DATA SHEET

The Engine for Internet Applications

VisiBroker® for Java™ and VisiBroker for C++ are proven industry leaders in CORBA® distributed object middleware technology.

Providing high availability, enterprise-level scalabililty and performance, VisiBroker is the core engine of numerous Internet-based and distributed applications across all industries including finance and telecommunication.

◆ CORBA™

"One goal of the OSS product is to provide a framework with a single integrated view of a mobile network that consists of numerous types of network elements, Ericsson decided early on to adopt an industry standard approach. To further strengthen our commitment to the CORBA technology, the choice of VisiBroker was the most appropriate."

Per-Arne Nilsson, Strategic Project Manager, Ericsson.

"We've been using VisiBroker for some time in different parts of our organisation. Given the widespread third party support for VisiBroker in the industry, it made sense to adopt Inprise/Borland technology at a strategic level throughout our organisation."

Dr Kevin O'Connor, Head of Applied Technology, CBIT, Deutsche Bank.

The Distributed Object Revolution

Coupled with a powerful communications infrastructure, distributed object applications divide today's still monolithic and client/server applications into self-managing components that can interoperate across disparate networks and operating systems. Distributed applications provide an opportunity to establish and maintain a competitive advantage by creating a flexible IT infrastructure which enables IT organisations to build an infrastructure that is adaptive to ongoing changes and responsive to market opportunities.

The CORBA® Infrastructure

The Common Object Request Broker Architecture (CORBA®) specification provides a standard-based open-platform infrastructure that reduces the complexity of building and deploying applications across heterogeneous environments that incorporate disparate hardware platforms, software applications and database resources allowing rapid architecture change and integration of new systems. Developed by the Object Management Group (OMG™) - an 800-member strong consortium of hardware, software vendors as well as end-users - CORBA is the most widely accepted distributed object middleware application standard ensuring reusability and interoperability.

VisiBroker® for Java™ and C++

VisiBroker® for Java™ and VisiBroker for C++ CORBA object request brokers are designed to facilitate the development and deployment of distributed enterprise applications that are scalable, flexible, and easily maintained.

Industry affiliations with Oracle, Sun, HP, Ericsson, Netscape and others have played a key role in making VisiBroker the leading deployed and adopted ORB™ in the computer industry.

Continuing this leadership and implementing the latest OMG CORBA specifications, VisiBroker 4 now provides full support for CORBA 2.3, including:

- Portable Object Adapters (POA)
- Objects-By-Value (OBV)
- Remote Method Invocation (RMI) over Internet Inter-ORB Protocol (IIOP®)
- Clustering and Load-balancing.

VisiBroker Solution

VisiBroker's implementation of the latest CORBA specification addresses the requirements of organisations wishing to deploy enterprise-class distributed business applications.

The VisiBroker product family offers a complete CORBA 2.3 ORB runtime and supporting development environment for building, deploying, and managing distributed applications that are open, flexible, and interoperable. VisiBroker relies on proven and open industry-standard specifications avoiding

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any vendor lock-in risk. Based on a native IIOP implementation ensures high-performance and interoperability.

The primary benefits of a VisiBroker-based solution include:

High Scalability

Solutions based on VisiBroker scale extremely well across a large number of user-clients and servers in computing-intensive enterprise-scale environments because of its sophisticated thread and connection management, its Smart Agent architecture and efficient implementation of CORBA 2.3 and IIOP.

High Availability

VisiBroker's Smart Agent Architecture eliminates interruptions in operation caused by machine failures. Coupled with its advanced CORBA Naming Service features, such as fault-tolerance, clustering and fail-over capabilities, VisiBroker allows large enterprise-scale applications to be deployed safely.

Interoperability and Flexibility

VisiBroker offers multiple platforms for development and deployment. Interoperability with other CORBA and IIOP-compliant ORBs is assured. Client and server applications can communicate across disparate hardware, operating systems, and development languages.

Technical Highlights

- Full support for OMG's CORBA 2.3 specifications
- Portable Object Adapter (POA)
- Objects-By-Value (OBV)
- Valuetypes - interoperability of OBV across ORB products
- Interface repository
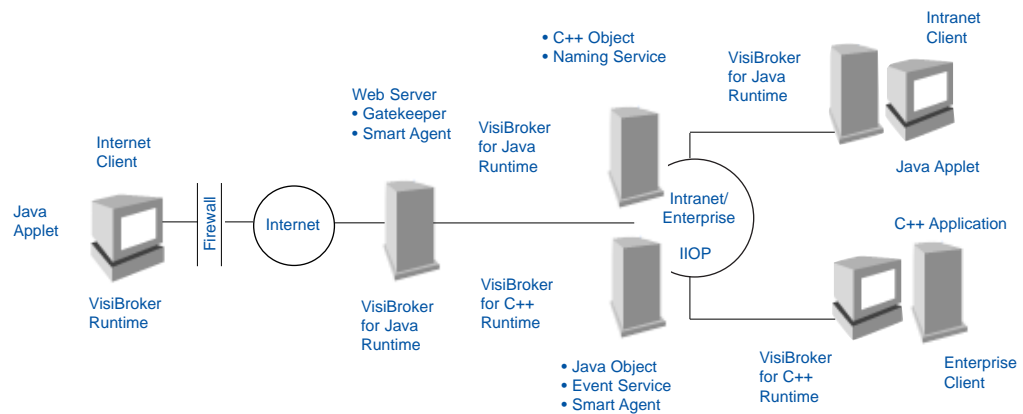
- Support for static, dynamic, synchronous and asynchronous invocations
- Dynamic invocations (DII, DSI) and data types (Any, DynAny)
- Native high-performance and robust IIOP implementation
- GIOP 1.2 for enhanced inter-operability
- RMI over IIOP
- Quality of Service (QoS) APIs
- Robust support for multi-homed hosts
- Object wrappers and interceptors for low-level customisation
- Backward compatibility and interoperability
- HTTP Tunneling and proxy servers (GateKeeper)
- IIOP proxy based on CORBA firewall specifications (GateKeeper)
- Visual administration tools
- Event service
- Naming Service with INS, JNDI support and pluggable storage: in-memory, JDBC, LDAP integration
- Clustering
- Load-balancing
- Fault-tolerance and Fail-over

- Enhanced threading models
- Optimised connection management

Separately available options

- Security and encryption: IIOP-over-SSL, HTTP Tunneling
- Complete range of CORBA Services in partnership with Prism Technologies including: Trading, Notification, LifeCycle, Property, Collection, Concurrency, Relationship, Time, Log

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Platform Availability

VisiBroker for Java and VisiBroker for C++ 4 are supported on many platforms including:

- Microsoft Windows® 95, 98, NT 4.0 and Windows 2000
- Sun Microsystems Solaris™ 2.6, 7 and 8
- RedHat Linux® 6
- Hewlett Packard HP-UX 10.20 and 11
- IBM AIX 4.2 and 4.3.

VisiBroker for Java and VisiBroker for C++ are also available on:

- IBM 0S/390 mainframe systems
- real-time embedded environment such as pSOSystem and VxWorks.

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