



WebSphere Software

# WebSphere Application Server Migration/Interoperability v7.0

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# Disclaimer

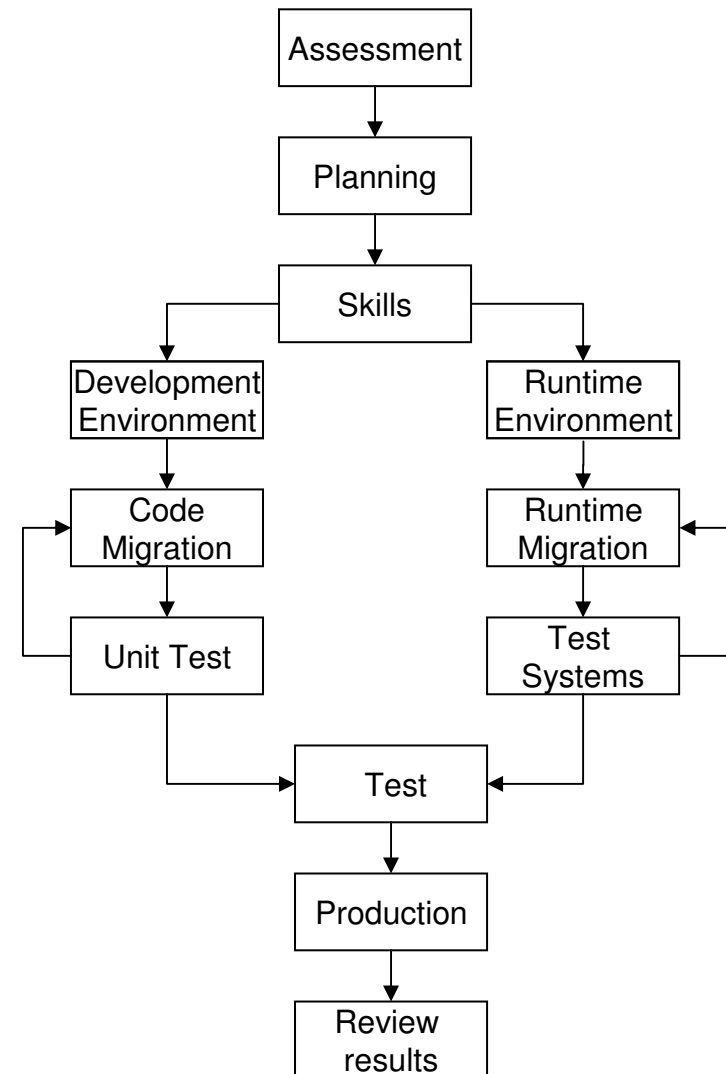
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# Overview

- Migration considerations
  - ✓ More than just software development
  - ✓ Must consider the applications, infrastructure, education and culture
  - ✓ Migration process should not compromise day-to-day business
  - ✓ Manage complexity, expectations, expense and risk
  
- Careful planning is required
  - ✓ Each situation is unique
  - ✓ There is no one standard plan
  
- Get assistance if needed => available from IBM as a service

# Migration Plan Roadmap

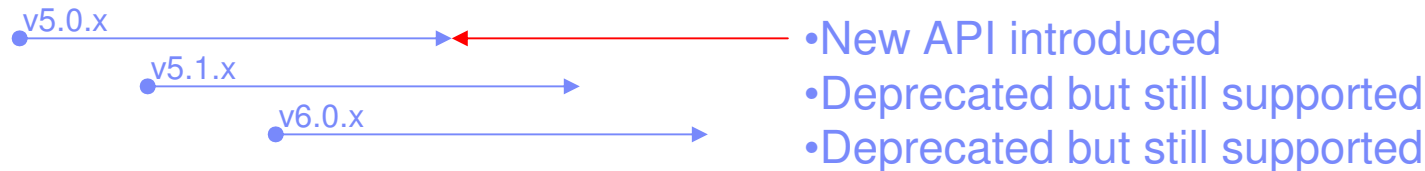
- Assessment
- Planning
- Skills
- Development Environment
- Application Code Migration
- Runtime Environment Migration
- Test
- Production
- Review the results



