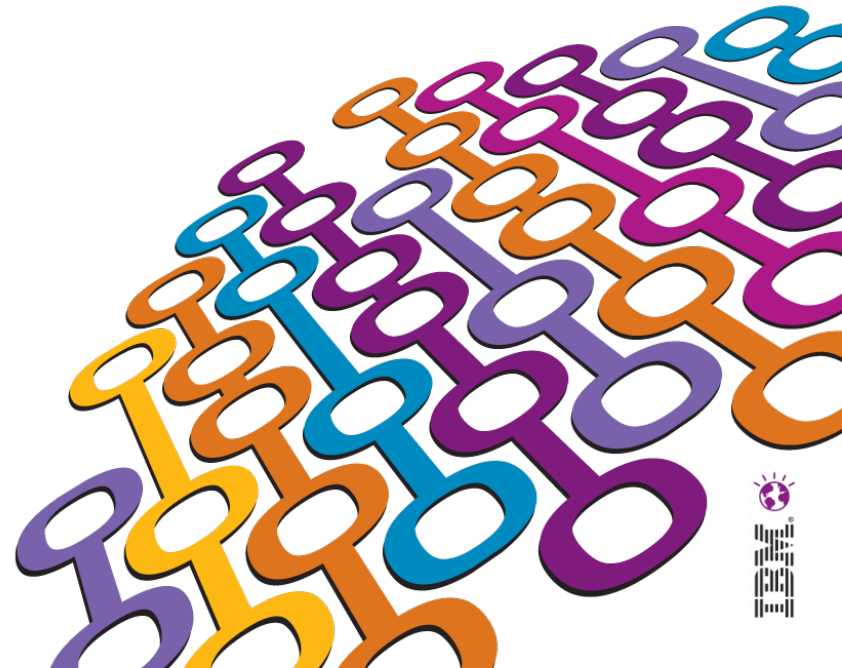


# Introducing IBM WAS v8.5

## *The Future Is Now*

**Hrvoje Zivko**  
**Websphere Channel Sales Leader for SEE/Turkey**





# Application Infrastructure Trends

**Rapid application development and delivery** driving simplified, integrated and automated development and operations lifecycles

