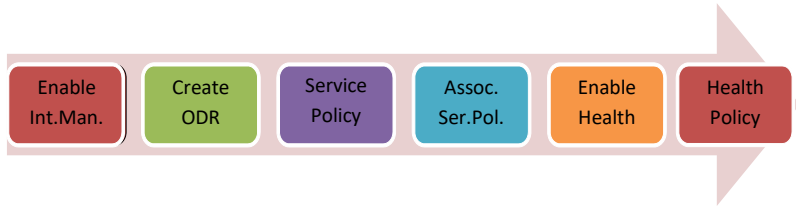
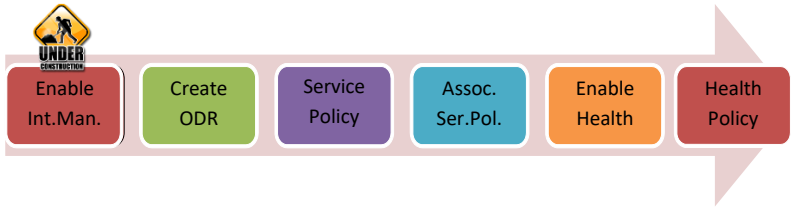
Lab Exercise 12: INTELLIGENT MANAGEMENT

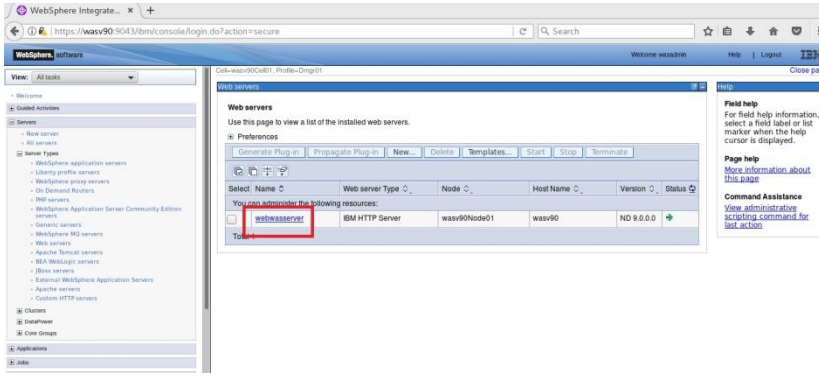


1. **Enable Intelligent Management**
2. **Create an ODR Server**
3. **Create a service policy**
4. **Associate a service policy with an application**
5. **Enable Health Management**
6. **Create a health policy**

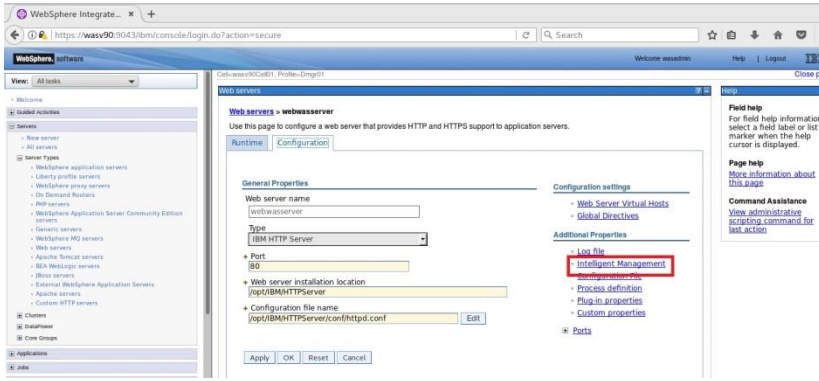


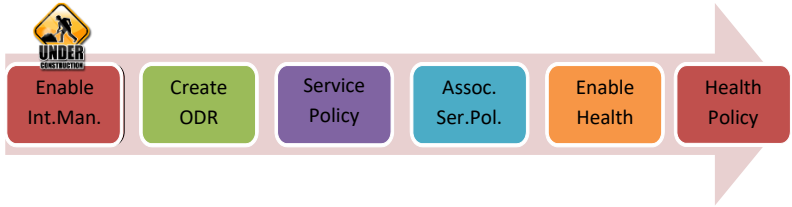
Task 1: Enable Intelligent Management

Step 1: Navigate to “Servers>Server Types>Web Servers” and click on server name.

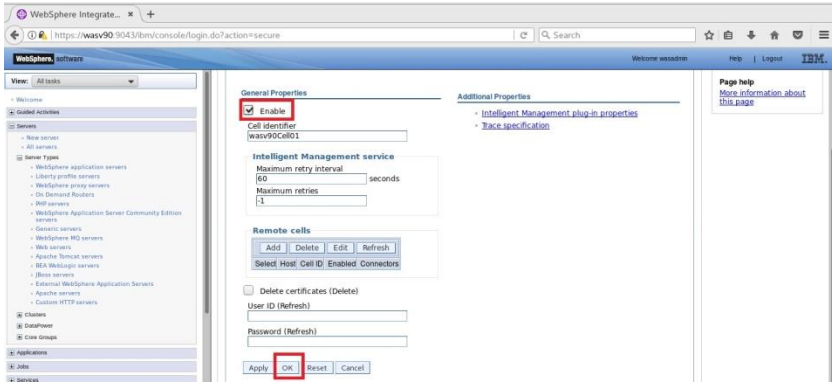


Step 2: Click “Intelligent Management” under “Additional Properties”.

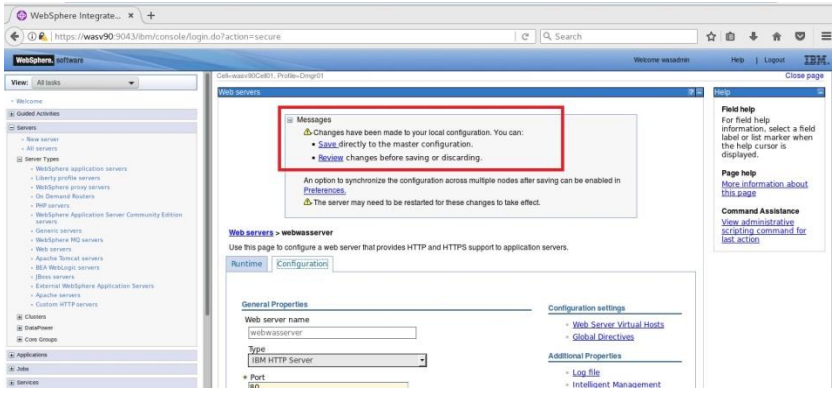


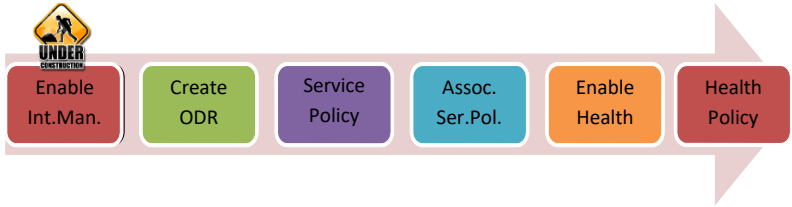


Step 3: Mark “Enable” and click “OK”.

