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JEE/Jakarta EE

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- Java Enterprise Edition Jakarta Enterprise Edition
 - Set of specifications on top of Java SE
 - API's and Frameworks such as
 - JDBC Datasources
 - JNDI (Java Naming Directory Interface)
 - JMS (Java Messaging Service)
 - WebServices/REST Services
 - Servlets/Java Server Pages/Java Server Faces
- Reference: GlassFish Server OS, JEE 8 fully certified

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Weblogic

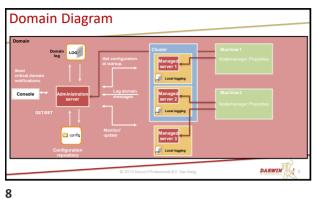
- Fully supports JEE 7 as of 12.2.1, JEE 8 as of 14.1
- Commercial App Server, by BEA Systems
- Acquired by Oracle in 2008
- Strategic Application Server, replacing OC4J
 - (Oracle has 3 JEE AppServers...)
- Very rich support for (amongst others)
 - Clustering High Availability Diagnostics and Monitoring
 - JMS - JDBC - REST & SOAP

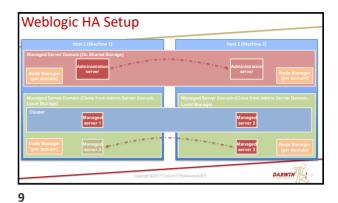
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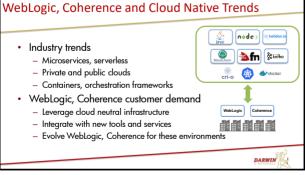


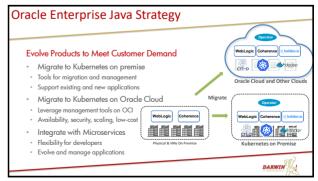


Weblogic Clustering Share resources (Deployments, Datasources, JMS) · Supports Service Migration and Whole Server Migration - Dynamic Clustering, based on Server templates, supports scale up, - Simpeler JMS Configuration, based on Dynamic Clusters - Chooses MS as Cluster Master to control cluster member health · Declarative configuration DARWIN



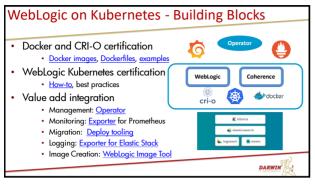
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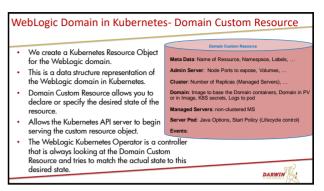


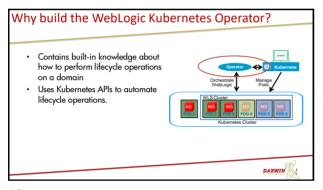


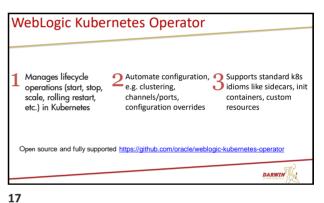
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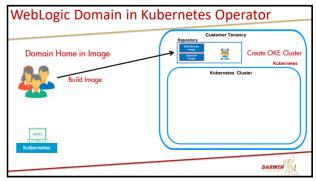






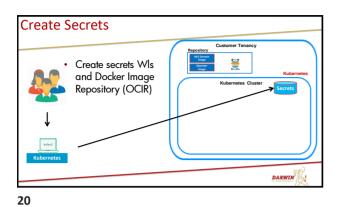
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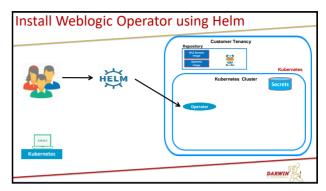


