

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
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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
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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.
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CLOUD READY

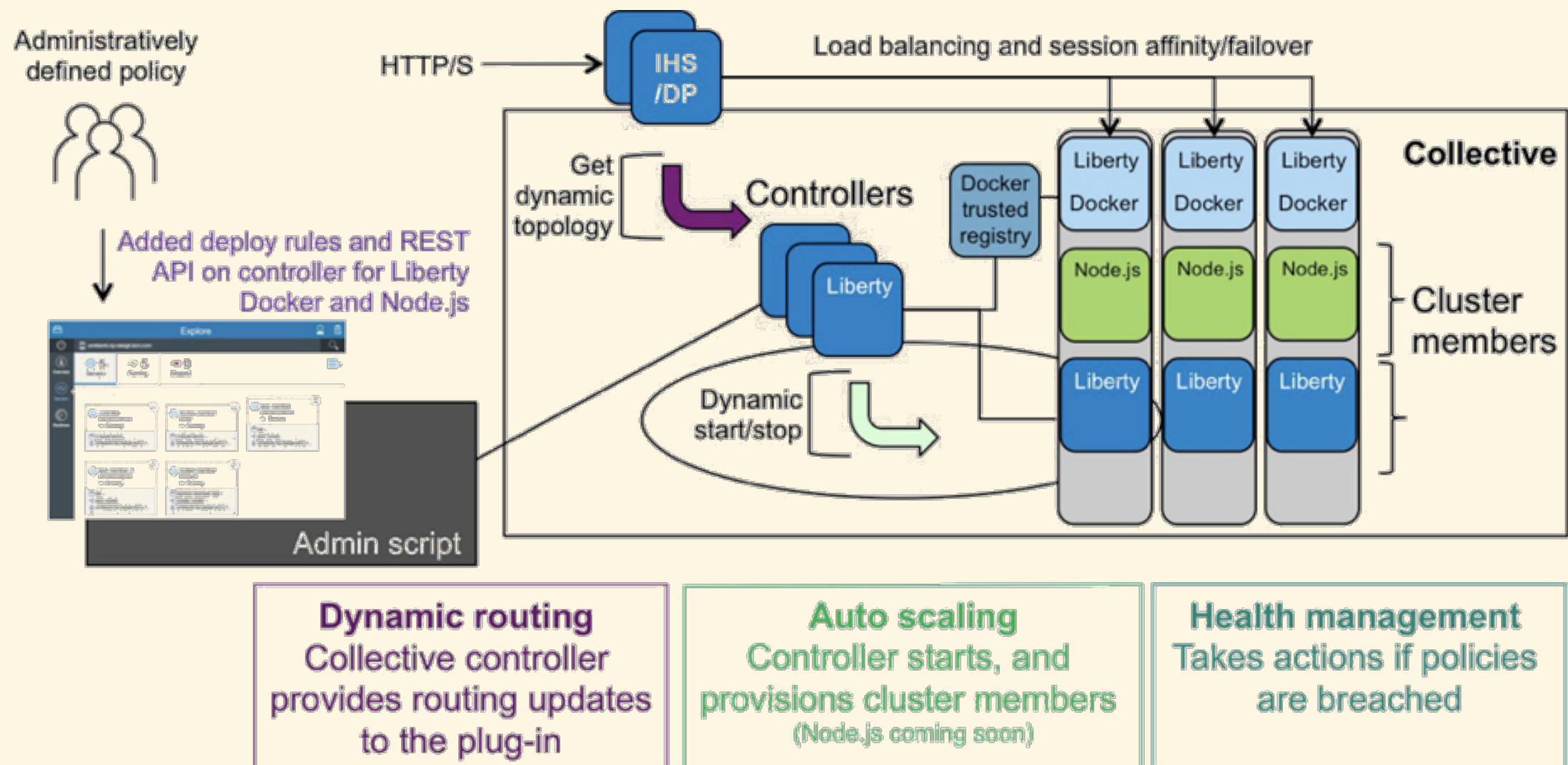
- Docker containers for WAS V9 traditional and Liberty Profile
- IBM Bluemix
 - Liberty app accelerator
 - Game On!
- IBM API Connect - Essential edition included
- IBM Cloud and VMware vSphere common models
- Liberty on PaaS: AWS, Azure, OpenShift, Pivotal Cloud Foundry



zosSecurity-1.0		zosTransaction-1.0	zosRequestLogging-1.0	zosLocalAdapters-1.0	zosWlm-1.0	zosConnect-1.2
scalingController-1.0		collectiveController-1.0	healthManager-1.0		dynamicRouting-1.0	
scalingMember-1.0		clusterMember-1.0	healthAnalyzer-1.0			
		mediaServerControl-1.0				
jmsMdb-3.2		sipServlet-1.0		ejbHome-3.2	rtcommGateway-1.0	
batch-1.0	appClientSupport-1.0	javaeeClient-7.0		rtcomm-1.0	wsAtomicTransaction-1.2	
ejb-3.2	j2eeManagement-1.1	ejbPersistentTimer-3.2		jacc-1.5	ejbRemote-3.2	
wsSecurity-1.1	wasJmsServer-1.0	mongodb-2.0		jaspic-1.1	jms-2.0	
jaxb-2.2	wmqJmsClient-2.0	wsSecuritySaml-1.1		mdb-3.2	jcaInboundSecurity-1.0	
jaxws-2.2	wasJmsClient-2.0	wasJmsSecurity-1.0		couchdb-1.0	jca-1.7	
javaMail-1.5	ldapRegistry-3.0	eventLogging-1.0			apiDiscovery-1.0	
oauth-2.0	collectiveMember-1.0	osgiConsole-1.0			adminCenter-1.0	
json-1.0	restConnector-1.0	requestTiming-1.0		samlWeb-2.0	osgiAppIntegration-1.0	
concurrent-1.0	monitor-1.0	timedOperations-1.0		bells-1.0	openid-2.0	
wab-1.0	sessionDatabase-1.0	webCache-1.0		scim-1.0	openidConnectClient-1.0	
blueprint-1.0	serverStatus-1.0	distributedMap-1.0		spnego-1.0	openidConnectServer-1.0	
osgiBundle-1.0	httpWhiteboard-1.0	passwordUtilities-1.0			federatedRepository-1.0	
		bluemixUtility-1.0			constrainedDelegation-1.0	
					logstashCollector-1.0	
ejbLite-3.2	jdbc-4.1	ssl-1.0				
jsf-2.2	jndi-1.0	beanValidation-1.1		jaxrs-2.0	jaxrsClient-2.0	
jsp-2.3	appSecurity-2.0	cdi-1.2		websocket-1.1	websocket-1.0	
servlet-3.1	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.
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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
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