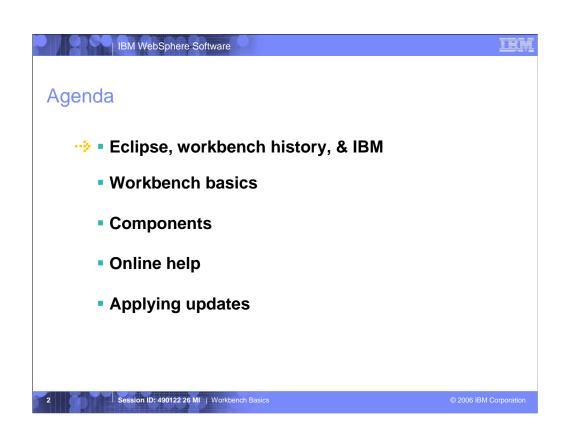


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IBM WebSphere Development Studio Client for iSeries Workbench Basics:

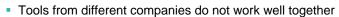
Everything You Need to Know but Didn't Know to Ask

George Voutsinas
Development manager: WebSphere Development Studio Client for iSeries





The Challenge



- Developers had [and still do!] better things to do than integrate tools
- Tool vendors had [and still do!] better things to do than reinvent the wheel
- No one vendor could do it all



3

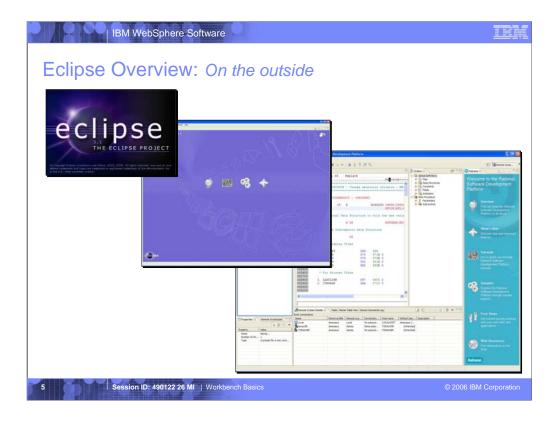
Session ID: 490122 26 MI | Workbench Basics



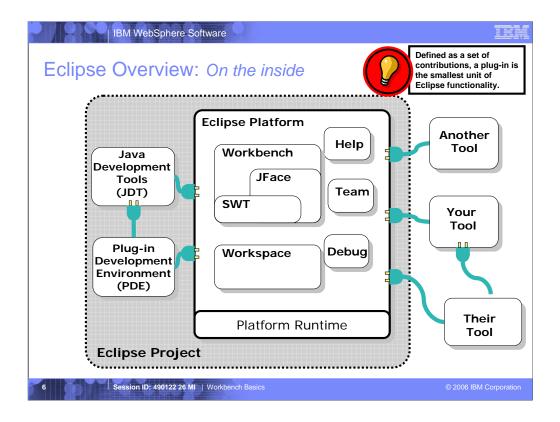
The Solution

- Eclipse project originally created by OTI and IBM
- Framework on which a variety of tools can be built
 - Wide range of operating systems: Windows, Linux, Unix
- Extensible, seamless tool integration new tools easily added by writing plug-ins
- Language independent
- Attracted a community of tool developers
 - Now over 100 active vendor participants
- Effort transitioned into open source project
 - IBM donated initial Eclipse code base

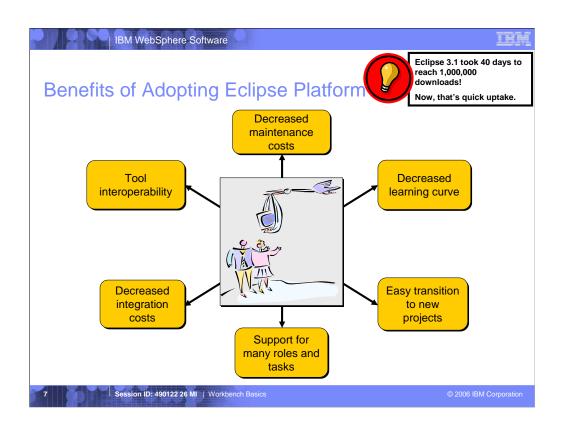
4 Session ID: 490122 26 MI | Workbench Basics

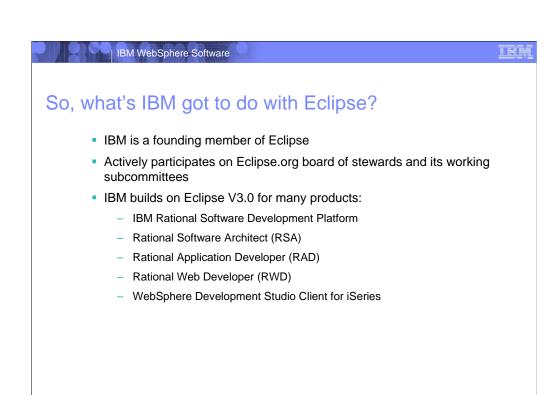


If you only get to show one slide, this is the one that best captures "The Big Picture".