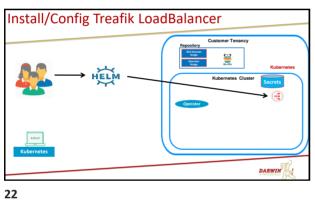


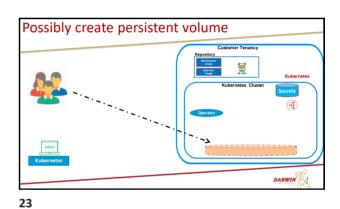
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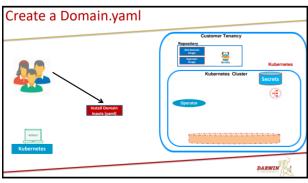
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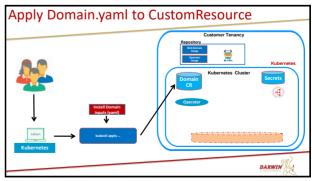




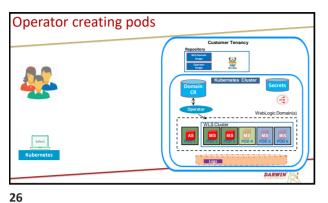


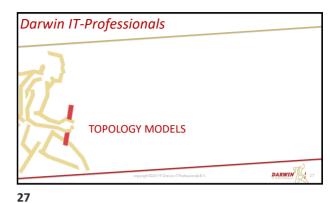


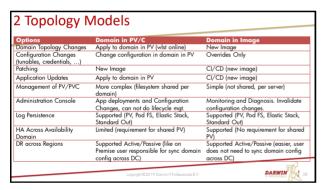




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Which model should I use? The key difference is how updates are handled Java updates WebLogic patching WebLogic configuration changes Application updates Are you fully embracing the CI/CD "DevOps" model and intend to manage change through that process? E.g. create new images every time there is an update Are you making changes to configurations and deployments in running systems? E.g. run WLST online to dynamically change your domain configuration. DARWIN

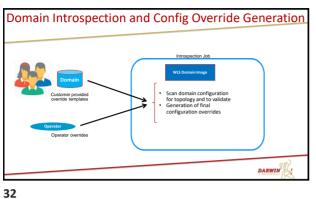
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Configuration Overrides · WebLogic Images containing Application, domain configuration, resources are immutable. These Docker images must be portable Development -> Testing -> Production. • Follow the customer's CI/CD process. Therefore, customers need a mechanism to override certain domain configuration • E.g. Provide data source URL and credentials DARWIN

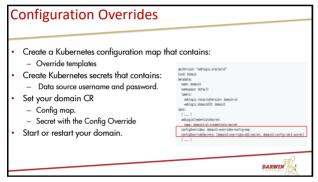
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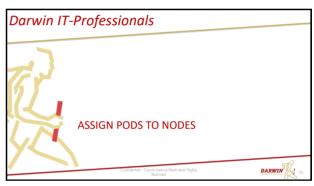
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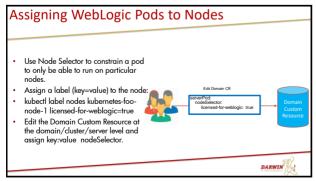
User Configuration Overrides Typical attributes for overrides include: User names, passwords, and URLs for: JDBC datasources • JMS bridges, foreign servers, and SAF Network channel public addresses: • For remote RMI clients (T3, JMS, EJB, JTA) · For remote WLST clients - Debugging - Tuning (MaxMessageSize, etc.) DARWIN

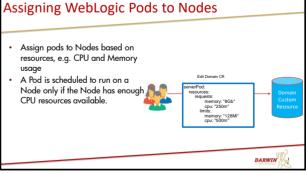
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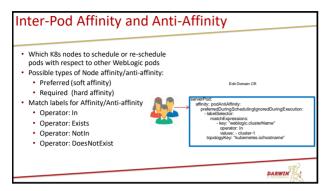
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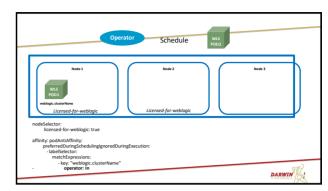


