TECH TOOLS

Red Hat Announces OpenShift Origin

Red Hat is announcing OpenShift Origin, the open source code-base used in the OpenShift PaaS platform. According to the company, OpenShift Origin is an application platform, where application developers and teams can build, test, deploy, and run their applications.

According to the announcement, the OpenShift PaaS comes with a host of developer-friendly capabilities like MongoDB, Node.js, easy command-line and web interfaces, the ability for developers to plug in their own frameworks, as well as comprehensive enterprise Java capability.

OpenShift Origin will be run as an open source project and the codebase is licensed under the Apache License, v2. The project will use GitHub as its code repository, with mailing lists and other support provided by Red Hat. You can learn more at: *https://openshift.redhat.com/app/platform*.

Tizen Association Releases Larkspur

The Tizen Association has announced the release of Tizen 1.0, called Larkspur, which includes new complimentary components and source code that focuses on enhancing stability and performance.

According to the announcement, Larkspur also includes new features and improvements to the SDK, including a browser-based simulator that supports Tizen APIs, more flexibility around templates and debugging, and significantly improved emulator performance. Updates to the platform source code include web, location, and connectivity enhancements. The Tizen SDK is a set of tools for developing Tizen web applications. It consists of a web IDE, emulator, toolchain, sample code, and documentation. Tizen SDK 1.0 Larkspur runs on Windows as well as Ubuntu.

The announcement states that further improvements and additions are expected over the coming weeks, along with frequent updates to the SDK and source code. For more information on the Tizen 1.0 Larkspur SDK and source code, please visit *http://www.tizen.org*.

OpenMAMA 2.1 Now Available

OpenMAMA has announced the availability of OpenMAMA 2.1, the open source Middleware Agnostic Messaging API and the first neutral standard in data messaging for financial services.

Originally announced last fall, the OpenMAMA project is an open source API that connects multiple transports and applications. Features and technologies in OpenMAMA 2.1 include the Middleware Agnostic Market Data API, which adds a market-specific data application development framework that includes support for quotes, trades, and order books. Version 2.1 also includes support for C++, Java, and Windows. According to the website, OpenMAMA is built with the C programming language and is designed to run on Linux. New contributions include wrappers that allow programmers to develop OpenMAMA applications written in C++ and Java and to deploy these applications on Windows as well as Linux.

According to the announcement, other features are planned for later this year, including integration of NYSE Technologies Open Data Model Project, which provides an open platform for facilitating and simplifying the consolidation of market data with independent technology, encoding formats, and distributions mechanisms. For more information, or to participate in the OpenMAMA project, please visit the project website at: *http://www.openmama.org/*

Yocto Project 1.2 Released

Yocto Project 1.2 has just been released. According to the announcement, this version includes many bug fixes and features. Yocto Project is an open source collaboration project that provides templates, tools, and methods to help create custom Linux-based systems for embedded products regardless of the hardware architecture.

In this release, Hob, the Yocto Project's build system GUI, has been redesigned with a new user interface on the basis of feedback from user interviews. Version 1.2 also introduces the "Build Appliance," which is a set of changes and enhancements that lets users build a virtual machine image running Linux built with the Yocto Project. Within the Linux running on the virtual machine, users can customize and build their own embedded Linux images.

The Yocto Project Linux kernel has been updated to 3.2.11. The release is available now; you can read the release notes and download the software from: *http://www.yoctoproject.org/download/yocto/yocto-project-1.2-release-notes-poky-7.0.*