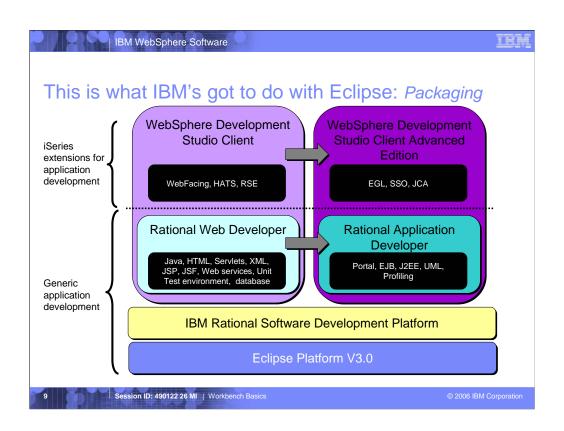


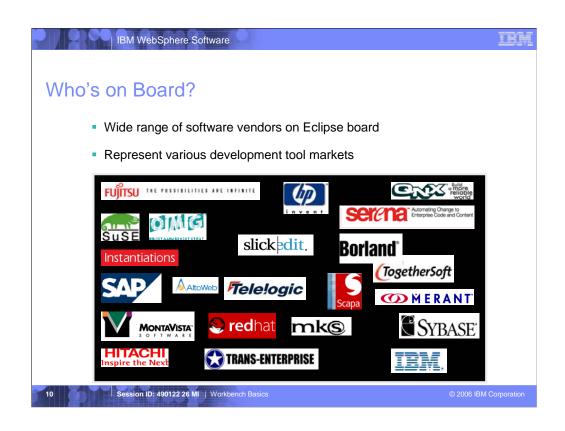
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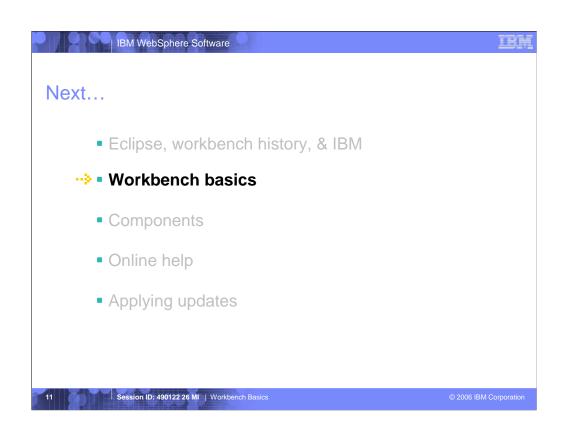


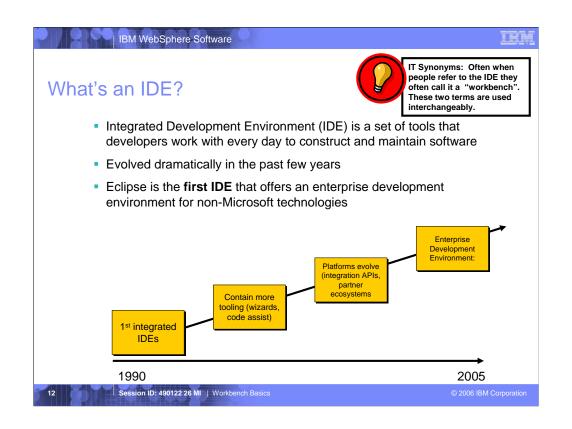


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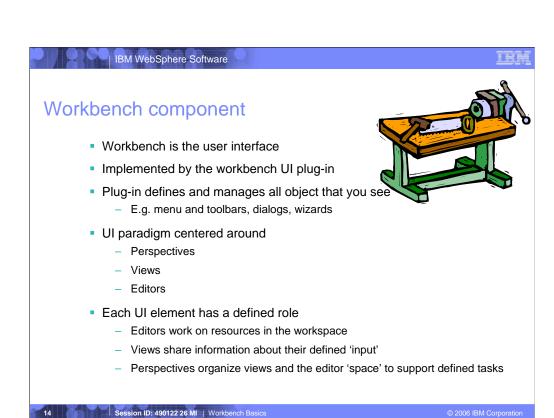
IBM Rational Software Development Platform

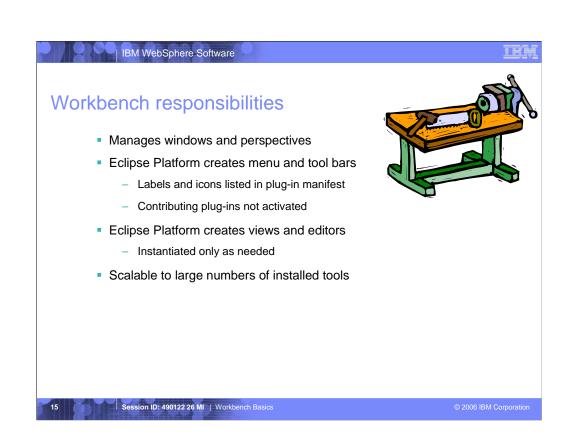
- IBM branded IDE
- Based on a 4-pronged infrastructure: Eclipse, Eclipse Modeling Framework (EMF), MDD platform, & standard modeling approaches (e.g. UML)
- Includes products from all IBM Software Group brands (Rational, WebSphere, Tivoli, DB2 and Lotus)
 - Advantage of unifying all IBM Software Group development tools within a single platform
- Open and modular workbench
 - Can purchase and adopt it in parts
- Spans all capabilities of software development cycle
 - requirements & analysis → deployment management