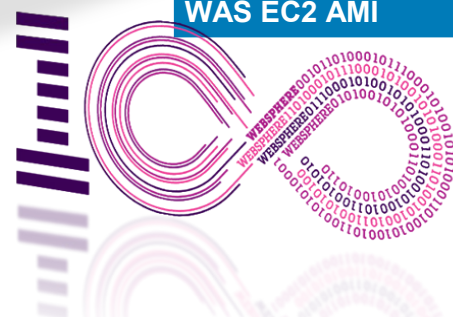
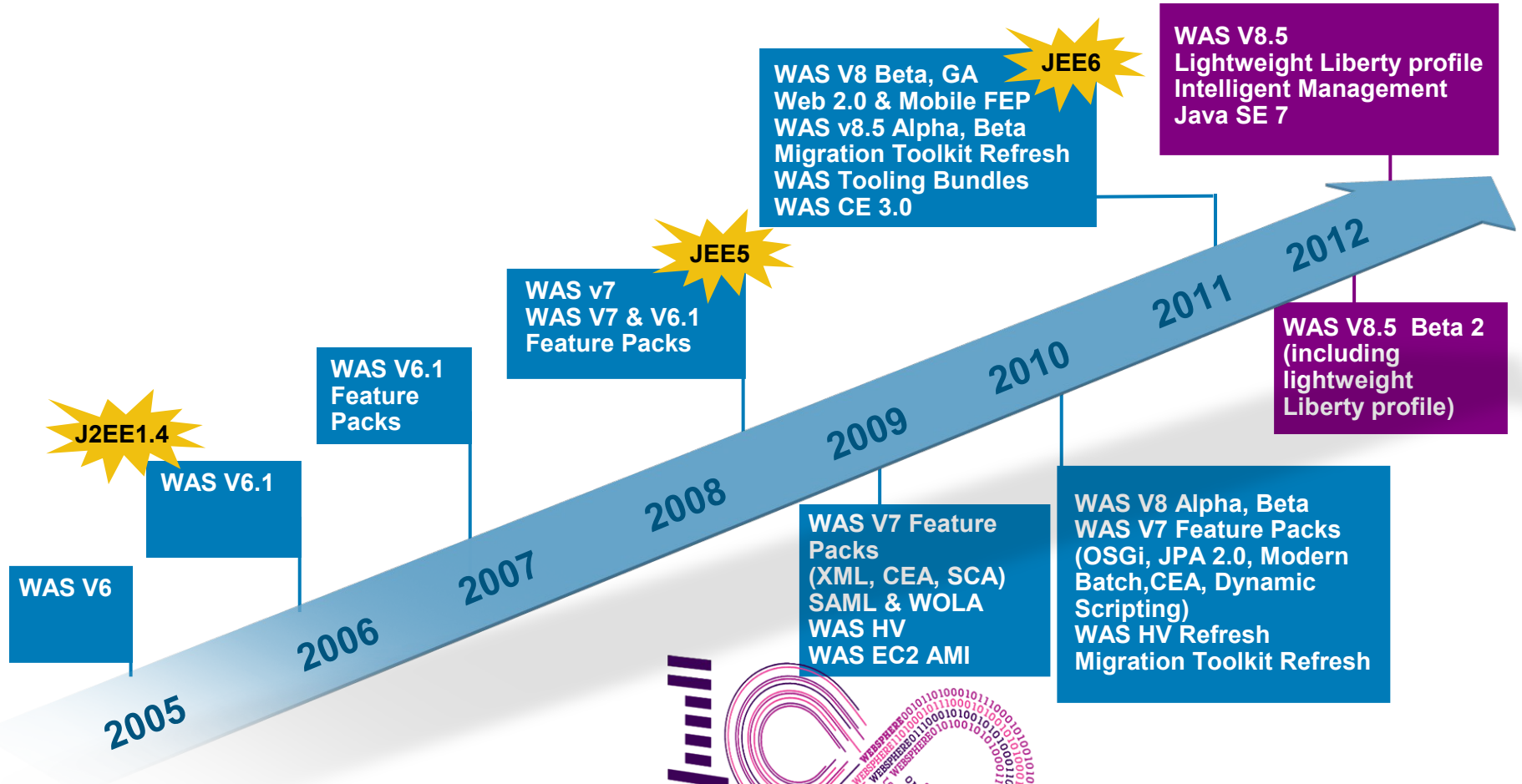
**Explosion of mobile, social and cloud applications** driving new demands on middleware infrastructures

The combination of huge transaction volumes against massive amounts of data with little tolerance for delays is driving the need for **elastic caching** technologies

Use of **cloud delivery models** to provide elasticity, scale, multi-tenancy and context across different form factors and access methods