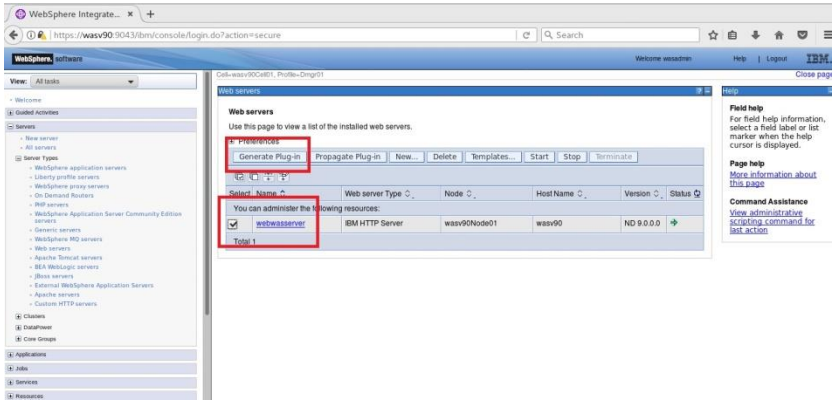


Step 4: Click “Save” to write changes directly to the master configuration.

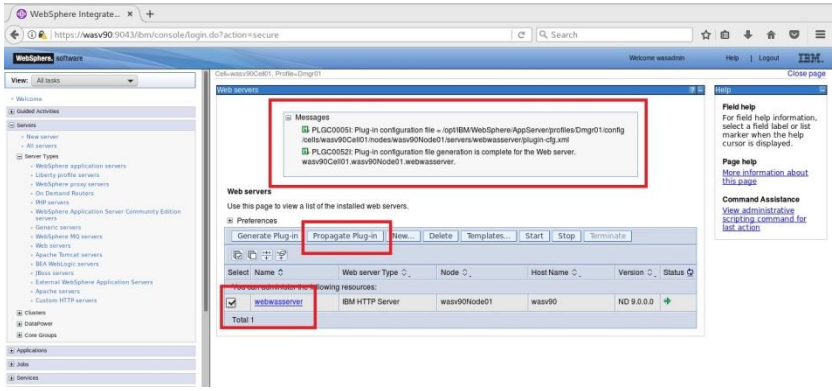


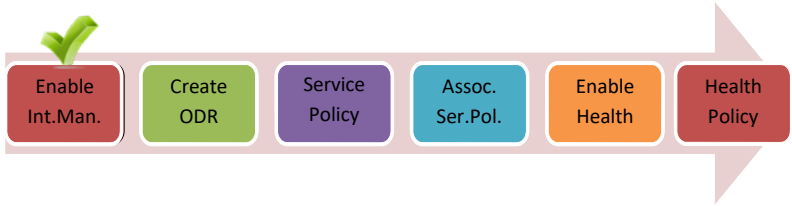


Step 5: Select the web server and click “Generate Plug-in”.

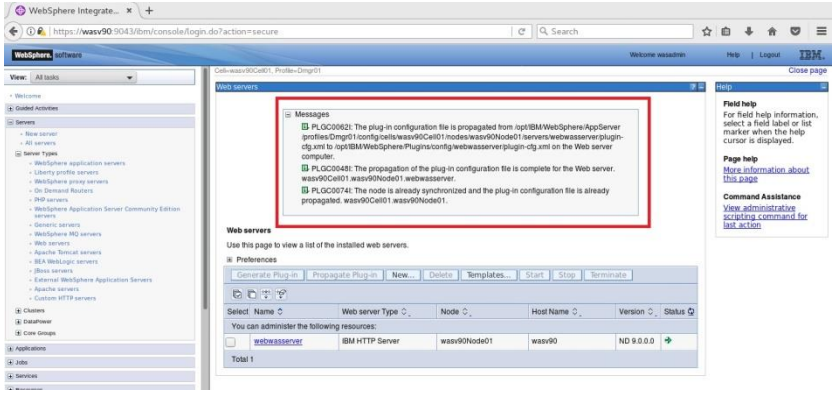


Step 6: When new configuration is generated click on “Propagate Plug-in”.

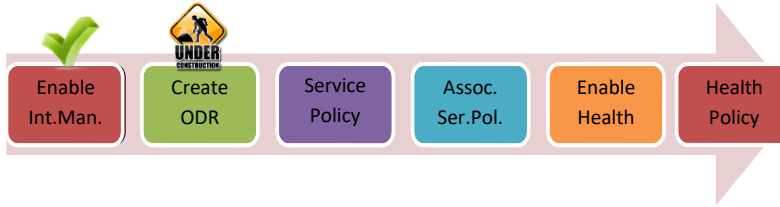




Step 7: You should see similar success message as following image.

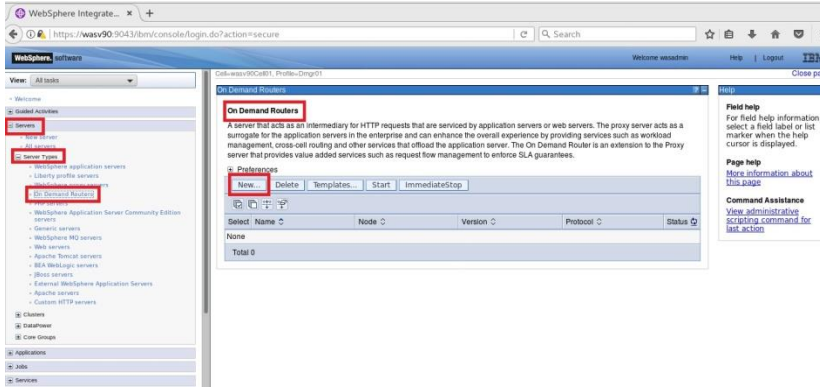


Task 1 is complete!

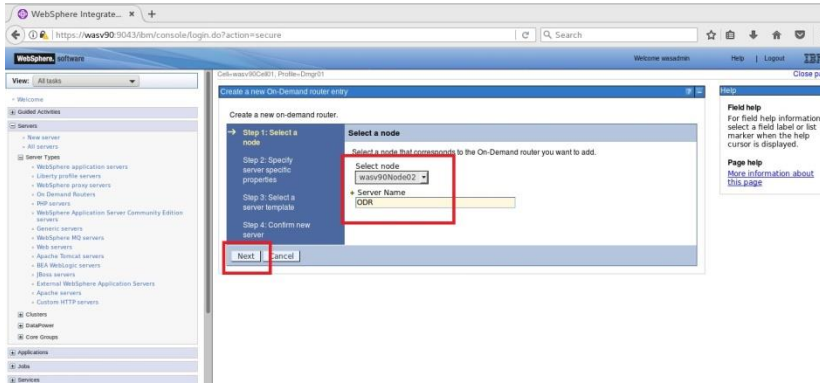


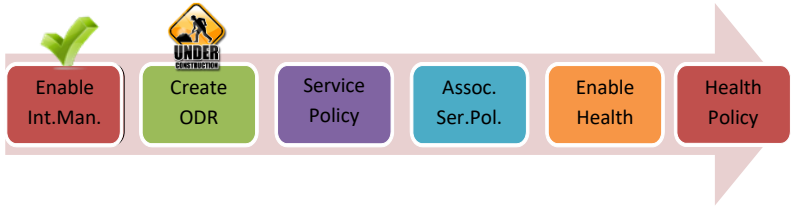
Task 2: Create an ODR Server

Step 1: Navigate to “Servers>Server Types>On Demand Routers” and click “New”.

