

Eclipse Training Courses

OSGi and Equinox (2 days)

50% Instruction 50% Hands On

The underlying component model of Eclipse 3.0+ has been the Equinox implementation of the OSGi standard. Now the Eclipse project is pushing OSGi and Equinox in particular as a strong contender as a server-side and device framework. Moreover the e4 initiative will lead to further merging of the legacy extension model with fully dynamic OSGi services.

This course aims to offer Eclipse developers an overview of OSGi now and its future. The course will cover OSGi as a component model and its use as a provider of dynamic services. Particular focus will be given to the use of declarative services on the server and the client.

<p>Content</p> <ul style="list-style-type: none"> ▶ OSGi Components <ul style="list-style-type: none"> ▶ Java Modularity ▶ Bundles ▶ Classloading ▶ Equinox extensions ▶ OSGi Services <ul style="list-style-type: none"> ▶ Services vs. Extension Points ▶ Standard Services ▶ Tooling ▶ ‘Legacy’ Programmatic Services ▶ Declarative Services ▶ Enterprise OSGi <ul style="list-style-type: none"> ▶ Security ▶ JEE Integration ▶ Aspects 	<p>Course Size</p> <ul style="list-style-type: none"> • 4 – 10 delegates <p>Resources</p> <ul style="list-style-type: none"> • Windows PC with full install of Eclipse 3.4 Modelling tools <p>Materials</p> <ul style="list-style-type: none"> • all materials supplied (bound presentation slides, course notes, lab instructions)
<p>Prerequisites</p> <p>Delegates must have experience of Eclipse RCP development. They will be expected to be able to follow instructions such as:</p> <ul style="list-style-type: none"> • “create a target platform that includes the XXX plug-ins”; • "create a plug-in project that implements extension point XXX"; • “deploy the application ensuing –console is passed as a program argument”. 	