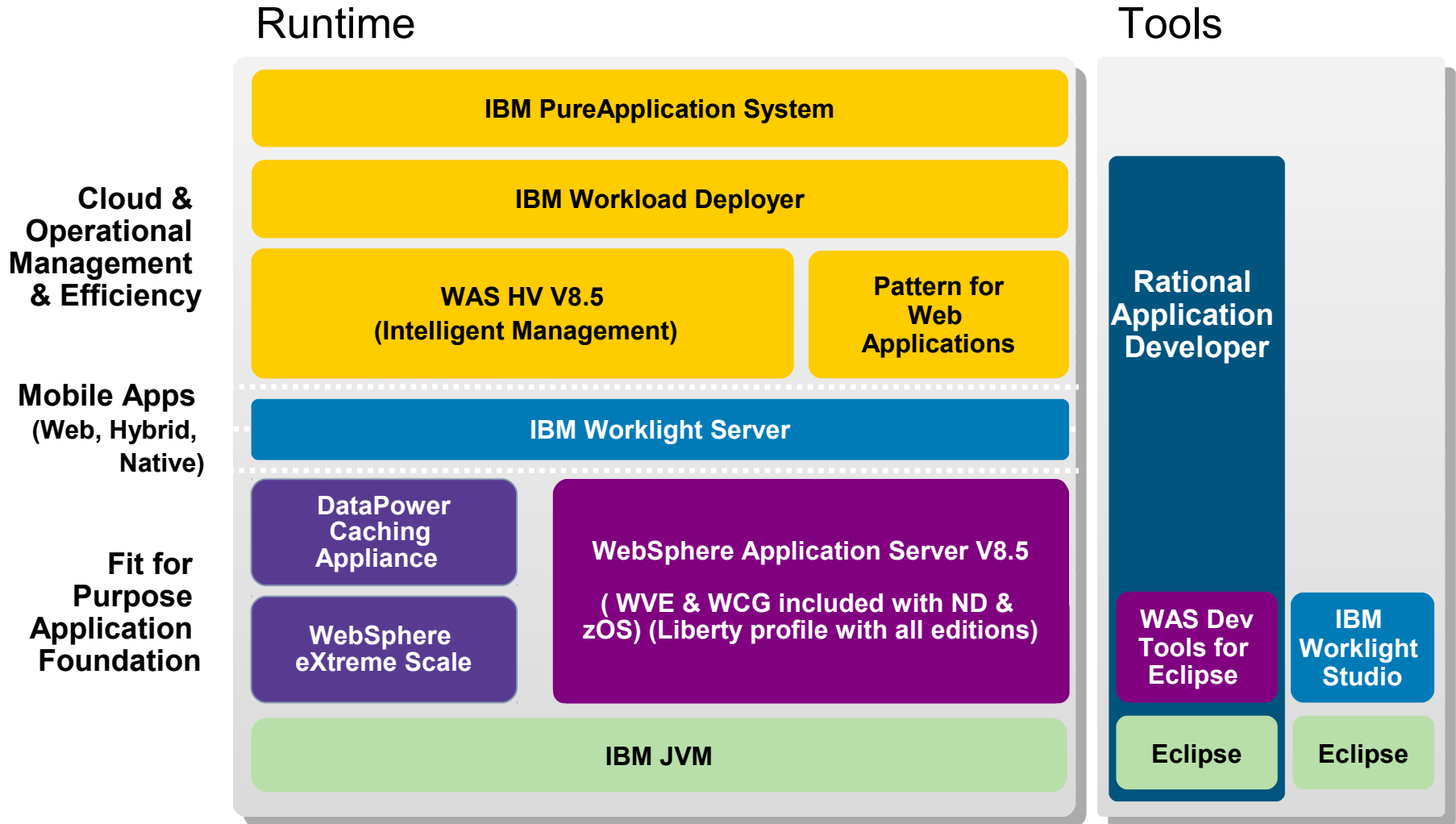
# WebSphere Application Server: Over 14 years of Leadership & Trusted Delivery





# WebSphere Application Infrastructure

## What's Changed





# WAS v8.5 with the Liberty Profile and Intelligent Mgmt. now looks like:

## WAS for Developers

Tools Edition

+Liberty Profile

Enables efficient development of innovative apps that will run on WAS in production

Available as a no-charge edition for the developer desktop and includes Eclipse adapters

## WAS Hypervisor Edition

+Liberty Profile

+Intelligent Mgmt

Optimized to instantly run in VMware and other server virtualization environments

## WAS ND

Tools Edition

+Liberty Profile

+Intelligent Mgmt

Delivers near-continuous availability, with advanced performance and mgmt capabilities, for mission-critical apps

## WAS for z/OS

+Liberty Profile

+Intelligent Mgmt

Takes full advantage of the z/OS Sysplex to deliver a highly secure, reliable, and resource efficient server experience

## WAS

Tools Edition

+Liberty Profile

Provides secure, high performance transaction engine for moderately sized configurations with web tier clustering and failover across up to five application server profiles

## WAS Express

+Liberty Profile

A lower-cost, ready-to-go solution to build dynamic Web sites & apps

## WAS CE

An open source-based, small footprint foundation with no up-front acquisition costs