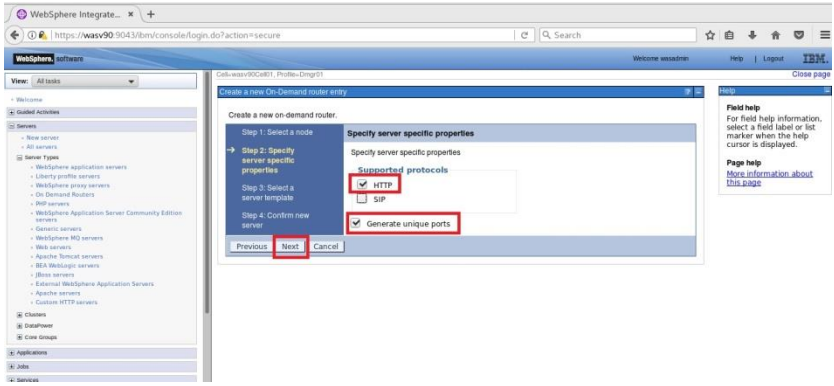


Step 2: Select the node you want to install ODR and type a name then click “Next”.

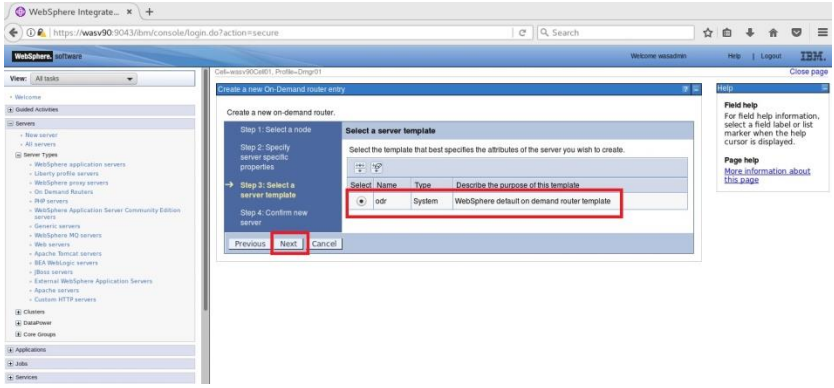


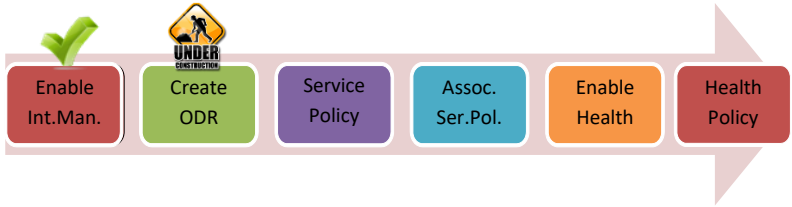


Step 3: Just select “HTTP” as supported protocol and click “Next”.

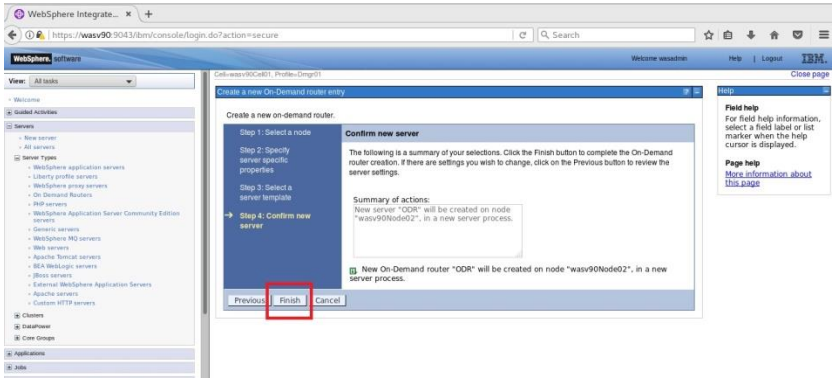


Step 4: Click “Next” to continue.

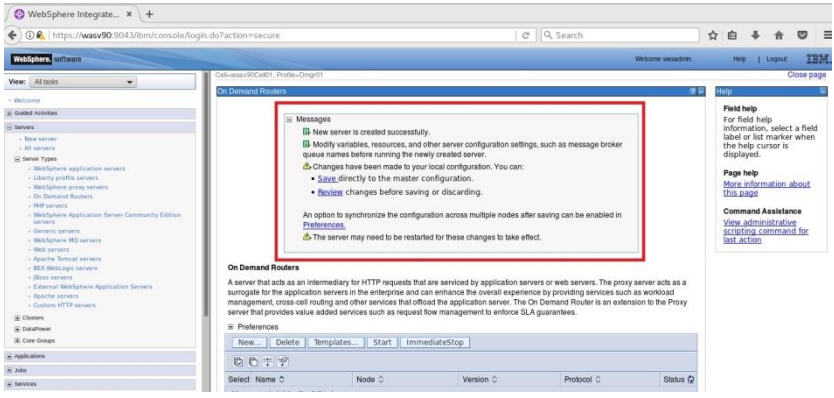


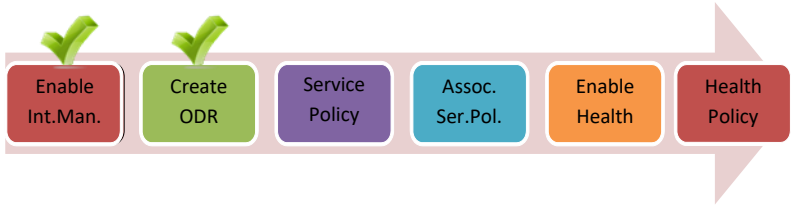


Step 5: Review the summary of the actions and click “Finish”.

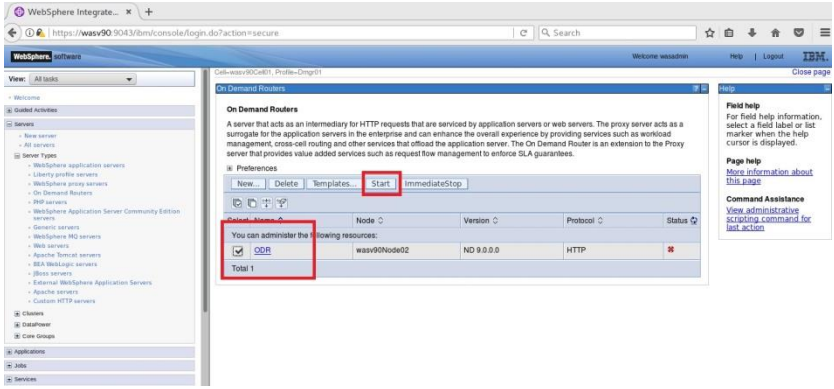


Step 6: Click “Save” to write changes to the master file.

