

This presentation will cover configuring health policies in WebSphere Extended Deployment V6.



The presentation will walk through the process of creating a health policy, and also discuss configuration options for the health controller.

IBM Software Group					
Creating A Hea	alth Policy				
Guided Activities	No.1th Delicies 7				
🗄 Servers		-			
Applications	Health Policies				
🗄 Resources	A health policy defines runtime behaviors to monitor and take corrective				
⊞ Runtime Operations	Preferences				
🗄 Security	New Delete	1			
Operational Policies					
= Service Policies = Heath Policies ⊞ Autonomic Managers	Select Name \$ Reaction mode \$ Description \$				
🗄 Environment	None				
System administration	lotal U				
Monitoring and Tuning					
Troubleshooting ■					
1 UDDI	Show Me				

Health policies can be created and modified in the Administrative Console under the 'operational policies' menu item. Use the 'New' button to configure a new health policy. To view an animated demonstration of health policy configuration, pause this presentation, and click the 'show me' icon.

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Creating A Health Policy: Step 1					
Create a new health polic	γ –				
Create a new health po the Application Servers	olicy. Define the general properties, including the health condition, and , , Clusters, and Dynamic Clusters to be monitored.				
Step 1: Define health policy general properties Step 2: Define health policy health condition properties Step 3: Specify members to be monitored Step 4: Confirm health policy creation Next Cancel	Define health policy general properties * Name Test_Condition Description Health condition Age-based condition Excessive request timeout condition Excessive request time condition Wemory condition: excessive memory usage Memory condition Workload condition				
	Health Monitoring © 2005 I	4 BM Corporation			

When creating a new health policy, you first choose a name and the type of condition for which you want to monitor. In this example, a memory leak condition will be configured. The available condition types are discussed in the presentation titled 'Health Monitoring Overview'.



This step shows the options that are available when configuring a memory leak condition. To more accurately detect a true leak, the system must wait for a longer memory growth pattern to develop. The three available detection levels give you the choice of balancing accuracy against detection speed. As a reaction to this condition, you have the option to trigger a Java[™] heap dump, restart the server, or both.

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Creatin	g A Health Policy: Step 3	
Create a new health po	olicy	Ξ
Create a new health Clusters to be moni	n policy. Define the general properties, including the health condition, and the Application Servers, Clusters, and tored.	1 Dynamic
Step 1: Define health policy	Specify members to be monitored	
general properties	N - N - N - N - N - N - N - N - N - N -	
Step 2: Define health policy health	Member type Dynamic Clusters	
condition properties	Available for Membership Members of Test_Condition	:
→ Step 3: Specify members to be monitored	StockTrade_DC AccountManagement_DC	ers) 🔺
Step 4:	∃	=
policy creation		~
Previous Ne:	xt Cancel	
	Health Monitoring	IBM Corporation

After defining the condition and the reaction, choose the members of your cell that should be monitored for this condition. The pop-up menu labeled 'Member type' populates the 'available for membership' list with all resources of the chosen type. You can then use the 'Add' and 'Remove' buttons to choose which members should be monitored.



Step four displays the options you have chosen for this health policy. Click finish to create the policy. Remember that you must Save your changes before this policy will take effect.

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Configuring the Health Controller	
Operational Policies > Autonomic Managers > Health Controller	
Global Health Controller Parameters ?	6
Global Health Controller Parameters These parameters are used to configure the global Health Controller parameters. These parameters are used by the Health Controller in cooperation with the defined Health Policies. Configuration Runtime	
General Properties	
S Minutes	
S Minutes Minimum Restart Interval O Minutes	
Prohibited Restart Times Add Remove Start End Sun Mon Tue Wed Thu Fri Sat 00	
Apply OK Reset Cancel	
Health Monitoring	8 © 2005 IBM Corporation

The health controller itself also has configurable properties, including how often it should run, and how many times in a row a server can be restarted. You can also define 'prohibited restart times', during which the health controller will not restart servers, even if they are in violation of a health policy. This can be useful for restricting restarts to non-peak times.



A health policy makes administering a group of servers easier by defining a health condition for which a group of servers should be monitored. A health policy can notify you or take an automatic corrective action when the condition is detected. Health policies can be easily created using a Wizard in the Administrative Console.

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