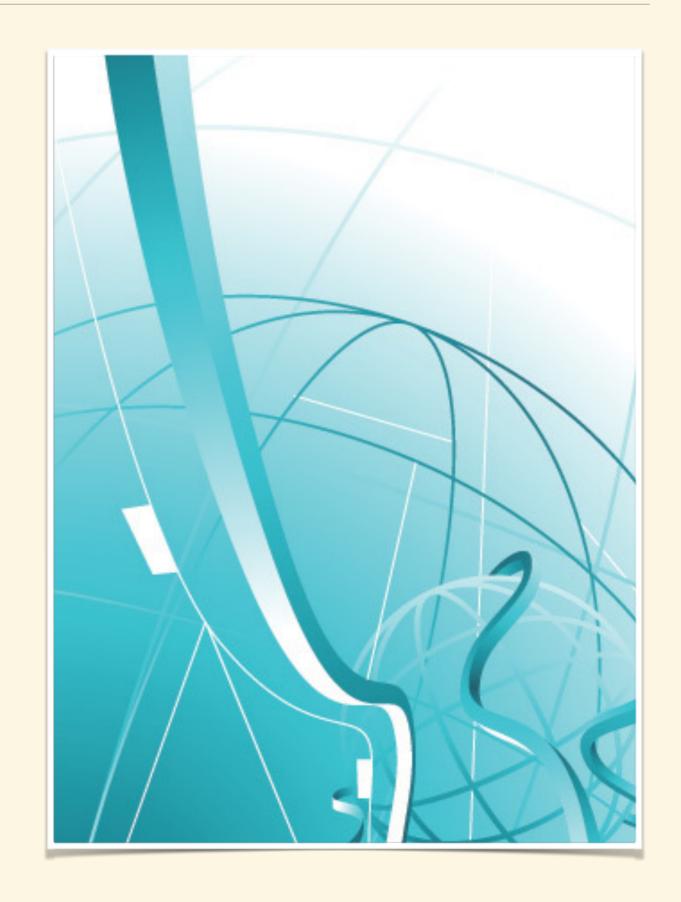
# WEBSPHERE APPLICATION SERVER V9

What's New

# WebSphere Application Server V9 What's New

- Java EE 7
- Java SE 8
- Cloud Ready
- Liberty enhancements
  - Updated features
  - Node.js management
  - New eXtreme Scale package
  - Versioning Scheme change



### JAVA EE 7

- WAS V9 is Java EE 7 certified
  - Liberty Profile is Java EE 7 ready since V8.5.5.6 (June 2015)
- Java EE 7 new APIs:
  - Concurrency Utilities
  - Java for JSON
  - WebSockets

### JAVA EE 7

- Java EE 7 improvements:
  - Non-blocking I/O in Servlet 3.1
  - Batch (JSR 352) standardise bulk processing
- Java EE 7 updated specs, including:
  - Servlet 3.1, JSP 2.3, JSF 2.2, EJB 3.2
  - JDBC 4.1, JPA 2.1
  - JAX-RS 2.0

### JAVA SE 8

- WAS V9 comes with Java SE 8 by default.
- WAS 8.5.5.9 supports Java SE 8 also.
  - This is WAS 8.5.5 updated to FixPack 9.
  - As with Java 7, it needs to be installed as a separate package.
  - Then use managesdk to switch using the new JDK.

#### **CLOUD READY**

- Docker containers for WAS V9 traditional and <u>Liberty Profile</u>
- IBM Bluemix
  - Liberty app accelerator
  - Game On!



- IBM API Connect Essential edition included
- IBM Cloud and VMware vSphere common models
- Liberty on PaaS: AWS, Azure, OpenShift, Pivotal Cloud Foundry

