

WebSphere Application Server



Release 4.0 Update and Futures

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R4 Packaging

- Single Server Option (AEs)
 - Lightweight Configuration
 - Single Process Management
 - Full Programming Model
- Development Only Option (AEd)
 - Same Product as AEs
- Advanced Edition (AE)
 - Clustering/WLM/Failover
 - Distributed Security
 - Extended DB Support
- Enterprise Edition (EE)
 - Extensions to AE
 - Functional and QOS



Development Line Items

- J2EE 1.2.1 Certification
 - EJB 1.1
 - Servlet 2.2
 - JSP 1.1
 - JMS, JavaMail, URL Support
 - EAR/WAR/EJB-Jars
 - XML Deployment Descriptors
 - Security Role Support
- JDK 1.3



Development Line Items (cont'd)

- Web Services Enablement
 - SOAP, UDDI, WSDL
- Single Server Option (AEs, AEd)
 - XML File-based Configuration
 - Web-based Admin UI
 - No Admin Server or Repository DB
 - Simple Install
 - Full Programming Model
- HTTP Transport replacement for OSE



Development Line Items (cont'd)

- Improved AE Systems Management
 - Simplified Object Model
 - Improved Performance
 - J2EE Interactions
 - Improved Usability
- Application Assembly Tool (AAT)
- XML Upgrade (XML4J 3.1/Xerces 1.2.1)
- Clear Text Password Fix
- Performance
- Usability
- Reliability (SPOF)



Development Line Items (cont'd)

- AE Value-Added Functions
 - J2Connector Support
 - JMS/XA
 - Merant JDBC Driver Support
 - LTPA/LDAP Security
- Improved Tooling Integration
 - Shared Data Model
 - AEs as Unit-Test Environment
 - Common EJB Deploy Tool
 - Common Archive Runtime