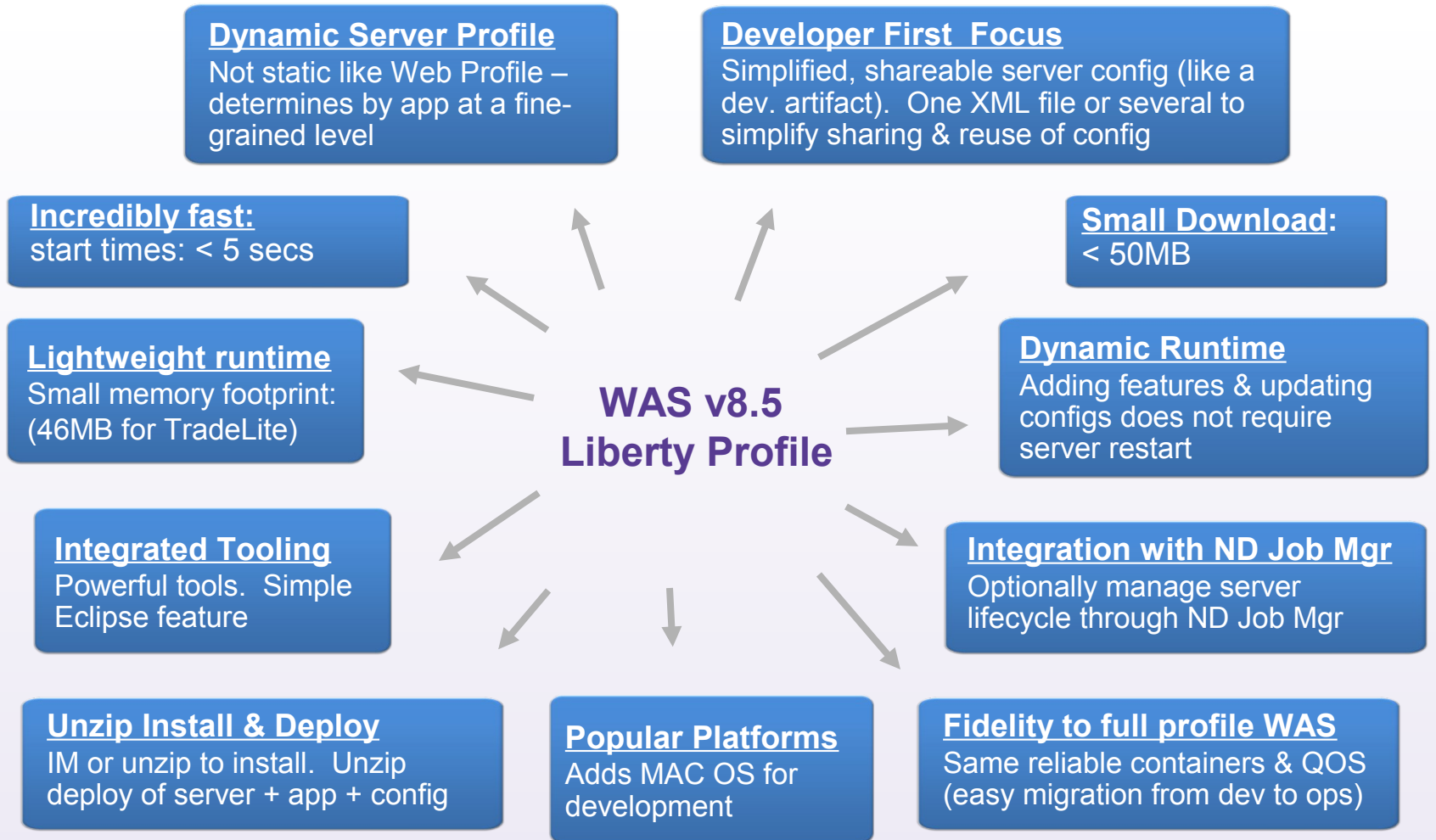
■ Built on a common code base





# WAS v8.5: Introduces the Lightweight “Liberty” Profile – For Web, OSGi and Mobile Apps

*A highly composable, dynamic Server profile*





# Liberty Profile – Startup & Footprint

## ■ The problem of a lightweight development environment in WebSphere has been solved!

- Liberty Profile startup & footprint are on par with Tomcat.
- Liberty Profile starts up in less than half the time of JBoss Web profile.