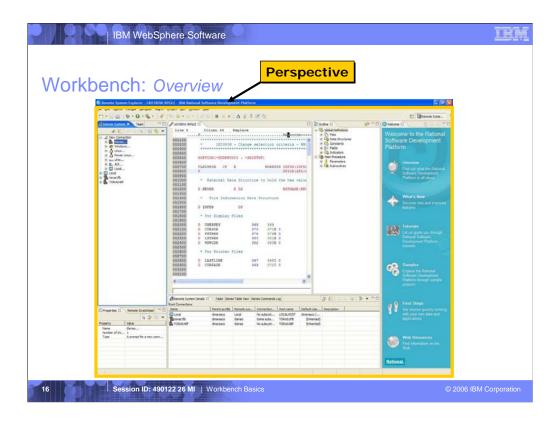
13 Session ID: 490122 26 MI | Workbench Basics

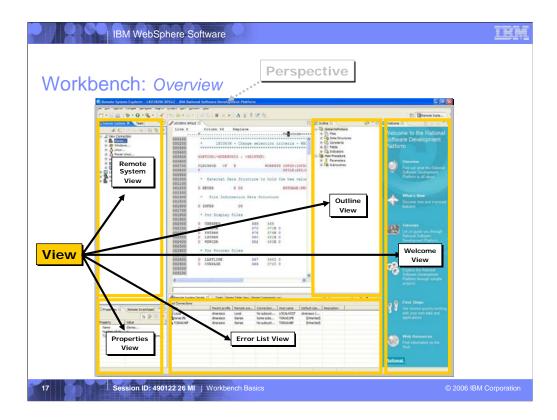
© 2006 IBM Corporation

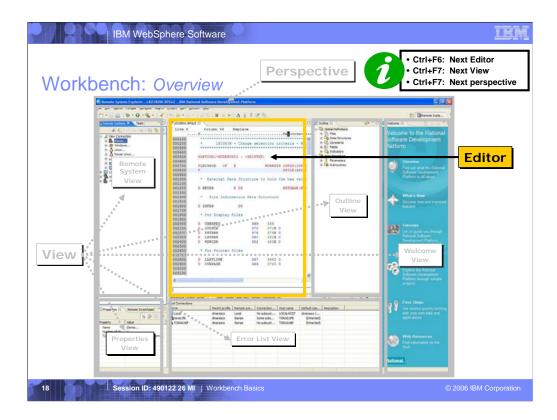
IHN

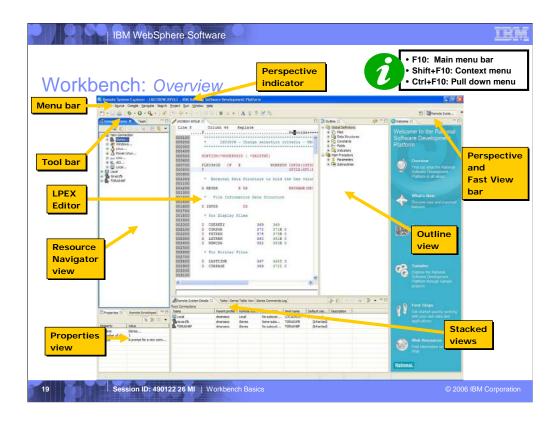


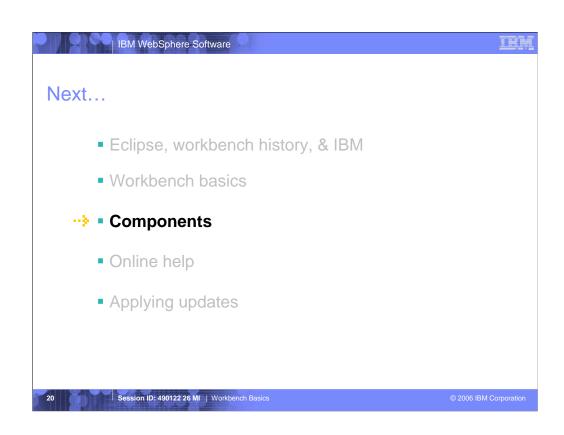


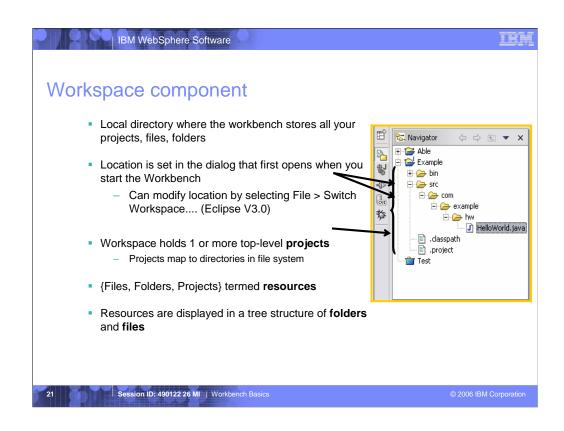


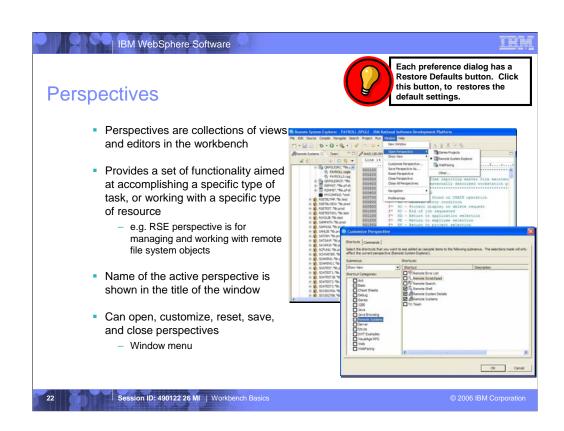


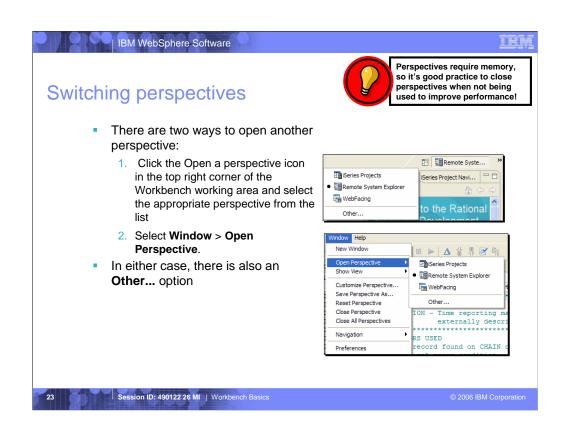












Tailor made perspectives...

- Flexibility of the IDE allows you to open, customize, reset, save, and close perspectives
 - Window > Customize Perspective....

1. Customize

- Add, close, move, and resize views
- Window > Show View and select the view you would like to add to the currently open perspective

2. Move

- Move a view to another pane by using drag and drop
- Views are stacked > use the tabs at the top of the view to switch between them
- Select a view's title bar, drag the view, and drop it on top of another view

3. Drag

- While you drag the view, the mouse cursor changes into a drop cursor
- Drop cursor indicates what will happen when you release the view you are dragging
- In each case, the area that will be filled with the dragged view is highlighted with a rectangular outline.