ND

Core

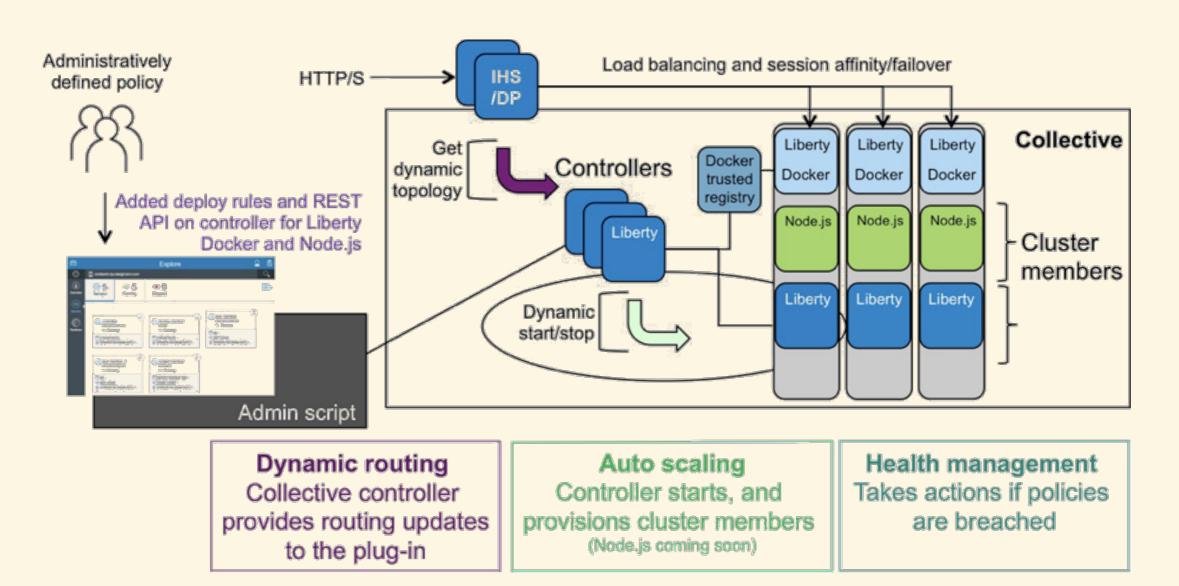
Web Profile

# LIBERTY - FEATURES

				zosRequest	zosRequestLogging-1.0			The state of the s
	zosSecurity-1.0 zosTransaction-1.0			zosLocalAdapters-1.0			zosWlm-1.0	zosConnect-1.2
	scalingController-1.0 collectiveCo			ontroller-1.0 healthMana		ager	-1.0	dynamicRouting-1.0
	scalingMember-1.0 clusterMem			nber-1.0 healthAnal		yzer-1.0		
				mediaServerControl-1.0				
	jmsMdb-3.2			sipServlet-1.0			ejbHome-3.2	rtcommGateway-1.0
	batch-1.0	j2eeManagement-1.1 wsSecurity-1.1 wasJmsServer-1.0		javaeeClient-7.0			rtcomm-1.0	wsAtomicTransaction-1.2
	ejb-3.2			ejbPersistentTimer-3.2			jacc-1.5	ejbRemote-3.2
	wsSecurity-1.1			mongodb-2.0			jaspic-1.1	jms-2.0
	jaxb-2.2			wsSecuritySaml-1.1			mdb-3.2	jcalnboundSecurity-1.0
	jaxws-2.2	wasJmsClient-2.0		wasJmsSecurity-1.0			couchdb-1.0	jca-1.7
	javaMail-1.5	IdapRegist	ry-3.0	eventLoggin	g-1.0			apiDiscovery-1.0
	oauth-2,0 collectiveMember-		lember-1.0	osgiConsole-1.0 requestTiming-1.0 timedOperations-1.0 webCache-1.0				adminCenter-1.0
П	json-1.0	concurrent-1.0 monitor-1.0 wab-1.0 sessionDatabase-1.0					samlWeb-2.0	osgiAppIntegration-1.0
П	concurrent-1.0						bells-1.0	openid-2.0
П	wab-1.0						scim-1.0	openidConnectClient-1.0
П	blueprint-1.0			distributedM	ap-1.0		spnego-1.0	openidConnectServer-1.0
П	osgiBundle-1.0	httpWhiteboard-1.0		passwordUtilities-1.0 bluemixUtility-1.0 ssl-1.0				federatedRepository-1.0
							constrainedDelegation-1.0	
	ejbLite-3.2	jdbc-4.1						logstashCollector-1.0
	jsf-2.2	jndi-1.0		beanValidati	on-1.1		jaxrs-2.0	jaxrsClient-2.0
	jsp-2.3			cdi-1.2			webSocket-1.	1 webSocket-1.0
	servlet-3.1	managedB	managedBeans-1.0		jpa-2.1		el-3.0	jsonp-1.0

## LIBERTY - NODE.JS MANAGEMENT

Liberty Collective Controller can manage Node.js servers.



### LIBERTY - EXTREME SCALE

- WebSphere eXtreme Scale Liberty Deployment (XSLD) 8.6.1 is a new package included in WAS V9.
- XSLD improves the management of scalable, in-memory data grids and caching through a GUI and a REST interface.

### LIBERTY - VERSIONING SCHEME

 As Liberty is evolution is faster than traditional WAS, a different versioning scheme is used.

year . release . modlevel . fixpack

## FURTHER READING & REFERENCES

- Traditional WebSphere or Liberty: how to choose?
- Download the Latest Stable WebSphere Liberty runtime