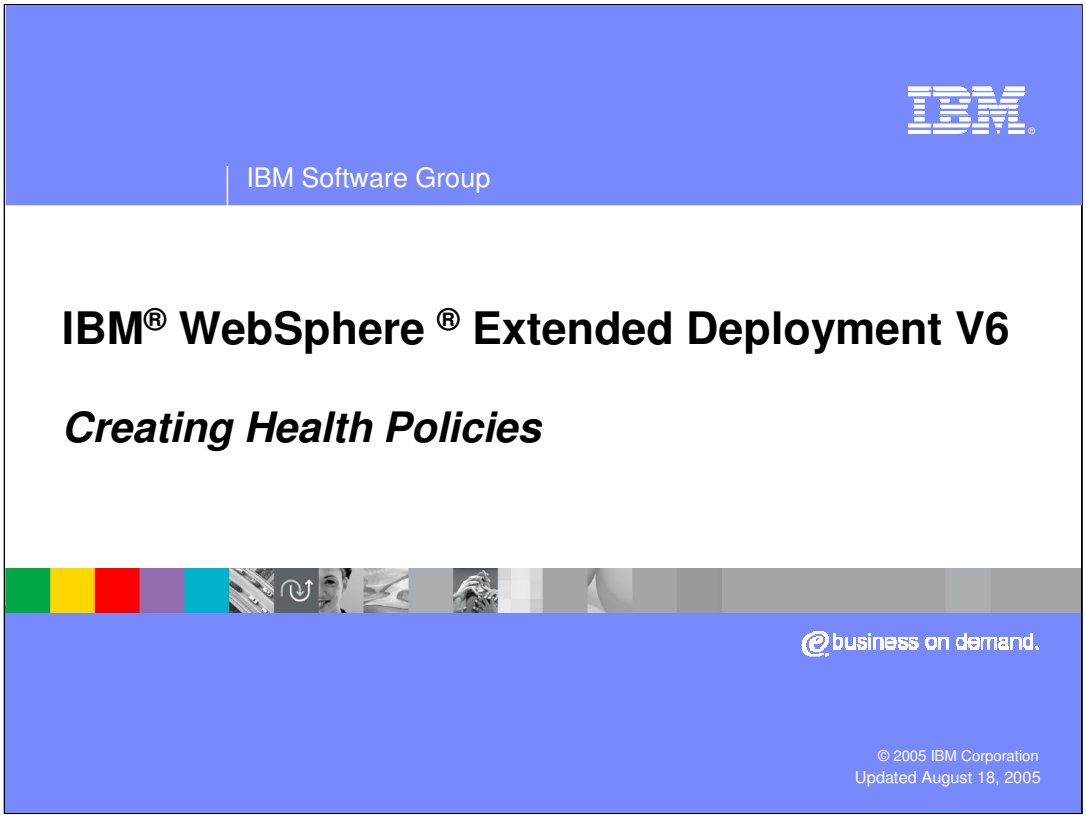
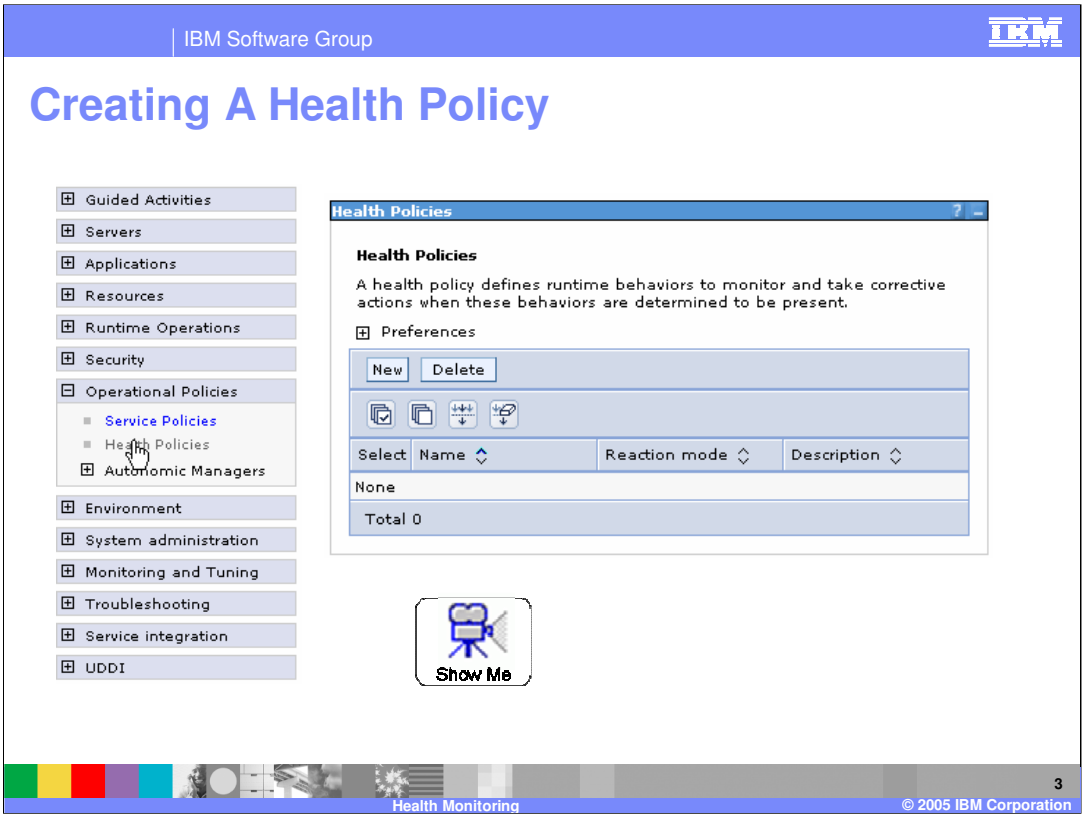