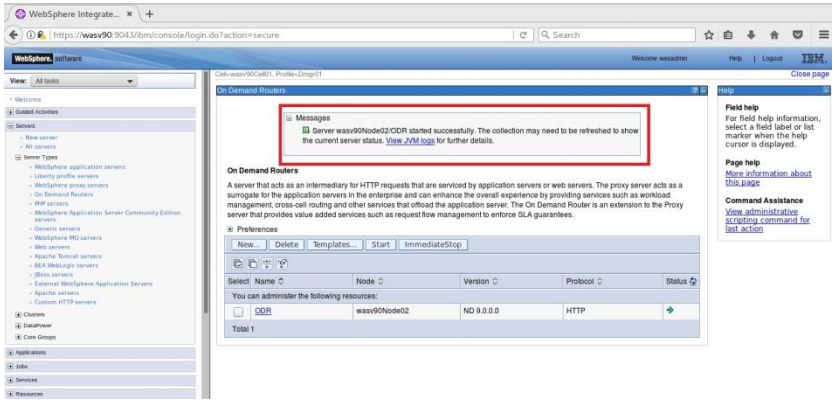




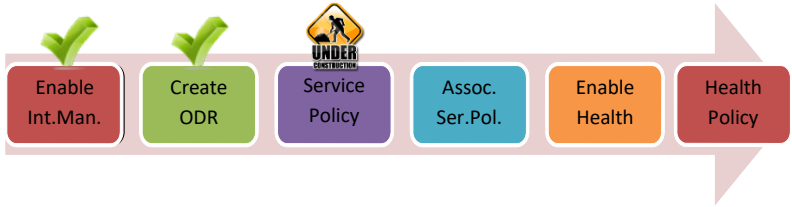
Step 7: Select newly created ODR and click “Start”.



You should see ODR started with success message.

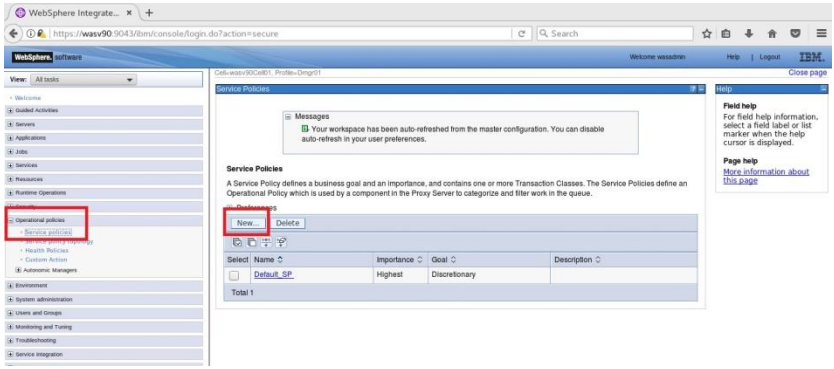


Task 2 is complete!

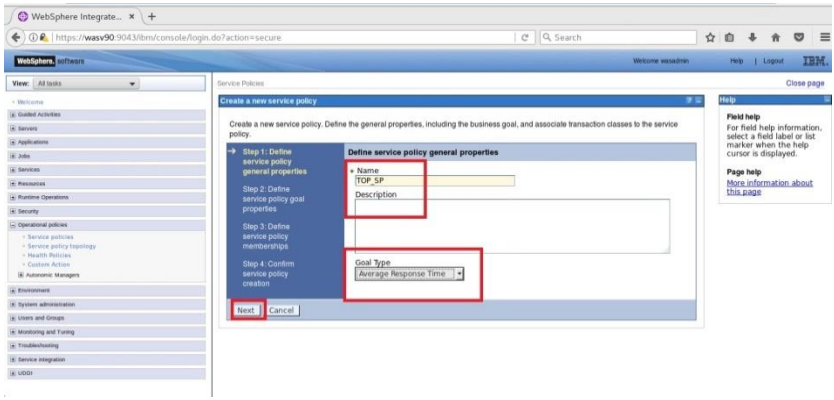


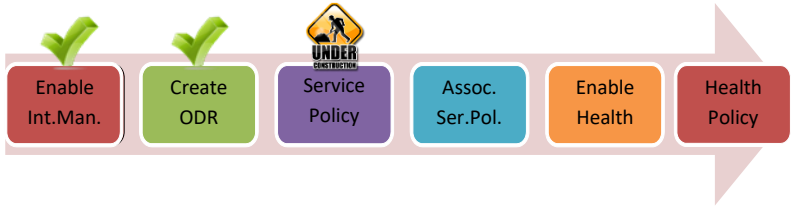
Task 3: Create a Service Policy

Step 1: Navigate to “Operational policies>Service policies” and click “New”.

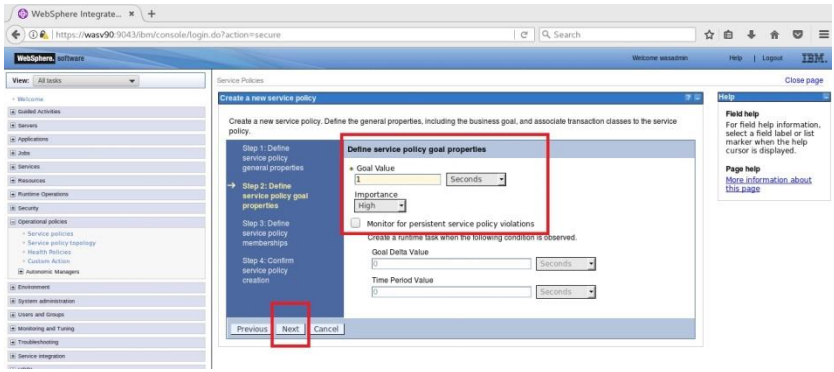


Step 2: Type a name for the policy (TOP_SP) and select “Average Response Time” then click “Next”.

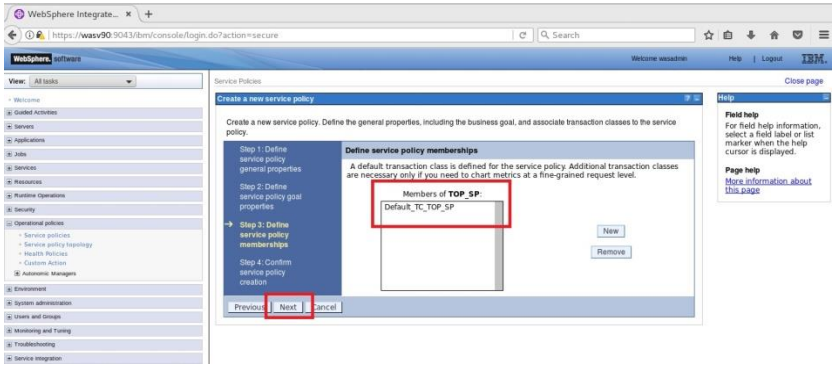


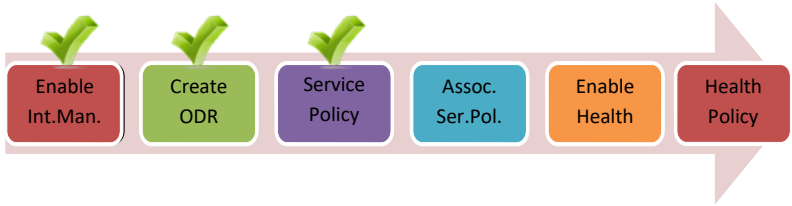


Step 3: Enter “Goal Value” as 1, select “Importance” “High” and click “Next”.

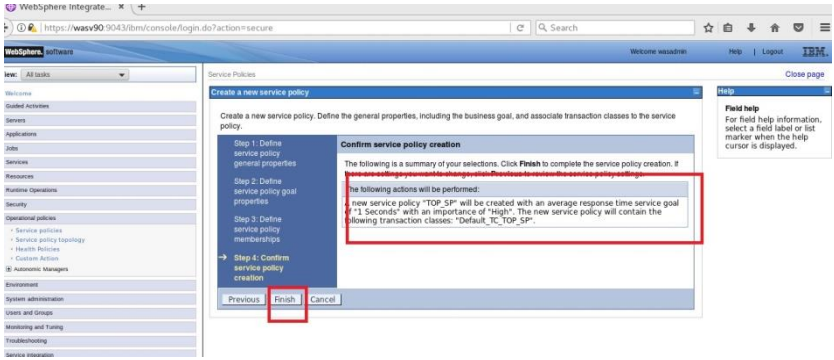


Step 4: Click “Next”.

