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# WEBSPHERE APPLICATION SERVER V9

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What's New

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## 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



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# JAVA EE 7

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- 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

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- 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

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- 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

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- 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 Profile

# 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

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

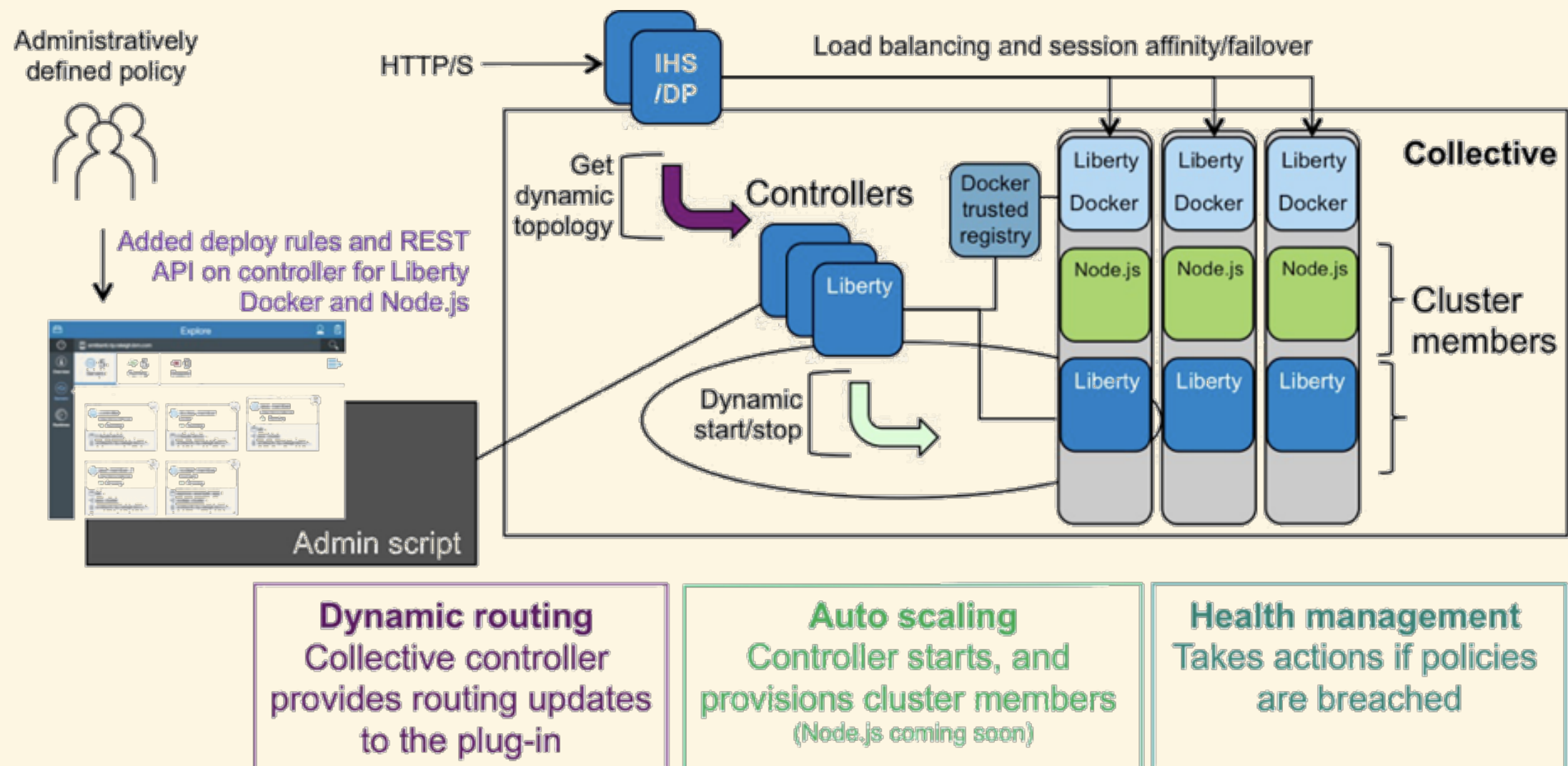
el-3.0

jsonp-1.0



# LIBERTY - NODE.JS MANAGEMENT

- Liberty Collective Controller can manage Node.js servers.





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# LIBERTY - EXTREME SCALE

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- 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

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

**year . release . modlevel . fixpack**

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