This presentation will cover configuring health policies in WebSphere Extended Deployment V6.

Agenda

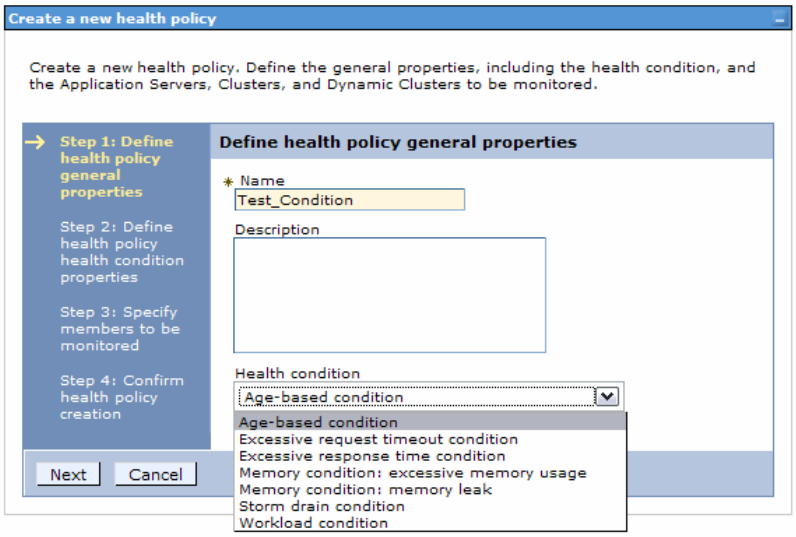
- Configuring health policies
- Configuring the health controller