### System Info:

Lenovo T60p - 2 x 2.16 GHz Intel Core Duo T2600  
2GB RAM, Windows XP 32-bit

Apache Tomcat 7.0.12

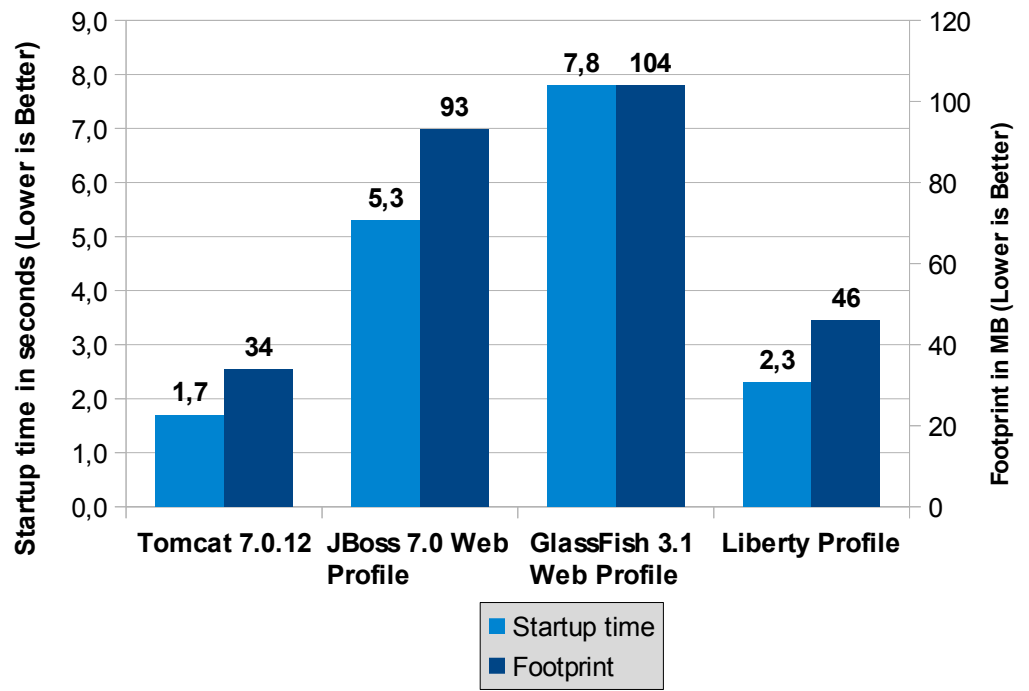
JBoss Community Edition 7.0 Web Profile server

GlassFish Server 3.1 Open Source Edition Web Profile

WAS V8.Next Liberty Profile

(All servers had the TradeLite benchmark application installed)

### Startup & Footprint Comparison of various lightweight servers



*Note: Tomcat , JBoss, and GlassFish were measured with the HotSpot JDK, while Liberty was measured with the IBM JDK.*



# Introducing the WAS Tools Edition Bundles



## WAS ND – Tools Edition

- Like “WAS – Tools Edition” but for WAS ND production use

## WAS – Tools Edition

- Solution: Production WAS + unlimited tools (RAD or WAS Developer Tools)
- Terms (runtime): Production use
- Terms (tools): Unlimited use of tools for developing applications to be deployed on WAS included with this bundle.

