

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 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



z/OS

ND

Core

Web

LIBERTY - FEATURES

zosRequestLogging-1.0

zosSecurity-1.0

zosTransaction-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

jaxrs-2.0

jaxrsClient-2.0

jsf-2.2

jndi-1.0

beanValidation-1.1

websocket-1.1

websocket-1.0

jsp-2.3

appSecurity-2.0

cdi-1.2

el-3.0

jsonp-1.0

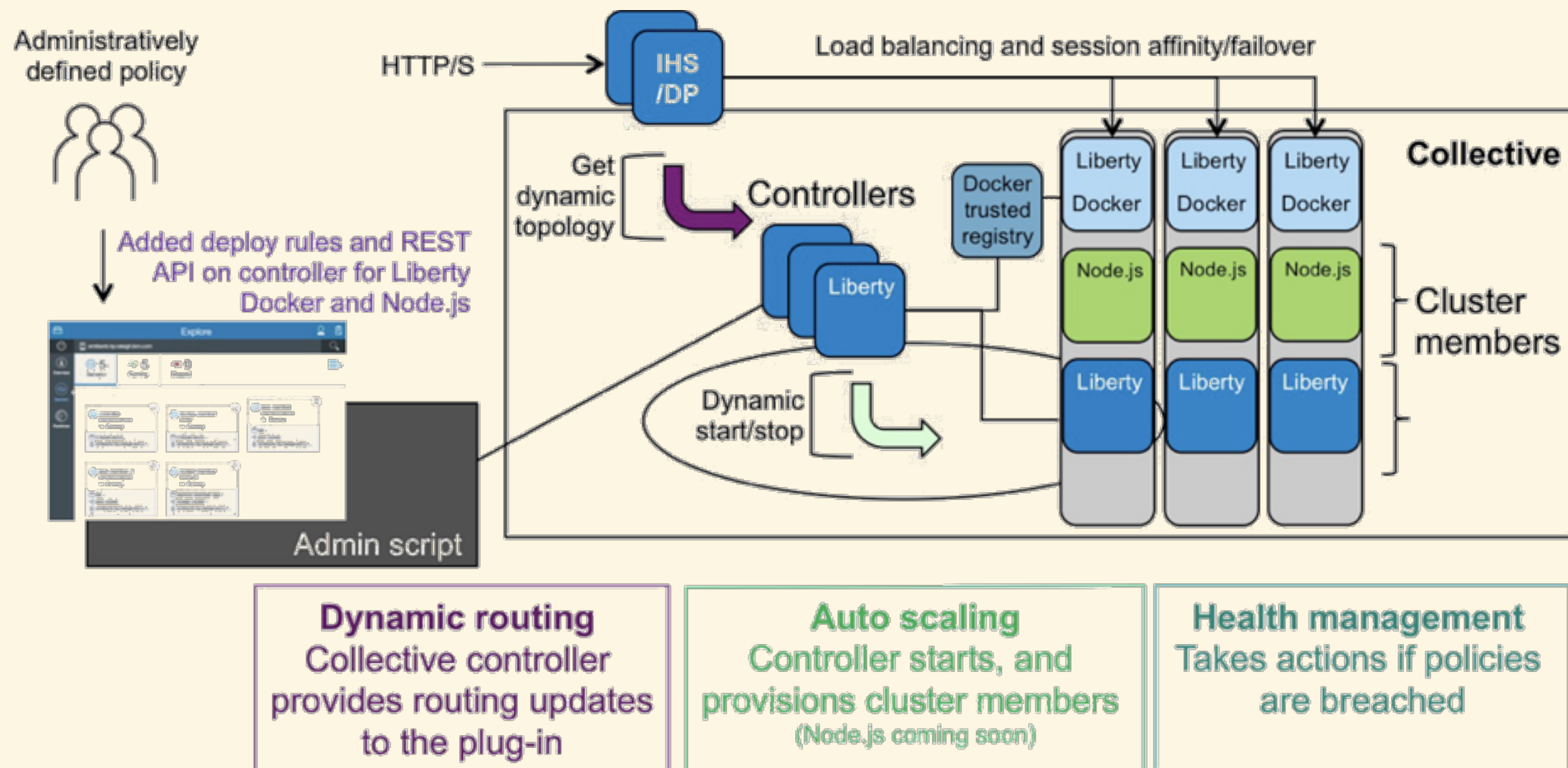
servlet-3.1

managedBeans-1.0

jpa-2.1

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

- Examples:
 - 18.0.0.1
 - 17.0.0.4
 - 17.0.0.3

FURTHER READING & REFERENCES

- Traditional WebSphere or Liberty: how to choose?
 - Download the latest stable WebSphere Liberty runtime
-