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



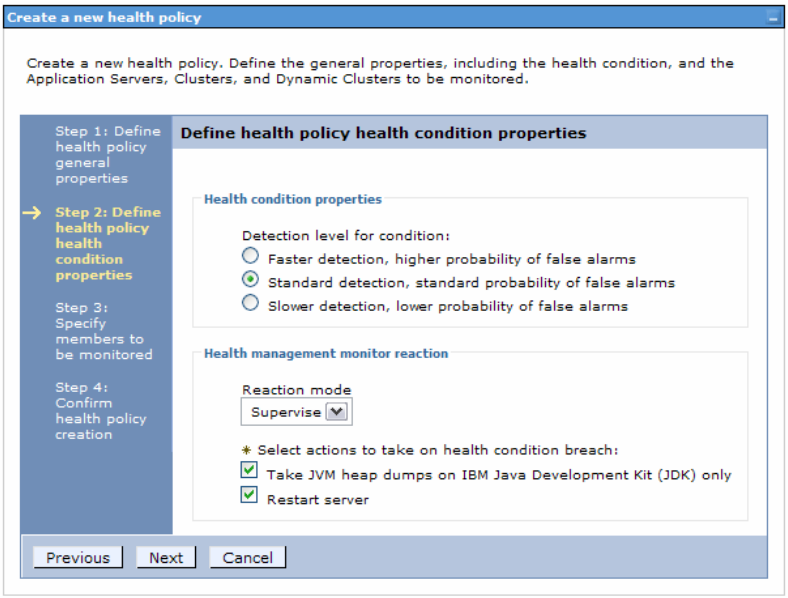
Health policies can be created and modified in the Administrative Console under the 'operational policies' menu item. Use the 'New' button to configure a new health policy. To view an animated demonstration of health policy configuration, pause this presentation, and click the 'show me' icon.

Creating A Health Policy: Step 1



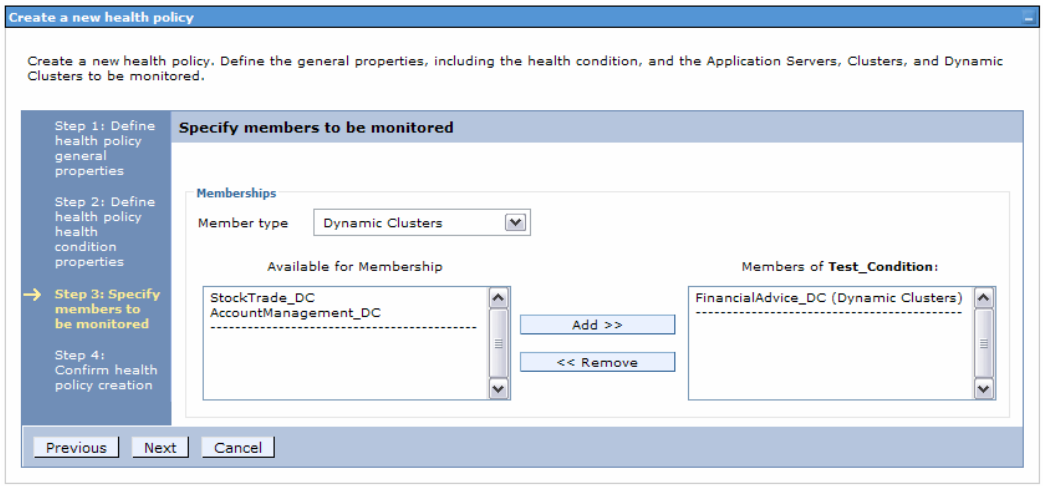
When creating a new health policy, you first choose a name and the type of condition for which you want to monitor. In this example, a memory leak condition will be configured. The available condition types are discussed in the presentation titled ‘Health Monitoring Overview’.

Creating A Health Policy: Step 2



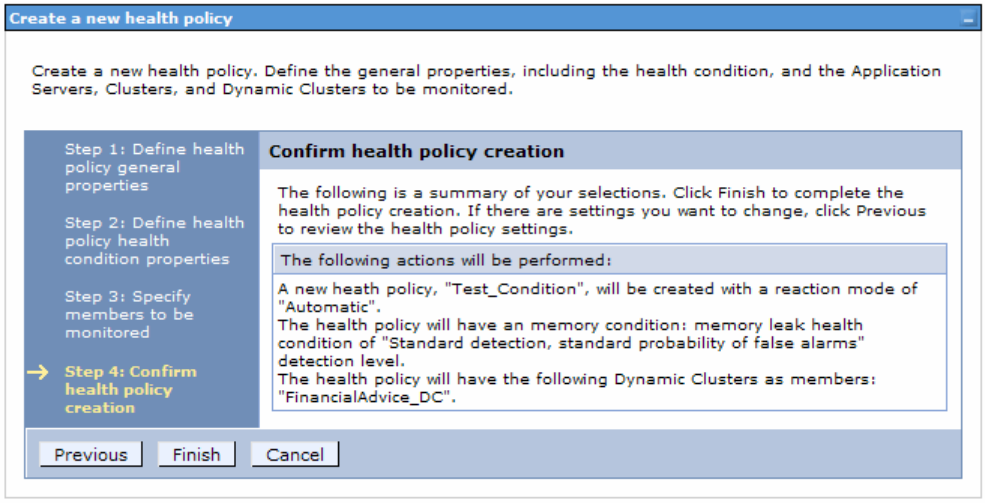
This step shows the options that are available when configuring a memory leak condition. To more accurately detect a true leak, the system must wait for a longer memory growth pattern to develop. The three available detection levels give you the choice of balancing accuracy against detection speed. As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

