PRESS RELEASE

PolarLake™ announces the release of PolarLake Database Integrator: an enterprise solution for XML-to-database integration.

October 16, 2002 – PolarLake™, the enterprise XML and Web Services company, today announced the release of *PolarLake Database Integrator*, targeting XML and Web Service enablement of existing relational database applications.

"Database-centric applications are central to most enterprises' IT infrastructure, and integrating them will be key to any transition to XML", said **Ronan Bradley, CEO, PolarLake**, "The *PolarLake Database Integrator* allows these assets to be fully integrated within an XML and Web Services environment, without requiring changes to the deployed database and without compromising the database's performance, reliability or scalability."

"Pioneer Investments* needed an XML-based infrastructure to support its global business. We wanted an open standards-based platform that was efficient, scaleable and reliable. The PolarLake Database Integrator allowed us to deliver a high quality, cost effective solution within very demanding time and resource constraints", said **Tony Bond, Head of IT at Pioneer Investments**.

PolarLake Database Integrator is unique in providing both a complete integration of XML with relational databases and an enterprise-grade runtime platform. The product consists of:

- A set of graphical wizards that extend the included *PolarLake Designer* environment and allow the developer to map between existing database tables/stored procedures and XML or SOAP documents. In addition, XML documents often need to be validated against business definitions and filtered, transformed and sub-divided before reaching the database application. The *PolarLake Database Integrator* automates these tasks with its patent pending *XML Circuits™* approach to XML document processing.

- A high performance, highly scalable runtime server, based on the *PolarLake Dynamic XML Runtime*™ that integrates with deployed enterprise infrastructure such as queuing systems, management infrastructure and legacy applications.

About PolarLake – the product

PolarLake unleashes the power of XML and Web Services, enabling enterprises to integrate existing IT assets, create new business capabilities based on those assets, and rapidly evolve the resulting solutions. PolarLake achieves this through its patent-pending *XML Circuits™* approach, and integrated development and deployment tools that keep the focus on business information, not IT infrastructure and middleware, thereby ensuring that solutions are delivered at a fraction of the conventional time and cost.

About PolarLake – the company

PolarLake, headquartered in Dublin, Ireland, and with offices in London, New York and Tokyo, is a privately funded software company, backed by international venture capital funds. PolarLake has a global network of partners and customers solving enterprise problems with XML and Web Services.

About Pioneer Investments

Pioneer Investments* is the asset management subsidiary of UniCredito Italiano S.p.A., one of Europe's leading banks. Pioneer Investments is a global investment management group with over €101 billion of assets under management**. We provide a wide range of investment solutions including mutual funds, alternative investments and structured products. Our clients include institutions, corporations, intermediaries and private investors around the globe.

Pioneer Investments has over 70 years' experience in helping clients to achieve their financial goals. Our flagship fund, Pioneer Fund, is the fourth oldest mutual fund in the US and exemplifies Pioneer Investments' history of consistently managing money and helping investors achieve their financial goals.

As of July 2002, Pioneer Investments employed over 1,600 people in 11 countries world-wide.

*Pioneer Investments is a trading name of the Pioneer Global Asset Management S.p.A. group of companies.

**as of 31 August 2002

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Product features include:

- **Database Integration Features**

  ☑ Mapping of XML documents to tables, rows & columns in a relational database, including transformation of XML into relational datatypes

  ☑ Mapping of tables, rows & columns into XML documents, including transformation of relational datatypes into XML

  ☑ Invoking stored procedures, mapping XML to parameters, and mapping returned values back to XML

  ☑ Using database triggers to generate XML in PolarLake

  ☑ Initiate, commit or rollback database transactions of arbitrary length and complexity

- **XML Processing Features**

  ☑ Application level validation, allowing incoming messages to be validated against agreed business process definitions, and appropriate error handling and job control activities to be carried out

  ☑ Complex transformation using XSLT or Java™ components, generated using provided plug-ins for common IDEs

  ☑ Rich routing options, including One-to-Many and Many-to-One transformations between incoming and outgoing messages

  ☑ Integration of Java-based business logic components, hosted in PolarLake or in a J2EE™ application server

- **Deployment Features**

  ☑ Integration hosted on a high-performance, scalable software server supporting multiple deployment modes, including clusters and fail-over

  ☑ Centralized auditing and distributed management services, supporting reconfiguration and upgrade without interruption to services

  ☑ Centralized monitoring capabilities, including both system- and business-level information monitoring

  ☑ Support for HTTP(S), SMTP, file system (ftp and log file), and all JMS-based message systems (MQ-Series™, Tibco™ Enterprise)

  ☑ Support for JMX- and SNMP-based management platforms (such as HP Openview and BMC Software PATROL®).