 - E.g. → = The view will dock to the right of the view under the cursor.

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Saving customized perspectives come in handy in situations where a development is being shared between several developers.

...Tailor made perspectives

4. Fast View

- Appears as a button in 3 docked locations in the IDE [left, bottom (default) and right]
- Click the button to toggle whether or not the view is displayed on top of the other views in the perspective.

5. Maximize/minimize a view

- Maximize a view to fill the whole working area of the Workbench
 - Double-click the title bar of the view, press Ctrl+M, or click the Maximize icon
- Minimize a view so that only the tab is visible
 - Click the minimize button in the toolbar of a view

6. Save

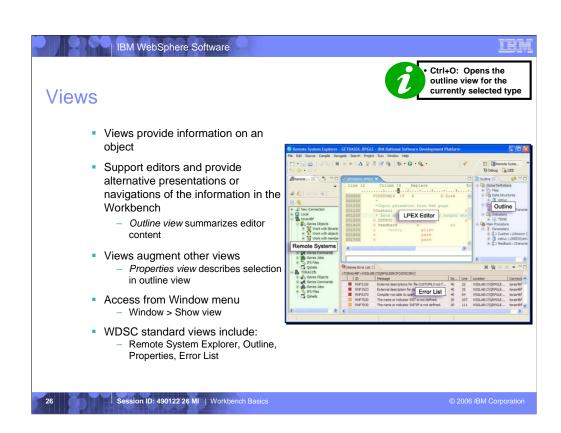
- Save customizations as your own perspective
 - Window > Save Perspective As....

7. Restore

- Restore the currently opened perspective to its original layout
 - Select Window > Reset Perspective.

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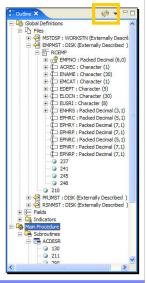






 Periodically refresh your source while using the Outline view by clicking the refresh button at the top of the view.