Creating A Health Policy: Step 3



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.

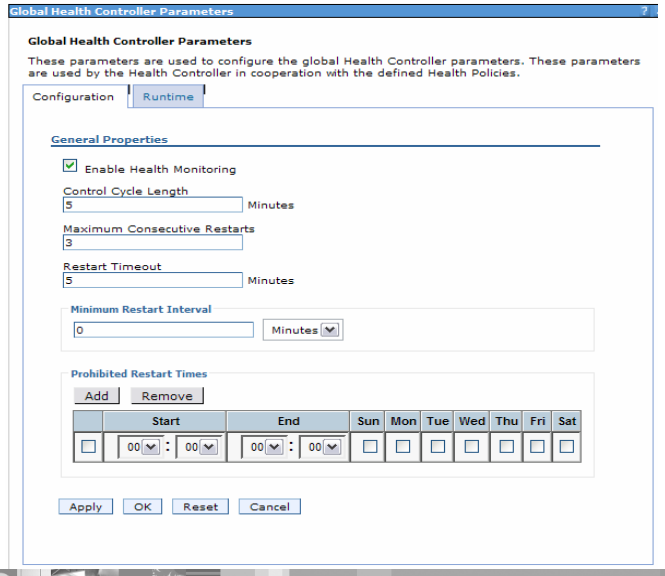
Creating A Health Policy: Step 4



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.

Configuring the Health Controller

Operational Policies > Autonomic Managers > Health Controller



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.

Summary

- A health policy define a group of servers, a health condition, and a reaction
  - The reaction will be triggered if a server reaches the defined condition
- Health policies are easily configured using a wizard in the Administrative Console

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.

Trademarks, Copyrights, and Disclaimers

The following terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

IBM	CICS	IMS	MQSeries	Tivoli
IBM(logo)	Cloudscape	Informix	OS/390	WebSphere
e(logo)business	DB2	iSeries	OS/400	xSeries
AIX	DB2 Universal Database	Lotus	pSeries	zSeries

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Intel, ActionMedia, LANDesk, MMX, Pentium and ProShare are trademarks of Intel Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Linux is a registered trademark of Linus Torvalds.

Other company, product and service names may be trademarks or service marks of others.

Product data has been reviewed for accuracy as of the date of initial publication. Product data is subject to change without notice. This document could include technical inaccuracies or typographical errors. IBM may make improvements and/or changes in the product(s) and/or program(s) described herein at any time without notice. Any statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only. References in this document to IBM products, programs, or services does not imply that IBM intends to make such products, programs or services available in all countries in which IBM operates or does business. Any reference to an IBM Program Product in this document is not intended to state or imply that only that program product may be used. Any functionally equivalent program, that does not infringe IBM's intellectual property rights, may be used instead.

Information is provided "AS IS" without warranty of any kind. THE INFORMATION PROVIDED IN THIS DOCUMENT IS DISTRIBUTED "AS IS" WITHOUT ANY WARRANTY, EITHER EXPRESS OR IMPLIED. IBM EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT. IBM shall have no responsibility to update this information. IBM products are warranted, if at all, according to the terms and conditions of the agreements (e.g., IBM Customer Agreement, Statement of Limited Warranty, International Program License Agreement, etc.) under which they are provided. Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products in connection with this publication and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. IBM makes no representations or warranties, express or implied, regarding non-IBM products and services.

The provision of the information contained herein is not intended to, and does not, grant any right or license under any IBM patents or copyrights. Inquiries regarding patent or copyright licenses should be made, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. The actual throughput or performance that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput or performance improvements equivalent to the ratios stated here.