

# Tivoli Security Operations Manager 4.1.1

## Report console configuration



In this training module, you use the report console of Tivoli® Security Operations Manager 4.1.1 to define parameters of reports.

## Overview

In this module, you will learn how to:

- Configure the service parameters controlling JReport
- Set the log, email, cache, LDAP, and fax settings
- Work with the Advanced settings

You can use the configuration area of the administration console in Tivoli Security Operations Manager to set parameters. These parameters include email or fax settings, LDAP authentication, and cache settings. You can use these parameters to generate reports.

## Service settings

- Open a browser and type **http://<IP address of the CMS>:8080/TSOM-Reports/admin**
- Click the **Service** tab

The screenshot shows the Tivoli Security Operations Manager administration console. The top navigation bar includes 'Report Sets', 'Configuration', 'Security', 'Preferences', 'Triggers', 'Data', and 'Logout'. The 'Configuration' section is expanded to show 'Service', 'Log', 'E-mail', 'Cache', 'Performance', 'Advanced', and 'LDAP'. The 'Service' tab is active, displaying the following configuration fields:

- Port: 8888
- Maximum Number of Handlers: 50
- Maximum Number of Connections: 1000
- Connection Time Out In: 500 Milliseconds
- Servlet Properties File Name: /opt/ibm/tsom/reports/bin/servlet.j
- Active Realm: defaultRealm
- Provide Service On:  All Network Addresses,  Network Address At:
- Active Host Address: denmarktv2.in.ibm.com/9.182.194.117

A 'Save' button is located at the bottom of the configuration area.

Log in to the **Configuration** area of the administration console and click the **Service** tab. On this tab, you can configure parameters that control how JReport connects to the server. You can set the parameters for a port number, maximum number of handlers, maximum number of connections, connection timeout, and other parameters. Connection timeout refers to an Internet timeout, not the timeout of the report GUI. Changing service parameters is not recommended. If you must change parameters, you should change them under exclusive recommendation from the IBM Tivoli support team.

## Log settings

The screenshot shows the 'Log' configuration page in the Tivoli Security Operations Manager. The interface includes a top navigation bar with 'Report Sets', 'Configuration', 'Security', 'Preferences', 'Triggers', 'Data', and 'Logout'. Below this is a sub-navigation bar with 'User Directory', 'Service', 'Log', 'E-mail', 'Cache', 'Performance', 'Advanced', 'LDAP', 'Fax', and 'Connection'. The main content area is titled 'Log' and contains the following settings:

- Log Type: Error
- Descriptions: Log internal server errors
- Trace Level: OFF
- Error Level: FATAL
- Additivity: True
- Log Destination:
  - File
  - RollingFile
    - Threshold: ALL
    - Layout Type: Pattern
    - Pattern Conversion: %m [%a] [%p] [%d]
    - File Name: %Report\_RF.log
    - Append: False
    - Buffered IO: False
    - Maximum File Size: 5120000
    - Maximum Backup Index: 100
  - DailyRollingFile

At the bottom of the configuration area, there is a copyright notice: '© Copyright 1998-2006 Jinfonet Software, Inc. All rights reserved.' and a 'Done' button. The footer of the page shows '4 Report console configuration © 2010 IBM Corporation'.

On the **Log** tab, you can set long-term values for logs. These values can be for log type, event, error, debug information, and more. You can set traces at multiple levels, including **OFF**, as well as error levels. You can also set login to test for reports here.

## Email settings

The screenshot displays the Tivoli Security Operations Manager configuration interface. At the top, the header shows 'Tivoli Security Operations Manager' with the user 'User admin' and the date 'Date : 2010/03/11 15:58:54'. Below the header is a navigation menu with options: Report Sets, Configuration (selected), Security, Preferences, Triggers, Data, and Logout. A secondary menu includes User Directory (with a close icon), Service, Log, E-mail (selected), Cache, Performance, Advanced, LDAP, Fax, and Connection. On the left side, there are links for 'My Reports' and 'Public Reports'. The main content area is titled 'E-mail' and contains the following configuration fields:

- SMTP Server: [Text input field]
- Server Requires Authentication
- SMTP Server Port: [Text input field with value '25']
- E-mail Address: [Text input field]
- Default E-mail Format: [Dropdown menu with 'Attachment in PDF Format' selected]
- Compress Attachement as Java Archive
- Maximum Mail Size: [Text input field with value '-1'] Kilo Bytes

A 'Save' button is located at the bottom of the configuration area.

You can set email report parameters for users. If you want to schedule reports to be sent to an email address, you must have an SMTP server in your environment. On the **E-mail** tab, you can provide SMTP server details, such as host name, IP address, and email address of the sender. You can set the default format in which the report would be sent by mail. You can also control maximum email size, in kilobytes.