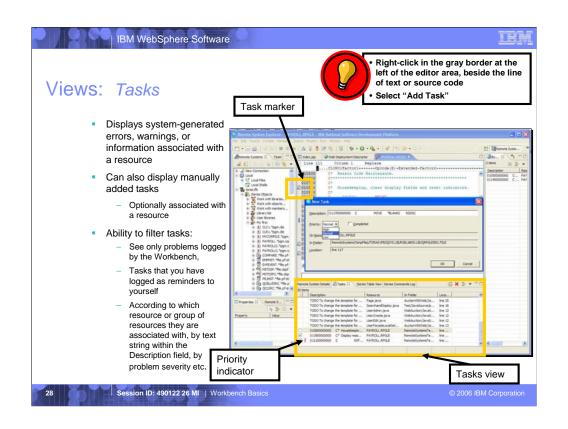
- Great resource when you want to edit ILE RPG, COBOL, or DDS source
 - View is also available for Java
- Displays a structural outline of items defined in the file currently open in the editor
 - Icons are provided to indicate the type of element in the source, such as a record (DDS), Fields (ILE RPG)
- Clicking an item in the outline will position you in the editor view at the line where that structure element is defined
- Uses
 - Check definitions in the Outline view instead of jumping back and forth in the source between the calculations and the definitions
 - If you notice that a definition is incorrect, click the definition in the outline view to quickly jump to the appropriate place in your source, without having to search for the definition.
 - 3. Quickly view the return and resolved values listed beside your procedure prototypes

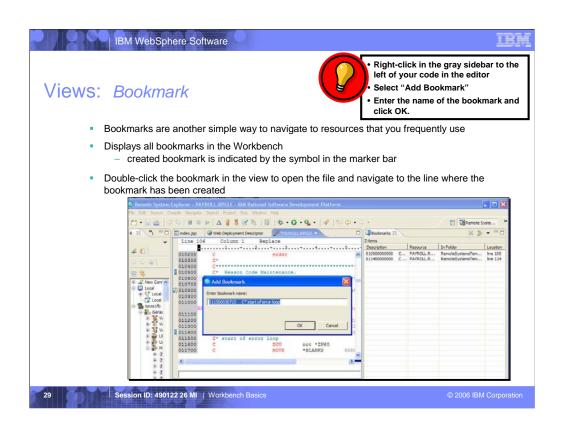


Session I

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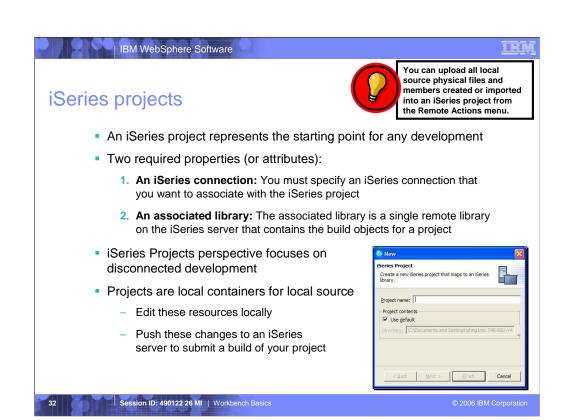
Projects

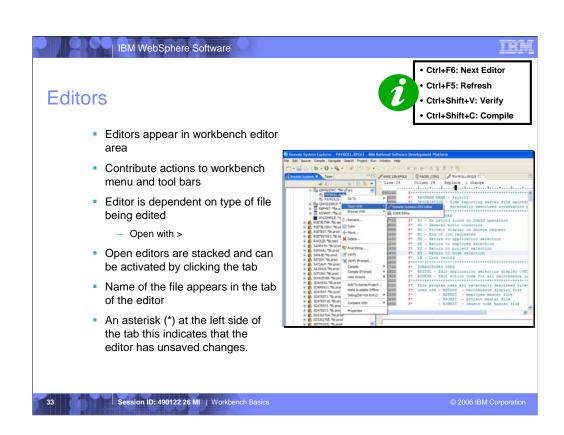


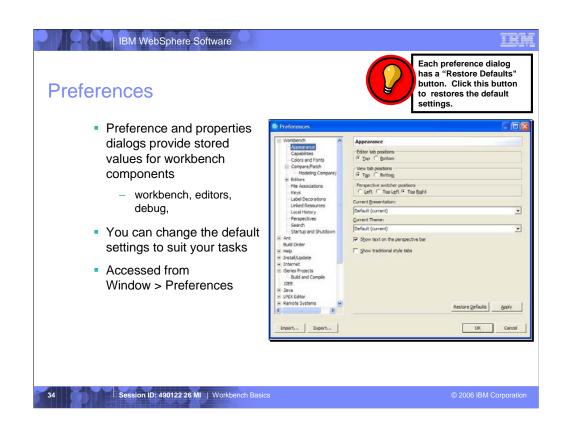
Unless otherwise specified, projects are created in the workspace directory. When projects are deleted, you have the choice of also deleting the contents or not.

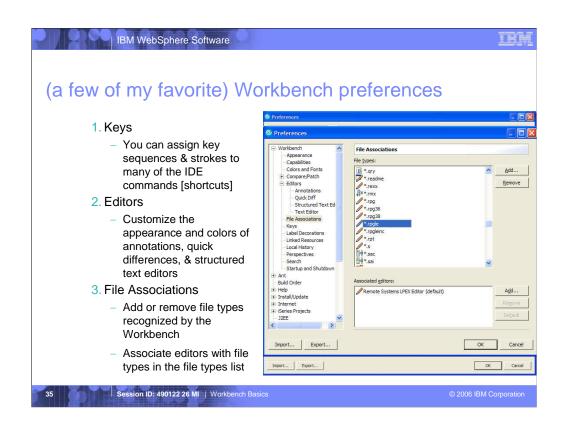
- Top level of organization of your resources in the workbench
 - Contains files and folders
- Used for building, version management, sharing, and organizing resources
- May contain session and persistent properties, settings for environmental variables, and references to other projects
- You can create different kinds of projects with different structures
 - e.g. Java, Web, WebFacing, iSeries
- The type of project specifies its properties
- To create a project:
 - Select File > New > Project....