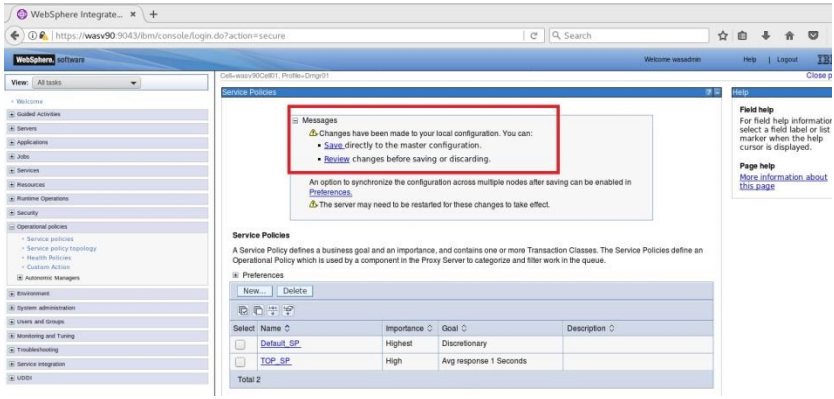




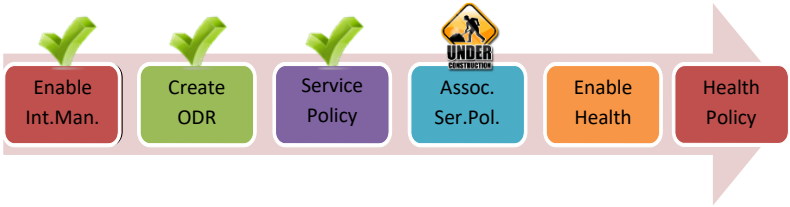
Step 5: Click “Finish” to complete policy creation.



Step 6: Click “Save” to write changes to the master configuration.

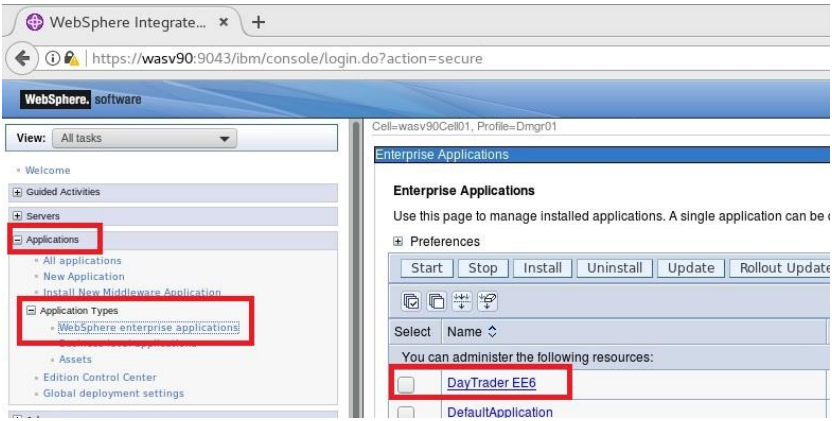


Task 3 is complete!

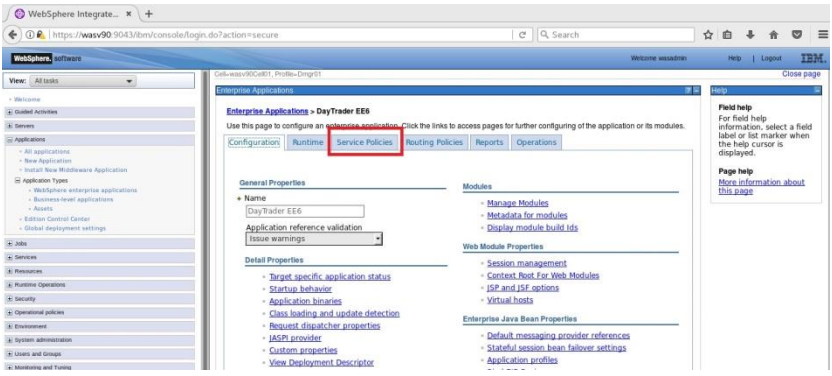


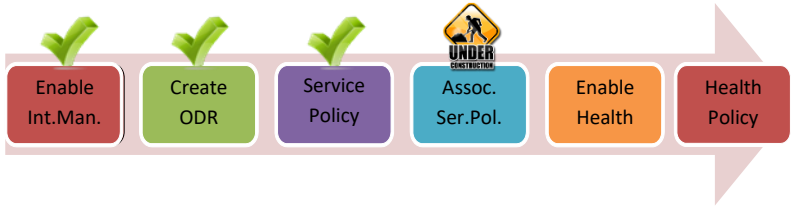
Task 4: Associate a Service Policy with an Application

Step 1: Navigate to “Applications>Application Types>WebSphere enterprise applications” and click on the application name. (DayTrader2-EE6)

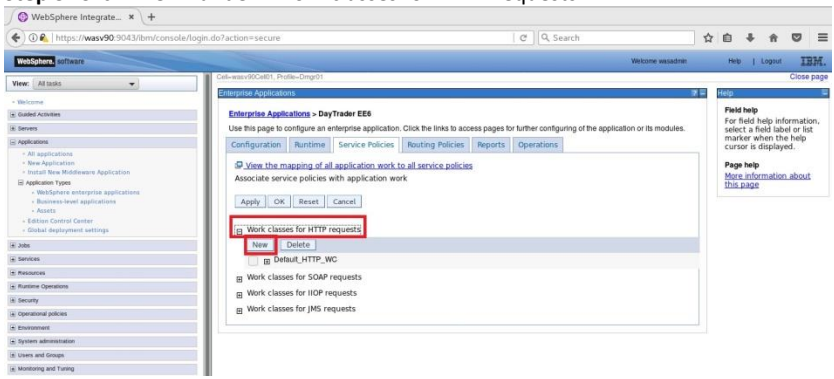


Step 2: Navigate to “Service Policies” tab.

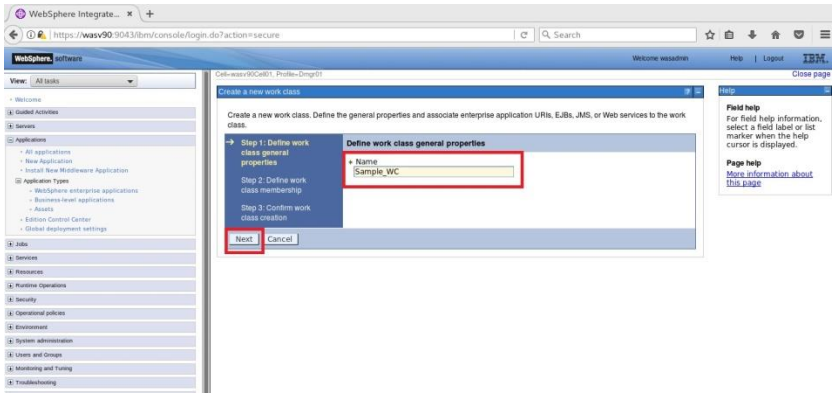


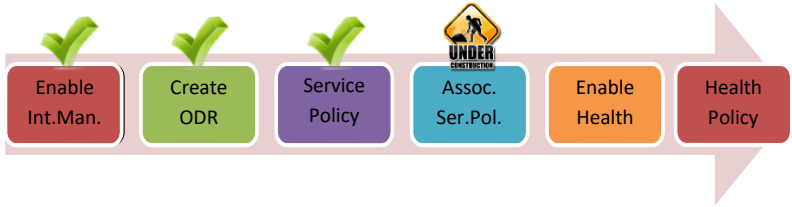


Step 3: Click “New” under “Work classes for HTTP requests”.