## WAS for Developers – Tools Edition for Eclipse

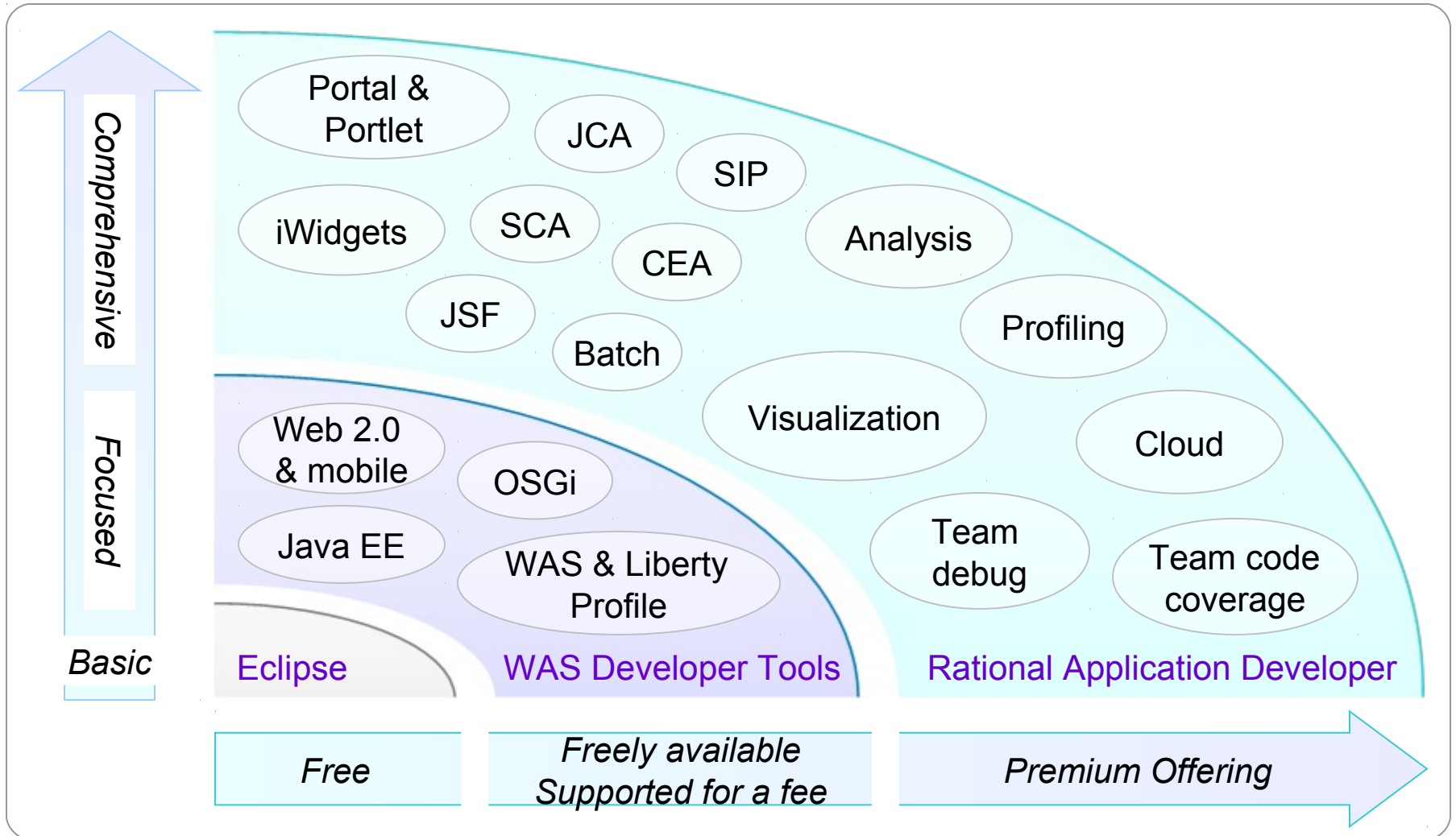
- Solution: WAS for Developers + WAS Developer Tools
- Terms: Single user. Development use only
- Freely available, supported for a fee
- Easily obtained for rapid development to WAS v7, v8, v8.5 and Liberty



