



Company: Anahata Technologies

Location: Perth, Australia

Url: <http://www.anahata-it.com.au>

Industry: Software Development

Oracle Products & Services:

- NetBeans IDE
- Java EE
- GlassFish
- JavaFX
- Swing
- Java Web Start
- MySQL

Related Software:

- Maven
- Jenkins
- JIRA
- JRebel

ANAHATA TECHNOLOGIES

“NetBeans IDE is a highly productive development tool, with constantly improving stability and performance. It has the support of a vibrant development community that responds quickly to any issues encountered in the IDE or feature requests.”

Executive Summary

Anahata is an Australian company, specialized in cross platform enterprise application development, using Java, JavaFX, and Java EE, running on a GlassFish application server with a MySQL database.

Anahata focuses on delivering cost effective software solutions for small and medium local businesses as well as providing consulting services for a number of tier one companies, educational institutions and government departments.

Anahata’s preferred architecture when developing intranet based enterprise applications, such as custom built ERPs or management systems, consists of a cross platform desktop application with Swing and JavaFX deployed via Java Web Start on a Java EE backend.

Anahata is an active member of the open source community and it currently is in the process of open sourcing a number of in-house libraries.

Organization

Anahata works with a number of business analysts and software engineers following a model by which project participants become contractually responsible for both quotation and delivery.

The Business Issue

Anahata has been a long time supporter of NetBeans IDE. NetBeans IDE was a key development tool when developing Java EE Application Clients and it is used today for developing JavaFX based Java EE Applications using Maven and integrating with Jenkins and JIRA.

Key Challenges

- Have all required development tools highly integrated within the same development environment, namely, JIRA, Jenkins, Maven, JRebel, MySQL, together with local and remote GlassFish instances.

- Have an IDE that improves developer productivity at the time of writing code with features like code completion, wizards, class reloading, code generation, annotation processing, and drag and drop tools.
- Be able to use the latest versions of Java Standard and Enterprise edition platforms.

Solution

- Anahata has found NetBeans IDE to be a highly integrated environment. It is a highly productive development tool with constantly improving stability and performance. It has the support of a vibrant development community that responds quickly to any issues encountered in the IDE or feature requests.
- Anahata joined forces with NetBeans developers in 2010 to develop the Maven Enterprise Application Client Plugin (CAR) aimed at building Java EE Application Clients in a maven environment.
- GlassFish integration with NetBeans allows developers to explore and customize GlassFish resources from the IDE itself.
- NetBeans integration with MySQL allows developers to connect to local and remote MySQL instances from the IDE itself, switch between database schemas within the same versioned SQL source file.
- NetBeans integration with Jenkins allows developers to quickly be notified of build events, and locate Jenkins instances from maven project configuration files.
- JSF support in NetBeans enables faster and higher quality code development by providing advanced code completion and composite component development support.

Business Value

- With NetBeans' constant support for the latest Java SE and EE specifications, Anahata is continuously leveraging the latest Java platforms to develop in a more productive, more versatile, more maintainable manner, which translates into shorter development cycles and lower upfront and maintenance costs for the customer.
- The NetBeans visual Swing GUI Builder and integration with the JavaFX Scene Builder allows for a faster UI design, which allows developers to present screen design and layouts to customers, which translates into faster feedback and a richer development experience from the customer.

Credits:

Pablo Rodriguez Pina
Robert Nagajek