



MAS Components

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External Components

Following table describes MAS components that require separate commercial licenses (to be directly bought from the appropriate vendor).

Short Form	Component Name	Version Number/Provider
DB	Database	Oracle 8i
J2EE	Java Enterprise Edition Application Server	BEA Web Logic V6.1
RPGN	Report Generation	JReport 4.1

MAS UI Components

Following table describes various MAS UI components. These components are web based. All these are provided by 4thpass.

Short Form	Component Name	Version Number/Provider
ADWS	Administration Web Site	V2.5, 4thpass Inc.
CPWS	Content Provider Web Site	V2.5, 4thpass Inc.
CCWS	Customer Care Web Site	V2.5, 4thpass Inc.
PSWS	Personalization Web Site	V2.5, 4thpass Inc.

MAS Backend Components

Following table describes MAS backend components. Except for SNMP monitor and Logging Adapter, all components consists of one more more EJBs.

Short Form	Component Name	Version Number/Provider
CPC	Core Provisioning Components	V2.5, 4thpass Inc.
BCA	Bytecode Analyzer	V2.5, 4thpass Inc.
INST	Bytecode Instrumentation Engine	V2.5, 4thpass Inc.
SNMP	SNMP Monitor	V2.5, 4thpass Inc. (Utilizing SNMP MIBs provided by WebLogic V6.1 & Solaris 8)
LOG	Logging Adapter	V2.5, 4thpass Inc.(Using WebLogic V6.1 logging)

MAS Backend Components

Following table describes 3rd Party MAS backend components.

Short Form	Component Name	Version Number/Provider
JRE	Java (Standard) Runtime	V1.3, Sun Microsystems.
JSP	Java Server Pages	(Included with) BEA Web Logic V6.1
LDAP	Lightweight Directory Access Protocol	JDK 1.3 (using JNDI), or 3 rd party LDAP Server
XSLT	Extended Stylesheet Language Transformations	Apache Implementation, V1.0

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MAS Backend Components

Following table describes 3rd Party MAS backend components.

Short Form	Component Name	Version Number/Provider
JAXP	Java APIs for XML Parser	Apache Implementation, V1.0
THES	Theseus Java Framework for MVC design at Web Tier	Uses Apache Implementation of Xerces V2.0
TrAX	Transformation API for XML (part of JAXP)	Apache Implementation using Xalan V2.3
SOAP	SOAP Server	Apache implementation V2.2
PRXY	Proxy Server	Squid Proxy Server 2.3

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Development Tools

- Performance measurement: WebLoad, 4thLoad
- Integrated Development Environment: Jbuilder & IntelliJ
- Configuration Management: Perforce
- Unit test: Junit
- Build: Apache Ant (Java-based)
- Continuous Integration: CrouseControl
- Performance Profiling and Thread Debugging: Jprobe
- Database Editor: Toad
- HTTP Test: 4thHttpClient
- MAS Localization Tool: 4thMelt (scan & create resource bundle)
- Code Standards: JCheck

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QA & Tech Pubs Tools

- Defect tracking: TestDirector
- Automated Test Case: 4thTest
- Device Simulator: DeviceSim
- Customer Simulator: 4thSim
- OS Simulator: VMWare

- Publishing: FrameMaker, Distiller, WebWorks

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