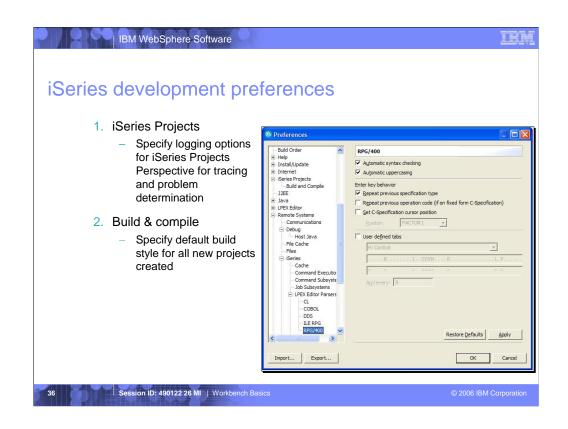
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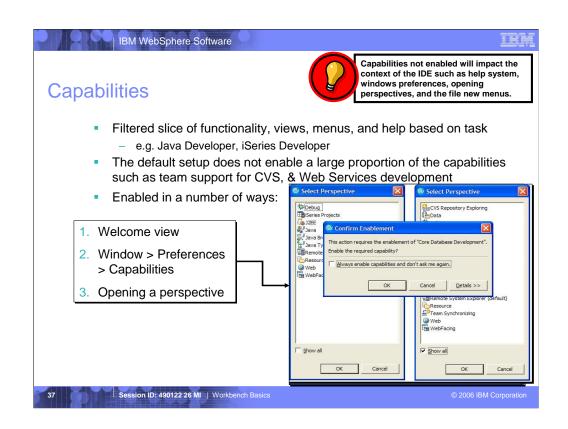












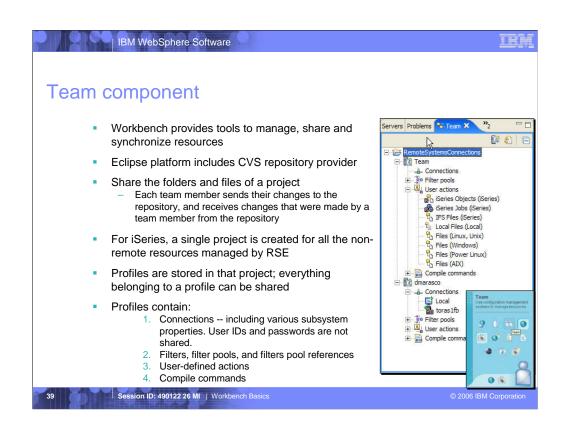
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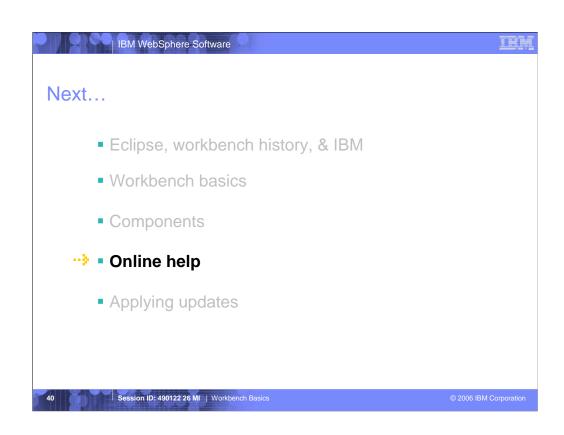
User actions

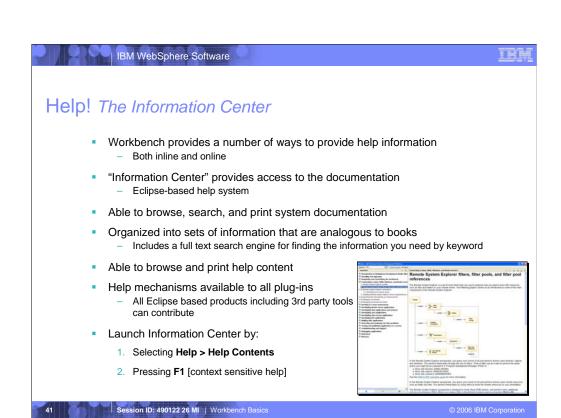
- User defined server commands that run against resources such as files and folders on your server
- Each user action has:
 - 1. A unique name
 - 2. A command (that might have substitution variables)
 - 3. Substitution variables that are replaced with information from the resource (such as its name) when the command is run
 - 4. An optional comment used to describe the action in more detail
 - 5. Various options to affect what happens when the command is run
 - e.g. Prompt first
 - One or more file types that limit the action to specific types of remote resources
- Expand the connection containing the kinds of resources you want to act on, navigate to the subsystem that would contain those resources
 - Select Work with > User actions > Work With User Actions window

