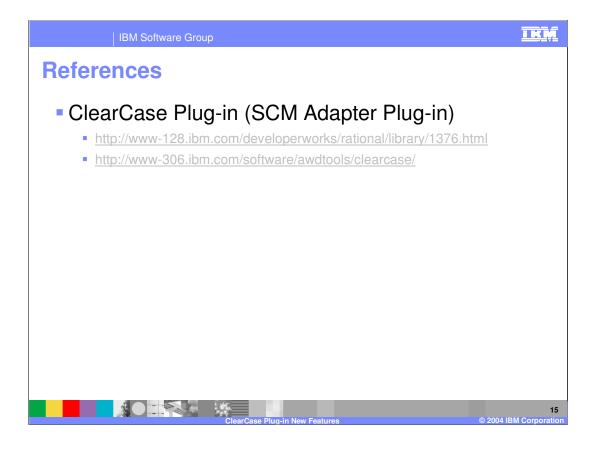


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