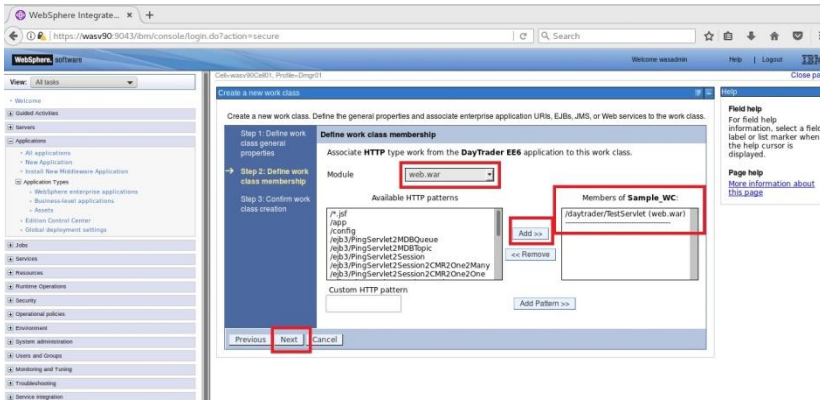


Step 4: Enter a name for the work class (Sample_WC) and click “Next”.

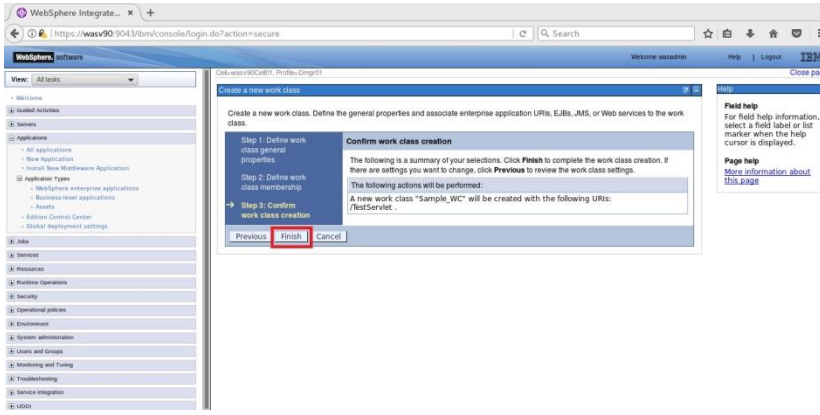


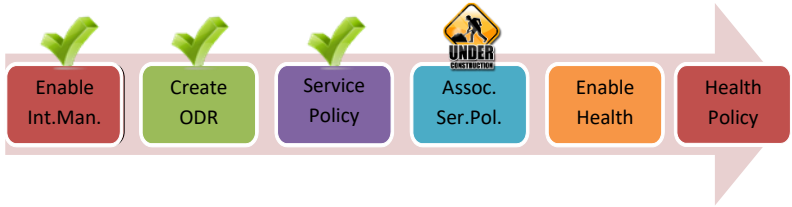


Step 5: Select the module (web.rar) from the list, add the “TestServlet” pattern as a member of “Sample_WC” and click “Next”.

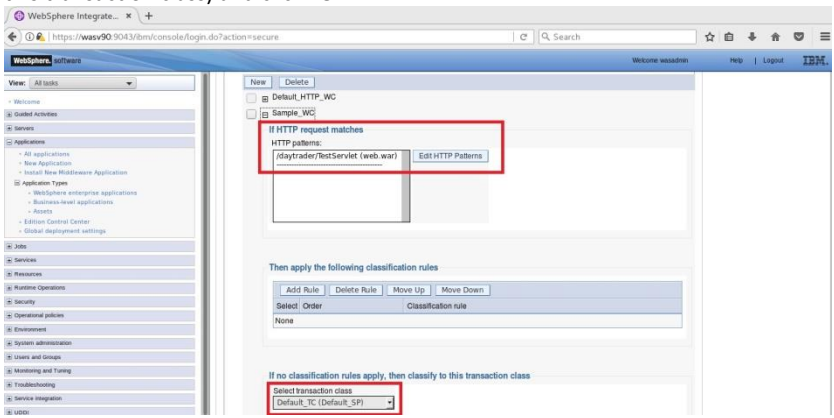


Step 6: Click “Finish”.

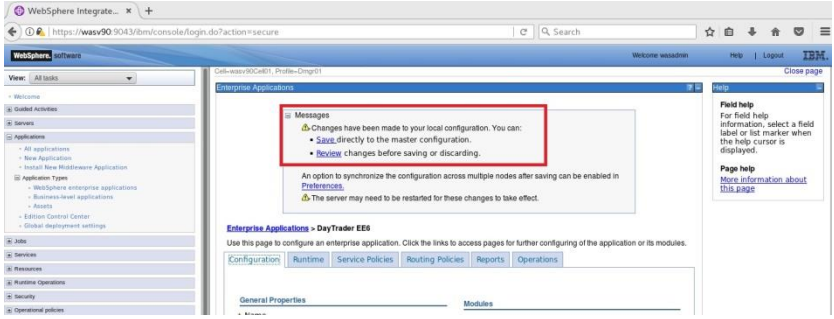


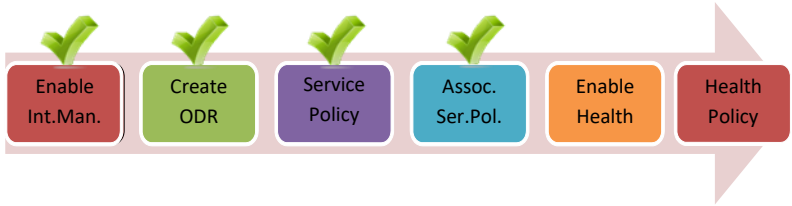


Step 7: Select “Default_TC_TOP_SP” (If no classification rules apply, then classify to this transaction class) and click “OK”.