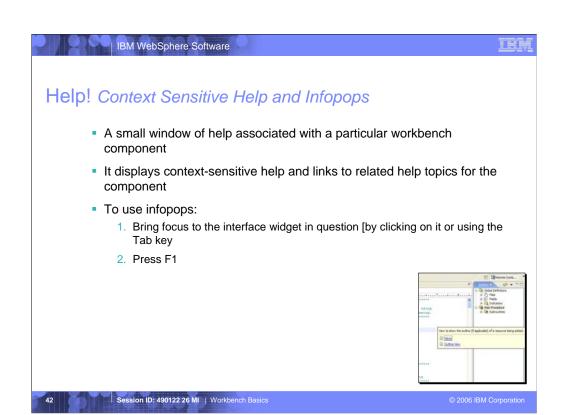
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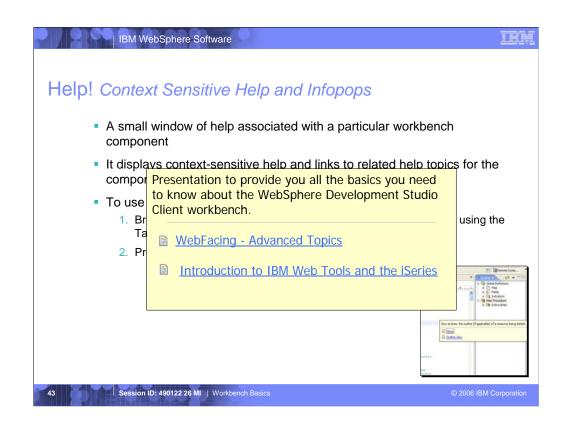
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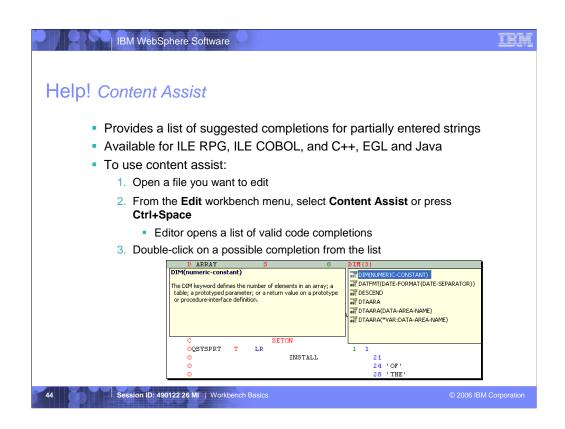


