

Eclipse Training Courses

Advanced Eclipse RCP GUI Development (2 days)

This course is targeted as developers with some experience of Eclipse and plug-in development. They will be familiar with the basic technologies of RCP development, and are looking now to leverage the workbench and its associated technologies to create cohesive and maintainable applications.

The course is code-driven, with delegates building a sample application. Coding starts immediately! Four ‘themes’ are used to introduce and practice advanced development techniques. A series of planned and spontaneous ‘tangents’ explore best practice alternatives

<p>Theme 1 – Viewers</p> <p>An exploration of advanced viewer concepts, including:</p> <ul style="list-style-type: none">▶ virtual content providers▶ delayed label decorators▶ declarative viewer behaviour▶ common navigator framework	<p>Tangents:</p> <p>The planned tangents are:</p> <ul style="list-style-type: none">▶ Jobs best practice▶ programmatic vs. declarative decisions▶ element factories & the adapter pattern▶ context menus▶ 3.2 to 3.3 migration▶ Unit and GUI testing strategies <p>Delegates will be encouraged to generate further tangents!</p>
<p>Theme 2 – Workbench</p> <p>Leveraging the services the workbench provides, including:</p> <ul style="list-style-type: none">▶ selection service (standard, post, null)▶ progress service▶ command framework & legacy actions▶ key binding	
<p>Theme 3 – Advanced GUI</p> <p>Additional GUI loveliness including:</p> <ul style="list-style-type: none">▶ field decoration▶ drag'n'drop▶ forms▶ dynamic layouts	
<p>Theme 4 – Data Binding</p> <p>Using JFace's data binding framework to create data-centric code.</p>	
	<p>Course Size</p> <ul style="list-style-type: none">• 4 – 8 delegates (recommended 6) <p>Required Skills</p> <ul style="list-style-type: none">• familiarity with SWT and JFace• Eclipse plug-in coding experience <p>Materials</p> <ul style="list-style-type: none">• all materials supplied (bound presentation slides, course notes, lab instructions) <p>Resources</p> <ul style="list-style-type: none">• Windows PC with ‘vanilla’ full Eclipse 3.3

in association with **RCP Quickstart**SM