# Impacts summary

	v3.5	v4.0	v5.x	v6.0	v6.1	v7.0
<b>Development</b>	VisualAge for Java WebSphere Studio "Classic"	WebSphere Studio 5.0	WebSphere Studio 5.1	Rational Application Developer v6.0	Rational Application Developer v7.0	Rational Application Developer v7.5
<b>Code</b>	Pre-J2EE JRE 1.2	J2EE 1.2 JRE 1.3	J2EE 1.3 JRE 1.3 (v5.0) JRE 1.4 (v5.1)	J2EE 1.4 JRE 1.4	J2EE 1.4 JRE 5	JEE 5 JRE 6
<b>Packaging and Deployment</b>	Ad hoc Manual or scripted	J2EE packaging EAR deploy	J2EE packaging EAR deploy	J2EE packaging EAR deploy Configuration in the EAR	J2EE packaging EAR deploy Configuration in the EAR	JEE packaging EAR/BLA deploy Configuration in the EAR
<b>Administration and Operations</b>	Plug-in OSE Administration db WSCP, XMLConfig	Plug-in HTTPx Admin db for AE WSCP, XMLConfig	Plug-in HTTPx XML configuration JMX/TCL	Plug-in HTTPx XML configuration JMX/TCL	Plug-in HTTPx XML configuration JMX/TCL	Plug-in HTTPx XML configuration JMX/TCL

# Deprecation policy



- Deprecation policy in place for all WebSphere Application Server APIs
- API supported for 2 full releases from the point of deprecation or 3 full years whichever is longer
- API may be removed at such point
- Deprecations and Removals are documented in InfoCenter
- 5+3 support statement as of March 2007
  - ✓ Five for free, three for fee.
  - ✓ Updated April 2008 to include selected products within the Information Management, IBM Lotus, IBM Rational, IBM Tivoli and WebSphere
  - ✓ See references for link to specifics

# Choosing the “right” version

- Question: “Which WebSphere Application Server version should I migrate to?”
- Answer: “It depends”
  - ✓ End of Service date for your current version
    - For example WebSphere Application Server v5.1 was September 2008
    - **For example WebSphere Application Server v6.0.2 is September 2010**
  - ✓ End of Service date for the targeted version
  - ✓ Stability in lifecycle of targeted version
  - ✓ JEE/JDK levels relative to targeted version
  - ✓ New WebSphere Application Server features you want
  - ✓ Version requirements of vendor or other WebSphere products that you have or want
  - ✓ The Version your Enterprise has committed towards
  - ✓ What about fixpack level? – do what makes the most sense...

# Enablement

New  
March  
2007

- This information and more is now available online!
  - Includes general planning with detailed notes and WebSphere AppServer version specific information
  - Updated with timely information
  - IBM Migration Knowledge collection
- ✓ <http://www-1.ibm.com/support/docview.wss?rs=180&uid=swg27008724>

The screenshot displays the IBM Knowledge Collection page for "Migration planning for WebSphere Application Server". The browser address bar shows the URL: <http://www-1.ibm.com/support/docview.wss?rs=180&uid=swg27008724>. The page features a navigation menu with options like Home, Products, Services & industry solutions, Support & downloads, and My IBM. The main content area includes a sidebar with links to "WebSphere Application Server", "Compare editions", "Features and benefits", "System requirements", "Library", "Success stories", "News", "Trials and demos", "How to buy", "Events", "Training and certification", "Services", and "Support". The main content area has a "Product documentation" section with an "Abstract" and "Content" section. The "Content" section has tabs for "Planning", "V6.1.x", "V6.0.x", "V5.x", "V4.x", and "Other". The "Overview" section provides a detailed description of the migration process. The right sidebar contains "Document information" including product categories, operating systems, software version (4.0, 5.0, 5.1, 6.0, 6.1), software edition (Base, Express, Network, Deployment), reference number (7008724), IBM Group (Software Group), and modified date (2007-01-30).

# Explanation of Migration impacts

- There are two kinds of impacts documented here
  - ✓ “Specific” – impacts only those migrating TO that version
  - ✓ “Cumulative” – impacts when migrating TO or PAST that version
- The information assumes a starting point of v5.1 or later
  - ✓ Additional information is provided in the appendices for earlier versions like v4.0 and v5.0

	v6.0 Specific	v6.0 Cumulative	v6.1 Specific	v6.1 Cumulative	v7.0 Specific	v7.0 Cumulative
v5.1->v6.0	Yes	Yes				
v5.1->v6.1		Yes	Yes	Yes		
v5.1->v7.0		Yes		Yes	Yes	Yes
v6.0->v6.1			Yes	Yes		
v6.0->v7.0				Yes	Yes	Yes
v6.1->v7.0					Yes	Yes

# Changes in v7.0

- Specific to v7.0
  - ✓ Development tool changes
  - ✓ SessionInitiationProtocol(SIP) Migration Considerations
  - ✓ zOS Migration tool
  
- Cumulative starting with v7.0
  - ✓ JRE 6 impacts
  - ✓ JEE 5 impacts
  - ✓ WebSphere removed features
  - ✓ Port usage
  - ✓ Security Migration considerations

# Summary

- Migration needs to be a pragmatic, well designed and repeatable process
- Consult the “IBM Migration Knowledge collection” at
  - ✓ <http://www-1.ibm.com/support/docview.wss?rs=180&uid=swg27008724>
- Get assistance if needed => available from IBM as a service



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# Questions?

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