Remove/Retire

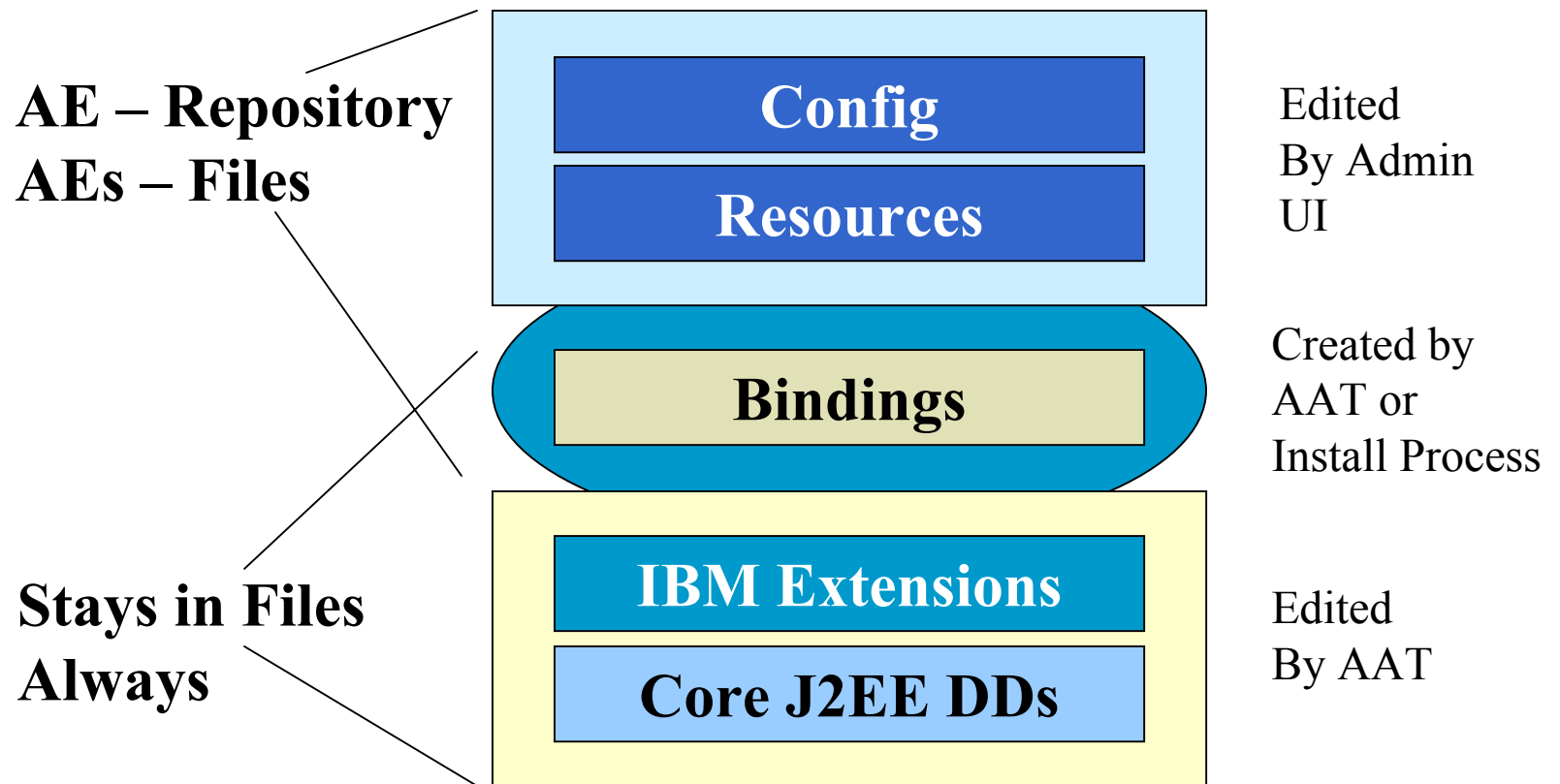
■ Removed

- JSP 0.91
- JSP 1.0
- Servlet Redirector
- V2 Connection Manager

■ Deprecated

- OSE (Local and Remote)