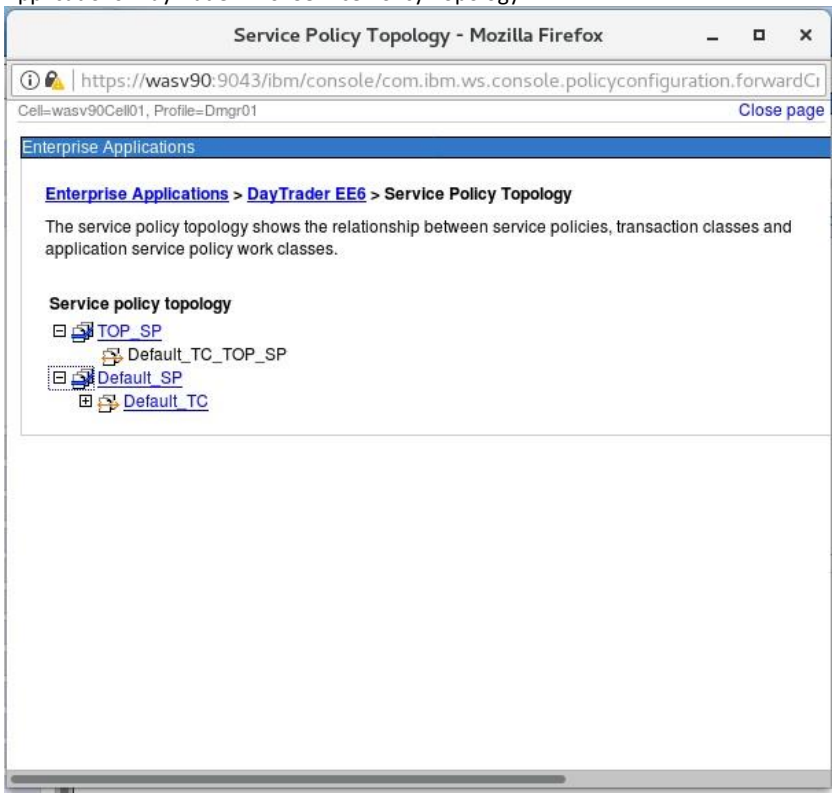


Step 8: Click “Save” to write changes to the master file.

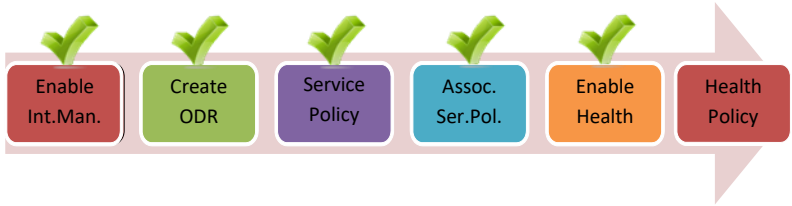




Step 9: You can view the service policy topology under "Enterprise Applications>DayTrader-EE6>Service Policy Topology".

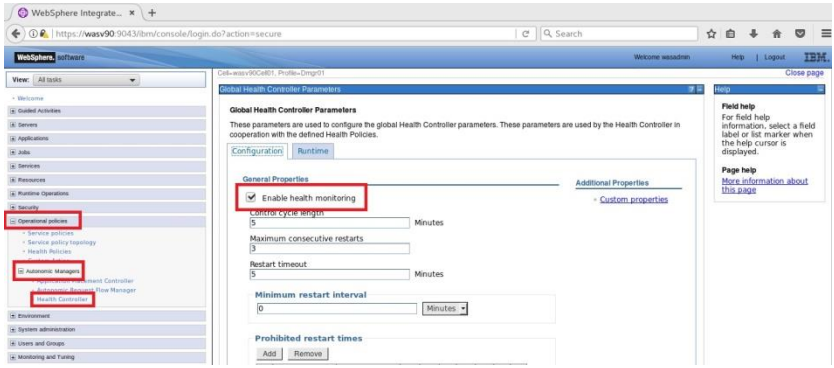


Task 4 is complete!

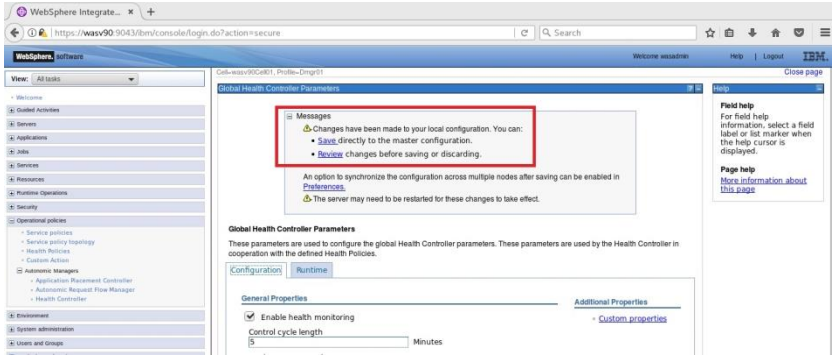


Task 5: Enable Health Management

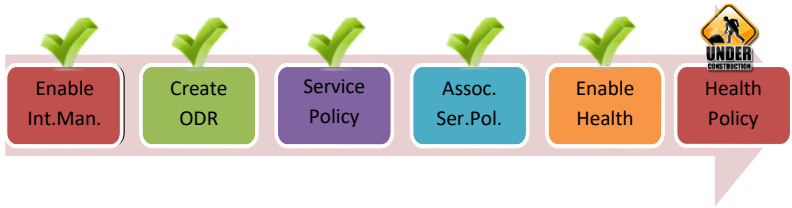
Step 1: Navigate to “Operational policies>Autonomic Managers>Health Controller” and select “Enable health monitoring” then click “OK”.



Step 2: Click “Save” to write changes to the master file.

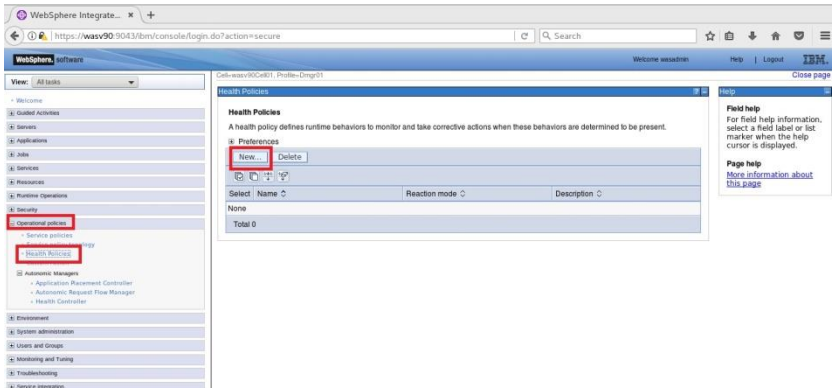


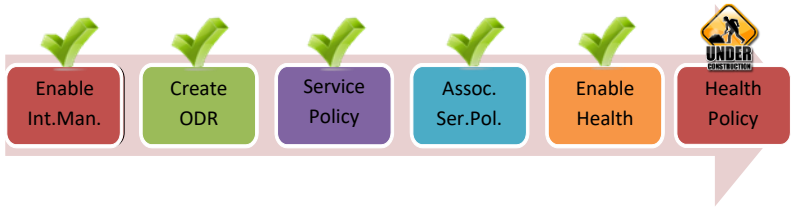
Task 5 is complete!



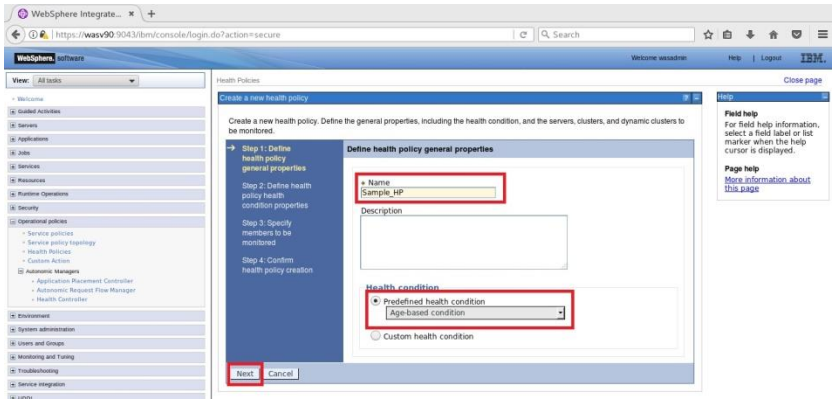
Task 6: Create a Health Policy

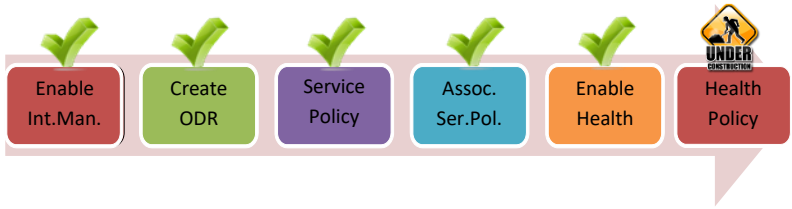
Step 1: Navigate to “Operational policies>Health Policies” and click “New”.



