

Product Data Sheet

TECHNICAL SPECIFICATIONS AND GUIDELINES

IIOB Domain Boundary Controller (I-DBC) 3.1

General Characteristics: IIOB application-level firewall (for CORBA and Java-RMI/IIOB) with extended CORBA/IIOB security capabilities.

- Feature Summary:*
- Secure firewall traversal for IIOB traffic including concentration of transport connections to single IP address and port. Transparent support for Native Address Translation and Virtual Service End-points.
 - 3A security (authentication, authorization, auditing) + security administration
 - IIOB message content inspection and enforcement of message size limitations.
 - Integrated Traffic Shaping provides bandwidth limitation for individual clients to guarantee fairness and service availability for all users.
 - High Performance solution which can even reduce transaction latency by off-loading
 - Cluster support allowing for High Availability and Load Balancing

- Supported CORBA Standards:*
- OMG CORBA 2.3 – 3.0 (GIOP/IIOB 1.0 – 1.3)
 - Support for Java RMI over IIOB
 - CORBA Interoperable Name Service (INS)

- Security Standards:*
- X.509
 - RSA SecurID Authentication
 - OCSP 1.0
 - SSL/TLS
 - XSSO & Sun PAM

- Interoperability:* CORBA applications built with the following Application Server and ORB products have been successfully operated with the IIOB Domain Boundary Controller (this list will be continually extended; additional product application experience information available on request):
- BEA WebLogic Server
 - Borland Visibroker and Borland Enterprise Server
 - IBM WebSphere Application Server
 - IONA ASP, Orbix 2000, Orbix 3.3, and Orbacus
 - Oracle 8i ORB
 - SUN Java IDL, RMI over IIOB, and EJB reference implementation
 - Various Open Source ORBs including JacORB, OmniORB, TAO/ACE, ORBit, OpenORB, MICO, and IIOB.net

Supported Operating Systems:

Linux/x86 and Solaris/x86 editions:

- RHEL 3 WS, ES or AS Update 4 (and higher)
- RHEL 4 WS, ES or AS Update 4 (and higher)
- RHEL 5.1 Client or Server (and higher)
- SuSE Professional & Enterprise Linux 8.x and higher
- Novell SUSE Linux Enterprise 10.x, and openSUSE 10.x
- Sun Solaris 10

Solaris/UltraSPARC edition:

- Sun Solaris 8, 9, and 10

System Requirements:

Linux/x86 and Solaris/x86 editions:

- PC with 800 MHz Intel Pentium III processor (or equivalent) and later (multi-core and multi-processor systems supported)
- Memory: 512 MB minimum; 1 GB recommended
- Required hard disk space: 256MB minimum, 1 GB recommended
- 1 network interface card (NIC); up to 3 NICs supported

Solaris/UltraSPARC edition:

- Sun Server with single UltraSPARC Ili processor 650 MHz or higher (multi-core and multi-processor systems supported)
- Memory: 512 MB minimum; 1 GB recommended
- Required hard disk space: 256MB minimum, 1 GB recommended
- 1 network interface card (NIC); up to 3 NICs supported

Support for optional SSL accelerator cards:

- nCipher nFast Accelerator
- SUN Crypto Accelerator 1000

LDAP server support:

- Microsoft Active Directory & Sun ONE Directory Server
- Support for other LDAP Directory Server products on request

Administration Console***General characteristics:***

The *Administration Console* is a Java rich client application with a convenient and easy-to-use graphical user interface.

Supported Operating Systems:

- Microsoft Windows 2000 SP2, and XP SP2
- RHEL 3 WS, ES or AS Update 4 (and higher)
- RHEL 4 WS, ES or AS Update 4 (and higher)
- RHEL 5 Desktop Client or Server (Version 5.1 and higher)
- SuSE Professional & Enterprise Linux 8.x and higher
- Novell SUSE Linux Enterprise 10.x, and openSUSE 10.x
- Sun Solaris 10 on x86
- Sun Solaris 8, 9, and 10 on Sun UltraSPARC

Minimum System Requirements:

- 800 MHz Intel Pentium III processor (or equivalent) and later
- Memory: 512 MB minimum
- Hard disk space: 200 MB minimum
- 1 network interface card, or more