Agile Business Suite
Version Control Workshop

David Forrester
Purpose

• Show how Version Control works with AB Suite
  – Migrating the model
  – Setting VersionFile property
  – Adding solution to version bank
  – VC Operations

• Starteam
  – Server
  – Client

• System Modeler Tools
New World

- 3rd Party Source Control providers
- Any that support SCC API
- Tested with StarTeam and VSS
- SCC API does not support may operations such as labelling, get by label
- These operations done in Source Control Client
Setting Up

• Import Sample
  – Choose one of the VC options on the Advanced Tab

• Open in Visual Studio

• Examine VersionFile property of several elements
Starteam Server

• 3rd Party Source Control provider
• Start “Starteam Server” from start menu
• Select configuration “Stardraw” and start server by pressing green “play” button
• Starts background process and GUI can be closed.
• Can also set the server to run as a service.
Putting the Solution in the VC Bank

- Add the solution to Source Control:
  1. On the “File” menu, select “Source Control” and “Add Solution to Source Control”
  2. On the next dialog, press “Create New”
  3. On the create new project dialog:
     - Enter a name and description for the project
     - Leave the “Working Folder”
     - Select the server.
       - If none defined, select the “Servers” button to create one
  4. When finished, press OK
  5. Login when prompted – userid is “student”, password is blank
VC Operations

• Most operations are on context menu of element in the Class View

• The menu displays the name of versioned element. If the element does not have the “VersionFile” property set, the name will be the parent element that does.

• Most operations work on the latest versions

• To check out:
  – Change something in an element
  – Use the menu to select “Checkout”
  – When checked out, the lock will change to a tick

• Check In by selecting the element and selecting “Check In” on the menu
  – Prompts for comment. This is optional unless changed in StarTeam client
VC Operations - Continued

• Undo check out
  – Always gets latest version from bank

• View History
  – Shows all versions
  – Select one and press “Get”. Doesn’t happen until “Close” is pressed.

• Compare
  – Compares element in Model with latest version in bank
  – Uses AB Suite compare tool
  – Must be setup in StarTeam Client
StarTeam Client

- Start from Start Menu
- Open a project
- On Open Project Wizard, expand a server
- Select the project and press the “Finish” button
- Here you can:
  - View of elements
  - Create and attach labels
System Modeler Tools

• From VS Tools Menu or Start Menu

• View Differences:
  – Compare element in Model with element in AB Suite model file
  – Make change to an element and check it out. Then compare element to version in the project directory

• Merge Differences
  – Compare element in Model with element in AB Suite model file and save merged version to another file
System Modeler Tools Continued

• Report Differences
  – Compares a Model with a set of version files
  – Version files can be on disk or in VC Bank
  – Produces XML report to be viewed
  – To use:
    • On first page, select the current model
    • On the second page, select the VC project or the project directory
    • On the third page, enter a file name and select “View Report”
    • Press “Finish” and report will be displayed in VS

• Compare, Merge and View are available on the Start Menu