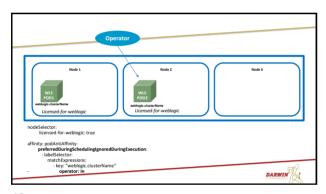


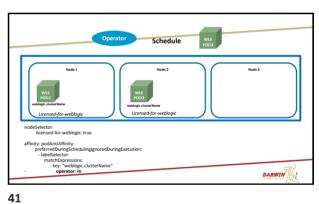
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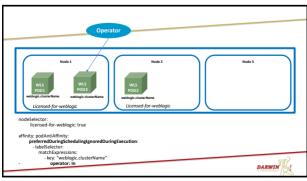








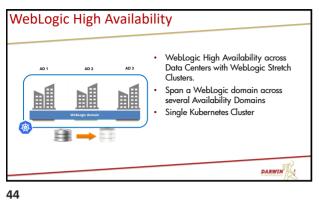
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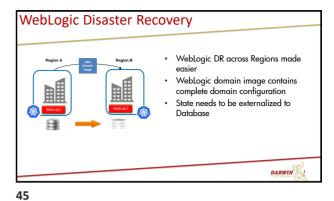


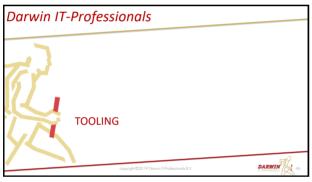


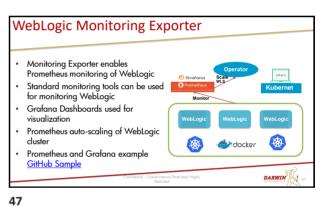
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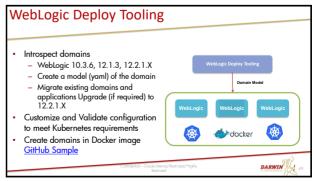




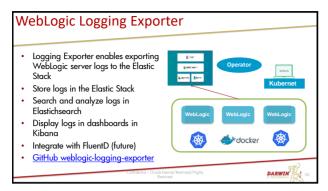


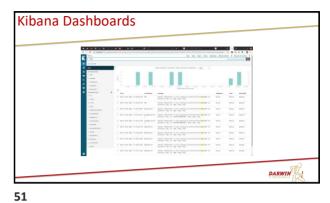


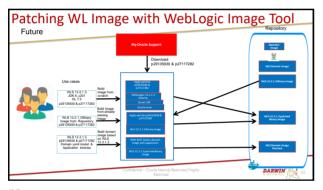




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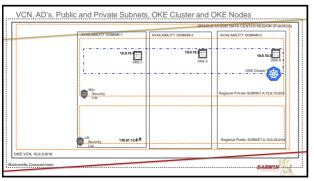


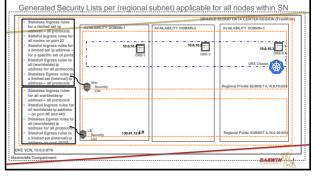






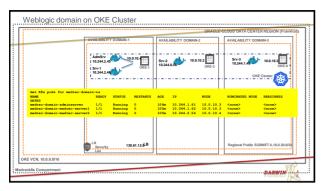
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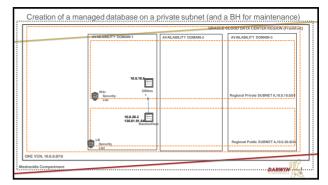


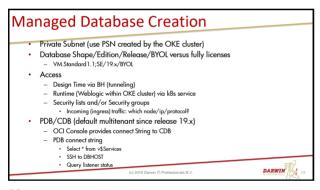


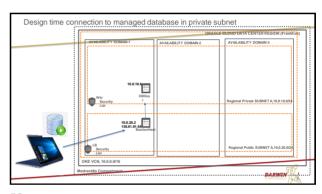
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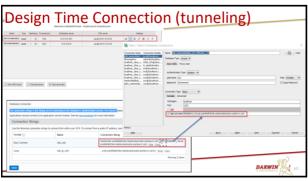


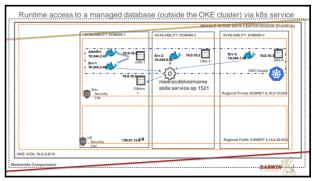






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