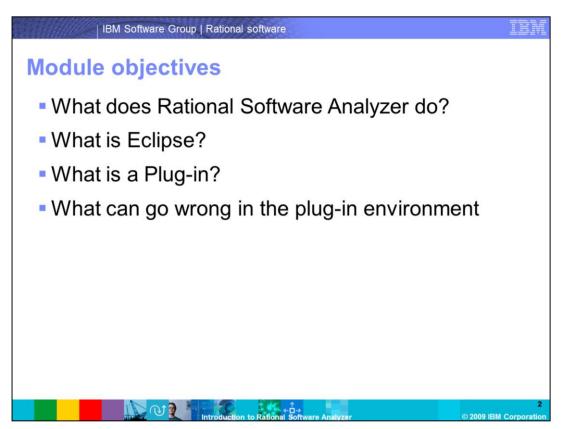


This module will cover an Introduction to IBM Rational® Software Analyzer versions 7.0 and higher.

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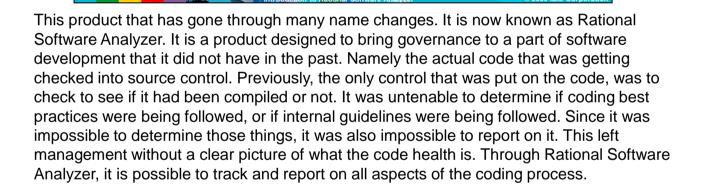


This course covers four topics. The first topic outlines what Rational Software Analyzer does. The last three topics cover what Eclipse and a plug-in is and what can go wrong in the plug-in environment. When you complete this module, you will have an overview of what Rational Software Analyzer is used for.

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What is Rational Software Analyzer?

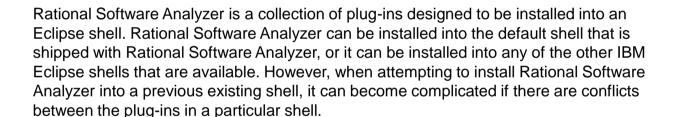
- The goal: Bring governance to an area of software where it previously was not which is writing code.
- Through the creation of rules, it makes possible to create and enforce programming practices and guidelines, which makes better code quality.
- Additionally Rational Software Analyzer allows for easy reporting by compiling the rule compliance statistics and running reports against the results.



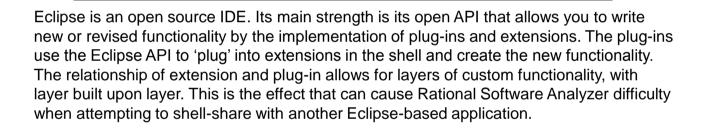
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What is Software Analyzer? (continued)

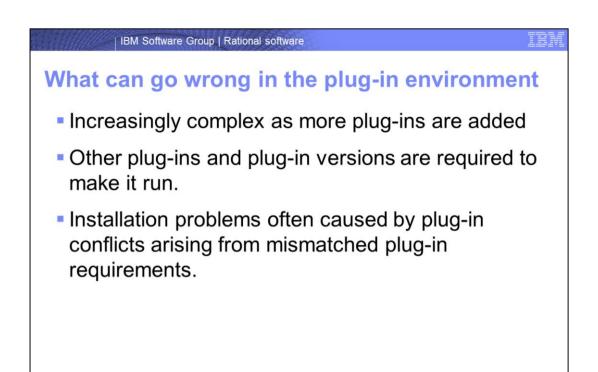
- Foundations of Rational Software Analyzer
 - ▶ Rational Software Analyzer is a collection of plug-ins for Eclipse.
 - ▶ The actual product is dependent on a functioning Eclipse shell for Rational Software Analyzer to be installed into.
 - This can be problematic as many IBM products include an Eclipse shell, into which Rational Software Analyzer can be installed.
 - Getting two eclipse applications to install into a single Eclipse shell, is called shell-sharing.



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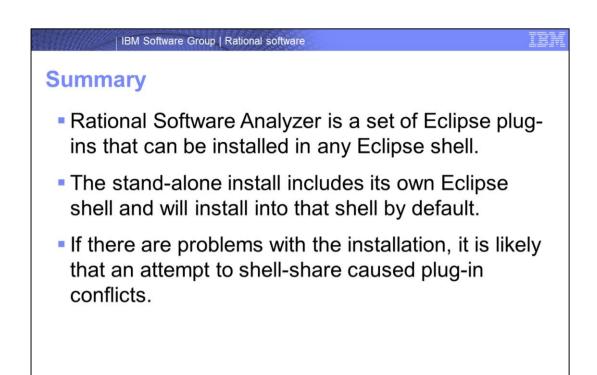
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The chain relationship can cause problems as plug-ins will require a specific extension to plug into. Different Eclipse shells can have different versions of the plug-ins and therefore different extensions. This is where there can be shell sharing conflicts when different plug-in versions are not matching up. For example, you have a set of plug-ins that requires plug-in A to be version 1.4, but you attempt to install another set of plug-ins built on plug-in A 1.5. There can be a conflict that does not allow both to be installed simultaneously. Plug-ins can be fragile in this way in that they require a specific set of plug-ins installed beforehand to make it work. This can cause problems if you attempt to install into a shell with a different plug-in environment than the Rational Software Analyzer default shell. Plug-ins are written with a set of rules in them that outline the requirements of the plug-ins.

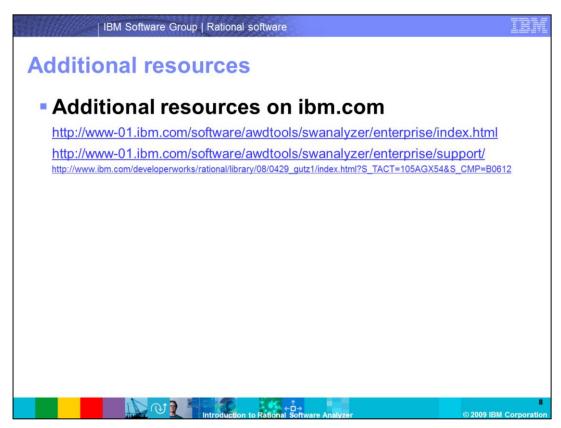
Introduction to Rational Soft

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This module provided an overview of what Rational Software Analyzer is. You are now familiar with Eclipse and the plug-in environment. And finally you have an understanding of what can go wrong in the plug-in environment.

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Additional resources are located on the ibm.com Web site. There is also an article on "Static analysis IBM Rational Software Analyzer: Getting started" which is located on DeveloperWorks.

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