Information Model





Command Line Tooling

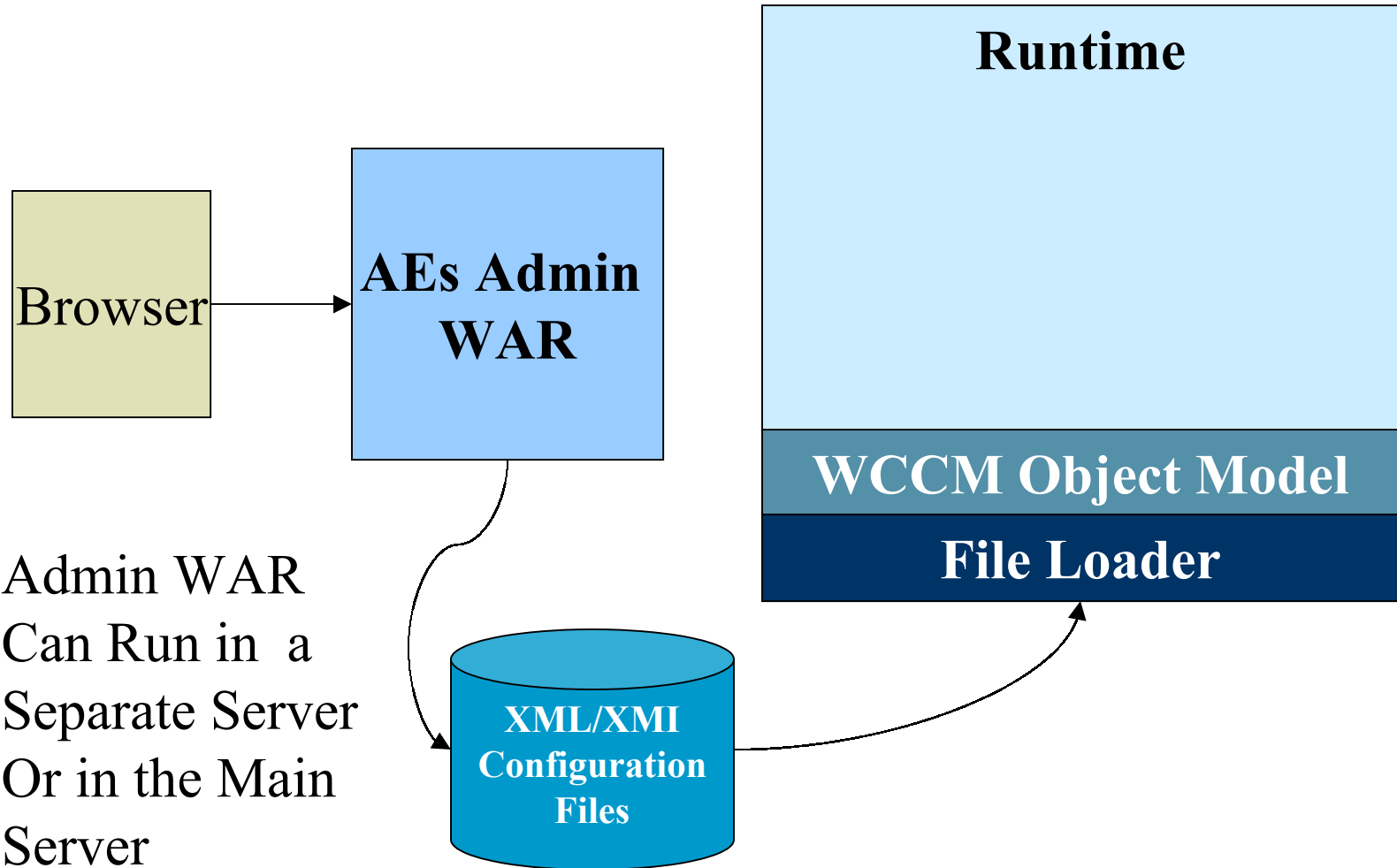
- AEs/AEd

- No Command Line Tools
- No XMLConfig or WSCP
- Simply Edit the Files

- AE

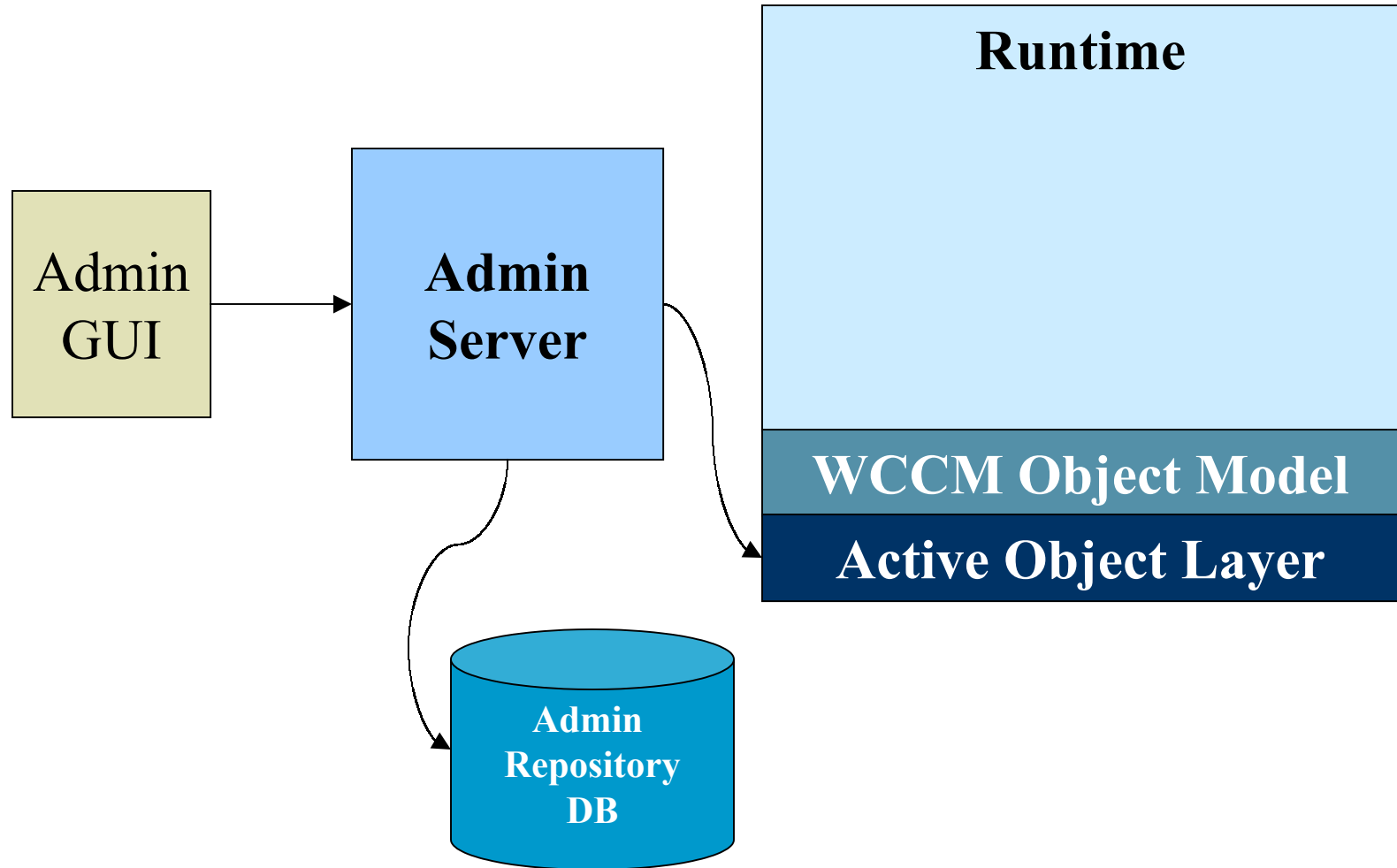
- XMLConfig and WSCP present
- Only deal with part of the configuration
- XMLConfig can consume SE Config Files

AEs Runtime Model



Admin WAR
Can Run in a
Separate Server
Or in the Main
Server

AE Runtime Model





Beyond 4.0

- J2EE 1.3
- AE Systems Management Re-engineering
 - Adoption of SE Admin Concepts and Model
- Enablement of Enterprise Extensions
- Web Services Integration (tightening)
- JDK 1.3.1 → JDK 1.4