



IBM Software Group

# IBM® WebSphere® Extended Deployment V6.1

## *WebSphere Virtual Enterprise*

*Formerly Operations Optimization*

### *Task management features*



@business on demand.

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This presentation will cover task management features in WebSphere Extended Deployment V6.1.

This module was originally recorded for WebSphere Extended Deployment Operations Optimization, which is now called WebSphere Virtual Enterprise. Though the module uses the previous names, the technical material covered is still accurate.

## Agenda

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



This presentation will introduce you to the task management features of WebSphere Extended Deployment V6.1, 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 Extended Deployment
  - ▶ Enabled by setting 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



WebSphere Extended Deployment introduces many new autonomic capabilities. You can decide to assert control over these features or you might want to take some time to understand the decisions that can be made automatically before giving up control to the autonomic managers. Placing a dynamic cluster into Supervised mode grants you this ability. Rather than automatically taking an action, such as starting a new instance of a dynamic cluster, WebSphere Extended Deployment 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.

## Task management interface

- Accessible from the administrative console
  - *Runtime Operations > Task Management > Runtime Tasks*

Select	Action	Task ID	Task Explanation	State	Severity	Submitter	Originated Time
<input type="checkbox"/>	Accept	1596733069	The maximum server age for policy AgePolicy has been reached by server Long...	New	Minor	Health:ODRNode:LongRunningScheduler_DC_ODRNode (ODRNode:nodeagent)	2005-07-18 10:15:52
Total 1							



A sample task is shown here in the task management panel of the administrative console. You can see the flagged condition or activity that occurred and the time at which the notification was generated. In this example, the health monitor detected a server that has reached its maximum age, as defined in a health policy. You can then accept or reject the action plan suggested by an autonomic controller, which in this case is to restart the corresponding server.

The task management interface will list only current tasks, so that an action which 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 by 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



You can configure WebSphere Extended Deployment to provide e-mail notifications when events occur. This can free you from constantly having to monitor the administrative console for events. Notifications with a description of the flagged task will be sent to a list of e-mail addresses whenever a new task is 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 by e-mail



In summary, the task management features in WebSphere Extended Deployment gives you the ability to approve or decline actions that would ordinarily take place automatically by enabling 'supervised mode'. Notifications of these tasks appear in the Administrative Console and can also be sent by e-mail.

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