

Product Data Sheet

TECHNICAL SPECIFICATIONS AND GUIDELINES

Xtradyne Web Services Domain Boundary Controller (WS-DBC) 3.1

General Characteristics: XML Web Services (SOAP/WSDL) application-level firewall with extended XML/WS-Security capabilities.

- Feature Summary:*
- 3A security (authentication, authorization, auditing) and administration
 - User, group, and role-based access control, fine-grained down to single operations
 - Virtual service endpoints mask service addresses
 - SOAP message validation
 - SOAP content inspection
 - Authorization and access control based on parameter values
 - High performance, High Availability, highly scalable
 - Versioning of security policies and delegation of administration rights (administration roles)
 - Cluster support allowing for High Availability and Load Balancing

- Web Services Standards:*
- WSDL 1.1, WSDL 2.0
 - XML Schema
 - SOAP 1.1, SOAP 1.2
 - XPATH 1.0
 - XML Digital Signature 1.0
 - XML Encryption 1.0
 - XACML 1.0
 - WS-Security 1.0, WS-Security 1.1
 - SAML

- Security Standards:*
- X.509
 - HTTP Basic Authentication
 - OCSP 1.0
 - SSL/TLS

Interoperability: Web Services built with the following products have been successfully operated with the *Web Services Domain Boundary Controller* (this list will be continually extended; additional product application experience information available on request):

- BEA Weblogic
- Microsoft .NET
- IBM WebSphere
- Apache SOAP and Axis

Supported Operating Systems:

Linux/x86 edition:

- 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

Solaris/UltraSPARC edition:

- Sun Solaris 8, 9, and 10

Minimum System Requirements:

Linux/x86 edition:

- 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 III 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 5.1 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 on x86
- Sun Solaris 8, 9, and 10 on Sun UltraSPARC

System Requirements:

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