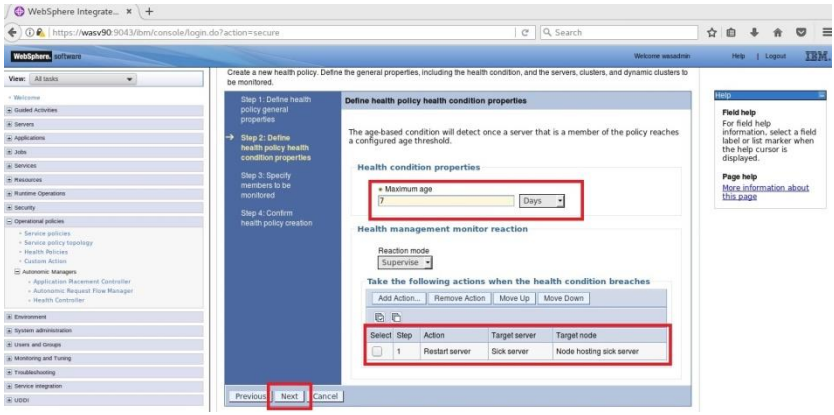


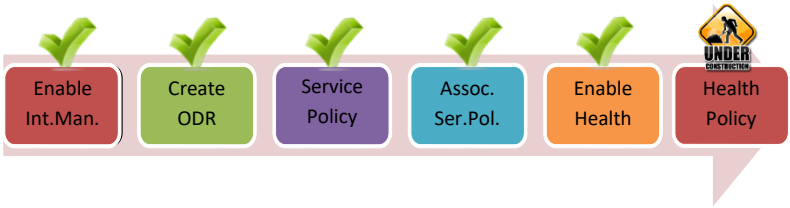
Step 2: Enter a name (Sample_HP) and select “Aged-based condition” under “Health condition>Predefined health condition”.



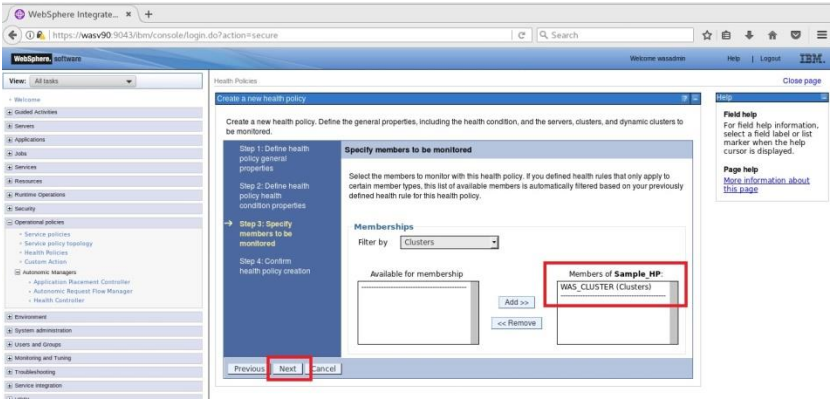


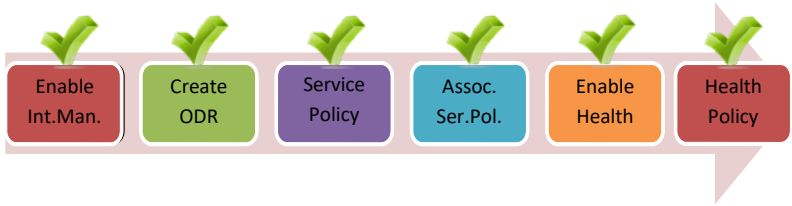
Step 3: Enter “7” for “Maximum age (days)” and select “Supervise” as “Reaction mode” then click “Next”.



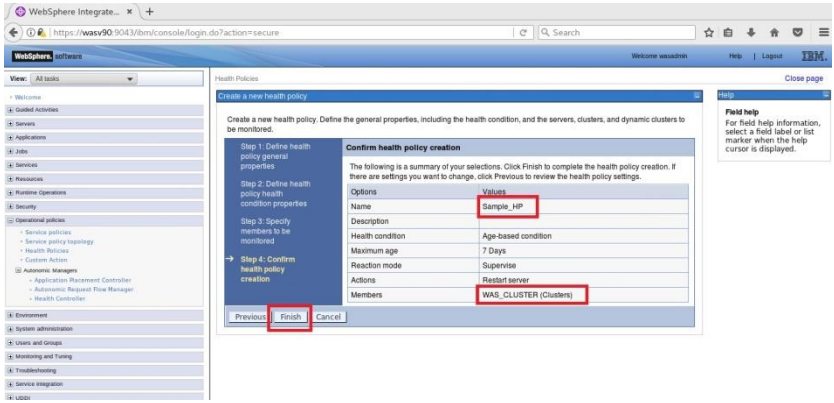


Step 4: Select “Clusters” from “Filter by” and add “WAS_Cluster” as a member to “Sample_HP”.

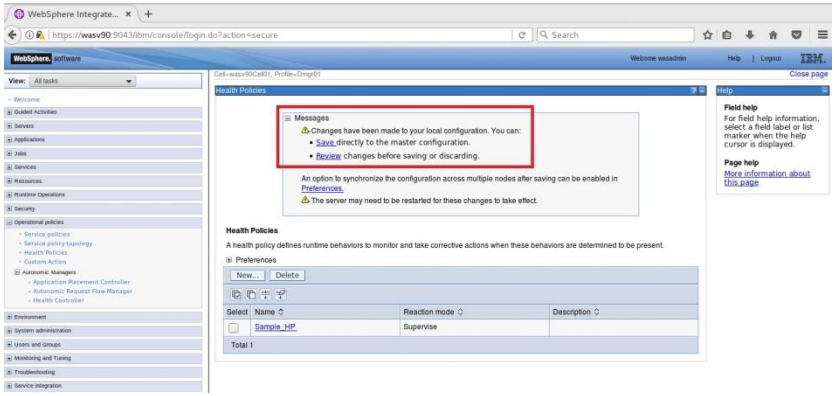




Step 5: Click “Finish” to complete”.



Step 6: Click “Save” to write changes directly to the master configuration file.



Task 6 is complete!

SUMMARY

Intelligent management is the integration of WebSphere Virtual Enterprise into WebSphere Application Server Network Deployment version 8.5 that provides capabilities autonomic components responding dynamically to the real time conditions of WebSphere environment. ODR is an intelligent proxy that performs request prioritization, flow control, and dynamic workload management. Service policies define the performance goals where health policies specify application server's status and actions where health management monitors and takes appropriate actions that are defined in health policies.

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