Univa

Univa Releases DDM Source Code to Globus Community

Globus-based grid services for managing large-scale file-based data improve collaboration and reduce data management overhead

Chicago, IL, March 5, 2007—Univa Corporation, the leading provider of commercial software, support and services for Grid solutions based on open source Globus software, today announced the open source release of the Univa Data Distribution Manager (DDM) as a Globus Incubator project.

Univa DDM provides an efficient data distribution service for tracking, transporting and synchronizing large-scale, distributed data sets. It builds on existing Globus services including the C and Java Web Services Core, GridFTP, GRAM and RLS by adding the capability for data set specification, a range of synchronization modes, replica selection and a comprehensive set of policy based failure recovery mechanisms. Univa DDM places an emphasis on driving down the cost of sharing large data sets through efficient use of available bandwidth and storage while ensuring secure and reliable operation at scale.

Univa DDM benefits the Globus open source community by providing a set of valuable new capabilities targeted specifically at knowledge workers with data-intensive technical computing needs. It marks the first large-scale contribution by Univa as an enterprise partner to the Globus community.

Key features of the current DDM release include:

- ***Multi-site replication with updates***: Univa DDM supports both a write-once / read-many and a sequential update model for managed files. It does so in a multi-storage resource setting, by tracking actual file contents and replication history then applies replica selection criteria for choosing the best data source for a particular request.

- ***Synchronization of changes only***: Univa DDM is a critical component for the management of replicated data sets. File synchronization may be accomplished at a full or partial file level. It is, at its essence, a reliable multi-site data resynchronization service.

- ***Fault tolerance***: Configurable policies for backoff and retry, including failover to alternate sources in the instance of multiple file replicas. The Univa DDM service manages process state so that it is self-resilient to server failures.

Univa's mission is to be the premier provider of open source services and software in the Grid marketplace. As such, Univa is committed to a vibrant open source Grid ecosystem as essential to its future. By contributing Univa DDM to the Globus Open Source process, it helps increase the applicability of Globus-based Grid solutions in a wider range of scientific research and enterprise computing environments, and in turn advances the goals of the company.

For more information on Univa DDM as a Globus Incubator project, please visit http://dev.globus.org/wiki/Incubator/DDM.

About Univa

Univa is the premier open source grid software and services company in the marketplace. Univa's customers include many of the leading commercial, government and academic institutions in the world. The Company's founders are the "Fathers of Grid Computing" and they have led the direction of grid computing for the past decade. Gartner has identified Grid computing and open source in its top ten technologies to watch in 2007. Univa is at the intersection of these two key trends. Starting in the mid-1990s, the founders of Univa pioneered Grid computing in their efforts to transform the practice of science, resulting in the development and large-scale production use of the open source Globus middleware. Now, like Internet and Web technologies before it, this Grid technology is moving out of science into commercial use. Univa is a privately held company based in Chicago. For more information, please visit www.univa.com.

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Contact: prmedia@univa.com
+1.630.563.8600