WebSphere Application Server

Standard and Advanced Edition

Differences between Version 3.0.2 and Version3.5

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Major Themes

- Java 2 Support
  - JDK 1.2.2 Standard Edition
  - Not J2EE Support
- Usability Enhancements
  - Installation
  - Administration Console
  - Documentation
- Performance/Stability

Additions

- Prereq Software Upgrades
  - Netscape v4.0
  - iPlanet 4.0.1
  - Apache/IHS 1.3.12
  - Sybase 12.0 (AIX/Solaris, AE Only)
  - Oracle 8.1.6 (Thin and Thick JDBC Drivers)
  - Windows 2000 (Toleration)
  - Active Directory for LDAP
  - HP-UX 11.0 platform

Additions

- **Installation Usability Enhancements**
  - Simplified and clarified installation options, components, and install panel instructions
  - Quick/Full install options with minimal configuration steps/decisions
    - Quick install is JDK, IHS, AppServer and InstantDB
    - Full install is JDK, IHS, AppServer and DB/2 (NT Only)
  - Enhanced Pre-req checking and error detection/handling
  - JDK bundled with Application Server
- **Time-bombed Trial Version for NT**
- **Version 3.0.2 to Version 3.5 Install Migration Wizard**

Additions

- **Administration Usability Enhancements**
  - Synchronous processes re-enforced through GUI conventions
  - Removed requirement to explicitly start a wizard
  - Improved Admin Console Layout
    - Removed Types/Topology/Tasks tabs
    - Replaced with single tree view that can be switched between Topology view and Task view.
    - Tasks moved to toolbar
  - Improved fit and finish

Additions

- Security Enhancements
  - Significantly improved performance
  - JSKIT 4.0; GUI-based key generation tool (IKEYMAN)
  - Client Certificate Support (Authentication, Authorization)
  - LDAP support for Active Directory, Domino, NDS, SecureWay

Additions

- JTA 1.0.1/JDBC 2.0 Support
- Browser-based Administration
  - Lighter-weight than Admin GUI
  - NLS-enabled
  - Easy to run through firewall
  - Not full function
- Full XMLConfig script support
  - Models/Clones
  - Security
  - Variable Substitution

Additions

- WebSphere Command Line Processor (WSCP)
  - Operational Control
- Domino DSAPI Plugin Support
- Improved Connection Pooling performance and stability
- Client Device Detection Support for Pervasive Computing
- Remote OSE support for separating HTTP Server and Application Server

Additions

- Ability to run WebSphere as a non-root user id on UNIX
- Reorganization of Documentation Center
  - Now delivered via website
  - Installation guides with screen shots
- Tivoli-ready for NT, AIX, and Solaris.
  - No additional Plus-module support will be added
- Updated samples
  - now utilize Servlet 2.1/JSP 1.0 APIs
  - Samples for InstantDB
- LDAP 3.2 JNDI Service Provider

Additions

- Secureway Directory v3.1.1.5
- OLT/Debugger 8.5
- Distributed Transaction Support for Sybase and Oracle
- Domino Single-signon support
- NLV-support added on Solaris and HP-UX
- Hooks to support JProbe profiler

Additions

- HTTP Session Affinity for Servlet Requests (OSE only)
- Stale-connection handling for DB connections
- EJB client interoperability between v3.0.2 and v3.5
  - No mixed administration domain support
  - No heterogeneous domains
- OLT/Debugger on HP

Additions

- IHS 1.3.12 Changes
  - AFS Support
  - Fast CGI
  - FRCA Updates
  - Proxy Support
  - Performance Monitor
  - WebDav
  - Server Start/Stop (Multi-Server Console)
  - LDAP Client 3.1 Support on NT/Solaris
  - NLV Support on Solaris/HP
  - GSKIT 4.0 Conversion

Web Deliverables

- Listing of Supported Software
- ORB Interoperability/Co-existance
  - ActiveX Components interoperability with Servlets/EJBs
  - Orbix/Visigenics interoperability with Servlets/EJBs
  - Coexistance of Orbix/Visigenics based applications
- Samples on Oracle and Sybase
- New Resource Analyzer UI
- Pervasive Computing APIs (tech preview)

Web Deliverables

- **Upgrade Tools**
  - **Database Migration Tool**
    - Modify admin repository database configuration
      - Change DB Name
      - Move from InstantDB to DB2/Oracle/Sybase
  - **JDK Migration Tool**
    - Modify configuration to point to a different JDK
- **Performance Tuning Guidelines Document**

Removed/Regressions/Limitations

- LotusXSL/NetRexx support for BSF/JSP
- 56-bit Installation Images
- LDGW 4.6.2.x Support
- Oracle 8.0.5 in favor on 8.1.6
- DB/2 5.2 in favor of DB/2 6.1 FP4
- Debugger support on AIX (to be fixed in FP1)
- Machine Translation
- Site Analyzer

Removed/Regressions/Limitations

- Original Resource Analyzer Removed
- InstantDB Limitations
  - Limited CMP Support
  - No multi-node support
  - No WLM persistance support
  - No Tools support
- No support for Distributed Transactions using DB/2 6.1 on HP-UX
- Distributed Transactions support on Oracle does not support recovery (Oracle problem)

Removed/Regressions/Limitations

- No DB2/390 v6.1 support for Admin Repository and CMP Beans (code in place, needs test, doc, and tools support)
- DB/2 v6.1 on HP-UX: No CMP support for BLOBs or CLOBs until DB/2 release a fixpack with JDBC 2.0 support

Futures

- Version 3.5 Fixpacks
- J2EE Support
  - In version 3.5
  - In version 4.0