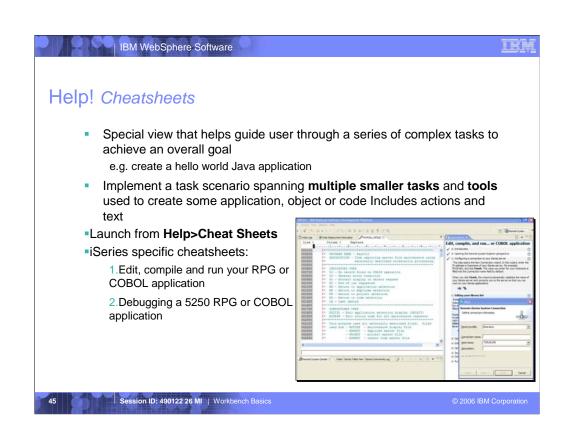


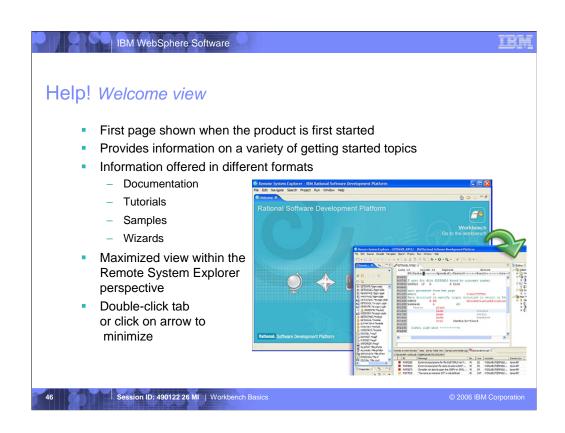


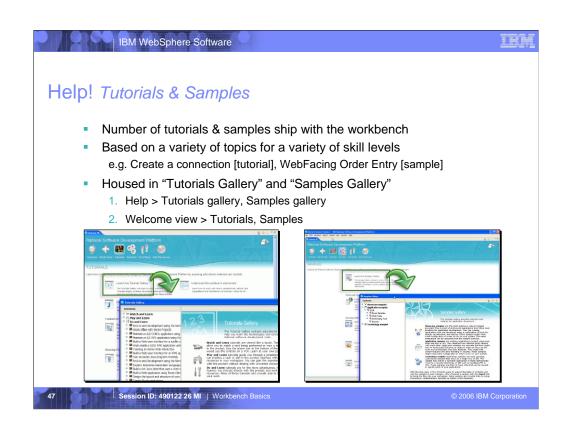


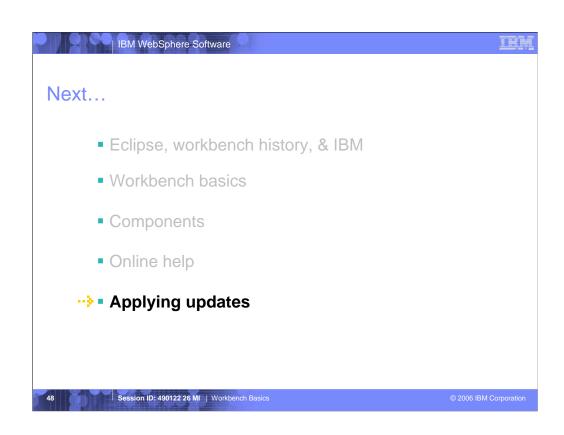


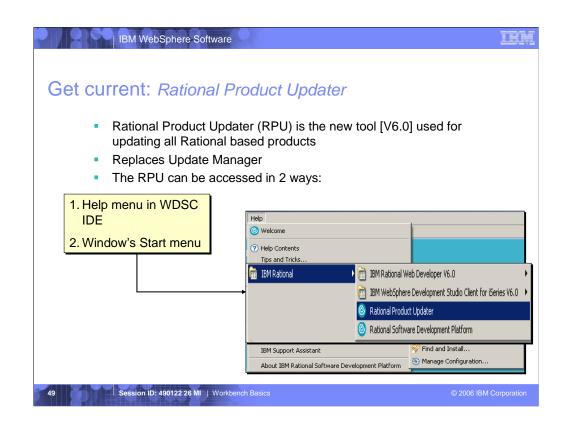


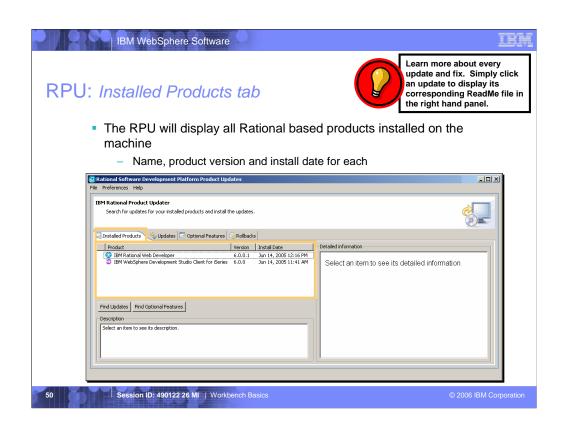


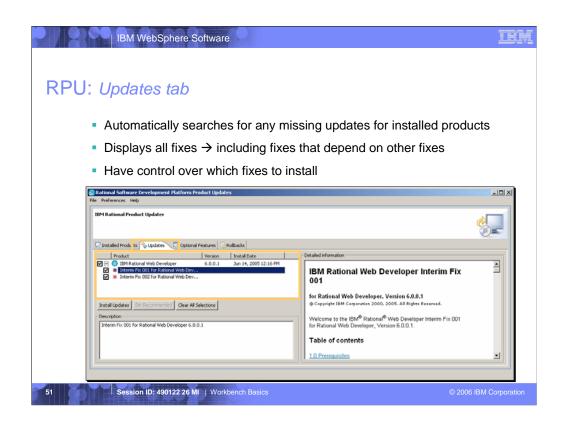


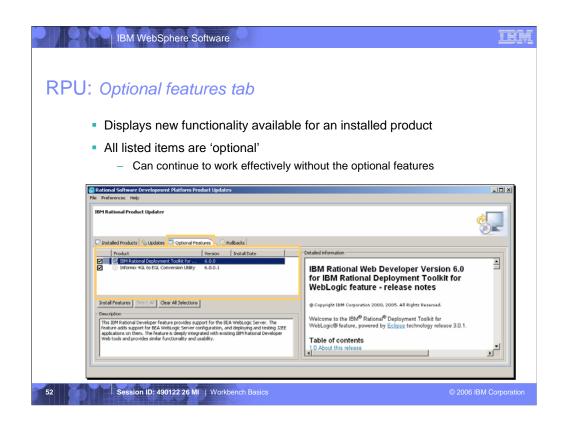


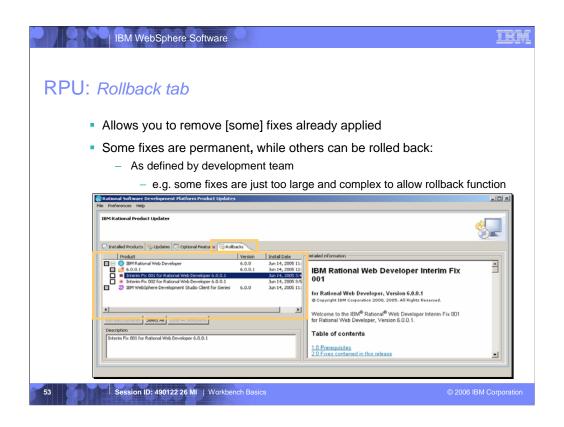














IBM WebSphere Software



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