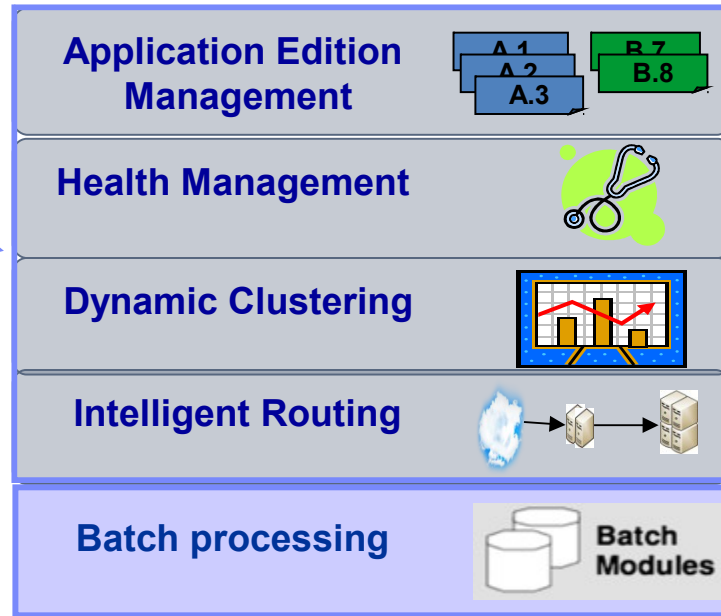




# Rational Application Developer and the new WAS Developer Tools



# WAS ND V8.5: Resiliency enhancements – WebSphere Virtual Enterprise & WebSphere Batch



Install WebSphere Virtual Enterprise

Install WebSphere Compute Grid

Install WAS ND V8 or earlier

*Before*

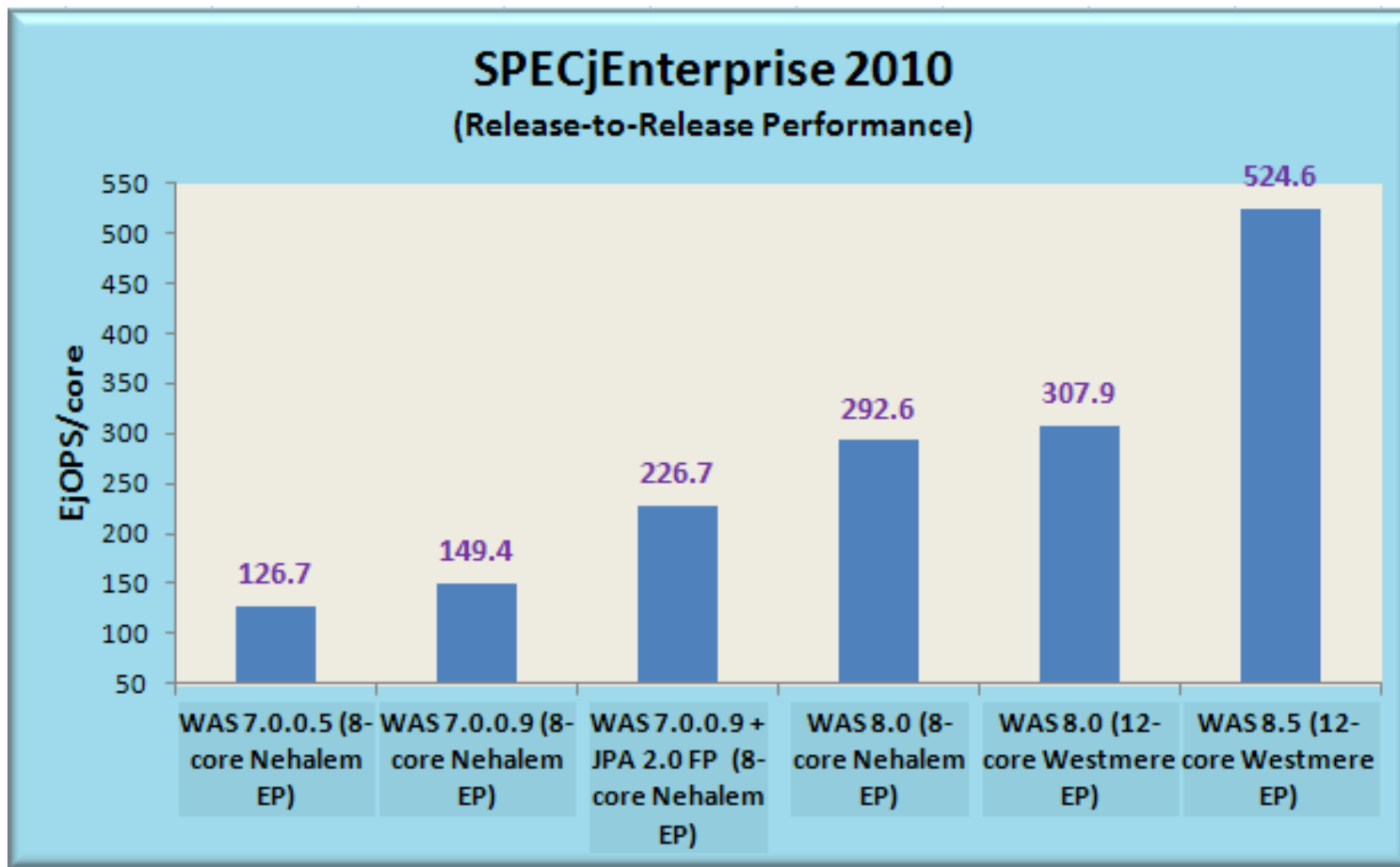


Install WAS ND V8.5

*After*



# WebSphere Release-to-Release Performance



**Consistent Performance gains across WAS Releases**

As per SPEC Published Data as of 4/26/2012

<http://www.spec.org/jEnterprise2010/results/jEnterprise2010.html>

