IBM Software Group

IBM® WebSphere ® Extended Deployment V6

Task Management Features

This presentation will cover the task management features in WebSphere Extended Deployment V6.

Agenda

- Task management features
  - ▶ Runtime tasks console
  - ▶ E-mail notifications

This presentation will introduce you to the task management features of WebSphere XD, including the runtime tasks console and the e-mail notification service.
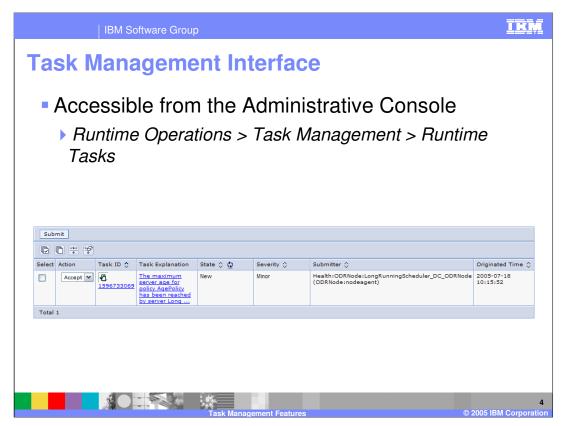
Task Management Overview

- Task management features give administrators control over the 'autonomic' features of WebSphere XD
  - ▶ Enabled by putting a resource into 'supervised' mode

- Components issue a notification, instead of taking action
  - ▶ Application Placement Controller
  - ▶ Health Controller

- Action is taken after administrator approves the action

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While WebSphere XD introduces many new autonomic capabilities, you might decide that you want more control over these features, or you might simply want to take some time to understand the decisions that might be made automatically before giving up control to the autonomic managers. Supervised mode gives you exactly this ability. Rather than automatically taking an action, such as starting a new instance of a dynamic cluster, WebSphere XD will generate a notification that will appear in the 'Task Management' view within the Administrative Console. From this view you can approve or decline recommended actions before they take place, rather than having them performed automatically.

A sample task is shown here in the task management view. You can see the action suggested by an autonomic controller, in this case the health monitor, and the time at which the notification was generated. You can then accept or reject the action, which in this example is restarting a server that has reached its maximum age, as defined in a health policy. The task management interface also keeps tasks current, so that an action that is no longer relevant will not be displayed if you access the Administrative Console long after the event was generated.

E-mail Notifications

- Event notifications can be sent via e-mail
    - ▶ Configured under _Runtime Operations > Task Management > Notifications_
    - ▶ Can be sent to one or more e-mail addresses
    - ▶ Frees administrator from constantly monitoring the Administrative Console

- SMTP information (host, port) is required
    - ▶ SMTP authentication is also supported

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To free you from having to constantly monitor the Administrative Console for events, e-mail notification can be configured. Notifications with descriptions of the task will be sent to a provided list of e-mail addresses whenever they are generated. You must supply a valid SMTP server through which to send the mail.

Summary

- Task management features give you more control over autonomic capabilities
  - ▶ Tasks in 'supervised mode' require administrator approval
  - ▶ Task notifications can be sent via e-mail

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In summary, the task management features in WebSphere XD give you the ability to approve or decline actions that would ordinarily take place automatically, using what is known as 'supervised mode'. Notifications of these tasks appear in the Administrative Console and can also be sent via e-mail.

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