## Cache settings

**Tivoli Security Operations Manager** User admin Date : 2010/03/12 15:18:38

Report Sets **Configuration** Security Preferences Triggers Data Logout

User Directory X Service Log Email **Cache** Performance Advanced LDAP Fax Connection

My Reports  
Public Reports

**Report Cache** Security Cache

Cache Loaded Catalogs

Maximum Number of Catalogs to be Cached: 10

Cached Catalogs:

- /opt/ibm/tsom/reports/history/1/Report\_System\_User867347501/EventActivity.cat
- /opt/ibm/tsom/reports/history/1/Report\_System\_User867321717/AggregatedEvent.cat
- /opt/ibm/tsom/reports/history/1/Report\_System\_User867402425/PCT\_Reports.cat

Add Remove

Cache Loaded Report Sets

Maximum Number of Report Sets to be Cached: 10

Cached Report Sets

- /opt/ibm/tsom/reports/history/1/Report\_System\_User867347228/Event Count By Protocol.ds(Non
- /opt/ibm/tsom/reports/history/1/Report\_System\_User867348227/Destination Country By Event Ds
- /opt/ibm/tsom/reports/history/1/Report\_System\_User867347984/Events By Event Class.ds(Non
- /opt/ibm/tsom/reports/history/1/Report\_System\_User867314892/Aggregated Event Frequency By
- /opt/ibm/tsom/reports/history/1/Report\_System\_User867403798/PCT\_IDS Overview Origin.ds(Non

Add Remove

Save

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Done

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On the **Cache** tab, you can define how many catalogs or reports you want to place in cache. You should keep these settings at their default value of 10 and change them only at the direction of the IBM Tivoli support team. You can use the **Add** or **Remove** options to add or remove report catalogs from the cache.

## Advanced settings

The screenshot displays the 'Advanced' configuration tab in the Tivoli Security Operations Manager. The interface includes a navigation menu with options like 'Report Sets', 'Configuration', 'Security', 'Preferences', 'Triggers', 'Data', and 'Logout'. The 'Advanced' tab is selected, showing a list of settings:

- No Security Check
- Enable "Publish to Versioning System" for On-demand View
- Keep Connection Alive
- Enable Multiple Users to Login Using the Same User Name
- Enable Resources from Real Paths
- Enable Task Duration
- Role Based Authorization

Below these are 'Permission Setting UI Displays' with checkboxes for 'User', 'Role', and 'Group', all of which are checked. A 'Permission Algorithm' dropdown is set to 'The Permission Accumulation Algorithm'. Other settings include:

- User Session Timeout: 180 Minutes
- View Report Set Timeout: 190 Seconds
- Task Duration Checking Period: 30 Seconds
- Administration Port: 8889
- Report Set Result Life: 86400 Seconds
- Engine Priority: Normal Priority

One of the more important settings on the Advanced tab is the **Enable Multiple Users to Log in Using the Same User Name** option. If the check box for this option is cleared, the current user is logged out when another user logs in with the same name.

The **User Session Timeout** parameter defines the time, in minutes, after which a user will be logged off if no action has been performed. The default value of the parameter is 180 minutes.

The **View Report Set Timeout** parameter is also important. The Tivoli Security Operations Manager Report console might show a timeout error during the execution of a report that takes a long time to execute. You can increase the value of this parameter to resolve the error. The default value of the parameter is 190 seconds.

The **Task Duration Checking Period** option defines the time in seconds after which the JReports are checked. The default value is 30 seconds.

## LDAP settings

The screenshot shows the Tivoli Security Operations Manager interface. At the top, it displays 'Tivoli Security Operations Manager', 'User admin', and 'Date: 2010/03/12 15:18:38'. Below this is a navigation bar with 'Report Sets', 'Configuration', 'Security', 'Preferences', 'Triggers', 'Data', and 'Logout'. The 'Configuration' section is expanded to show 'User Directory', 'Service', 'Log', 'Email', 'Cache', 'Performance', 'Advanced', 'LDAP', 'Fax', and 'Connection'. The 'LDAP' tab is selected, showing sub-tabs for 'Server', 'Import', 'Synchronize', and 'Role Map'. The 'Server' sub-tab is active, displaying various configuration fields: 'Select LDAP Server' (Current Settings), 'Load Settings' button, checkboxes for 'Enable LDAP Support', 'Enable Direct Authentication to LDAP Server', and 'Enable Auto-Import of Users from LDAP Server', 'LDAP URL' (9.182.194.85), 'Server Port' (1389), 'Root Entry' (o=ibm,c=us), 'Directory Manager DN: DN' (cn=root), 'Password' field with a 'Remember Password' checkbox, 'Encryption Type' (None), 'Import LDAP Groups' (Group), and a 'Test Connection' button. Below these is the 'User Schema' section with 'User Attribute Name' and 'User Common Name' fields. At the bottom, there is a copyright notice: '© Copyright 1998-2006 Infonet Software, Inc. All rights reserved.' and a 'Done' button. The footer of the page includes the number '8', the text 'Report console configuration', and '© 2010 IBM Corporation'.

On the **LDAP** tab, you can change the LDAP settings. If you configure the Central Management Server (CMS) for remote authentication, the same setting is used for LDAP authentication for reports. If you do not have remote authentication for the CMS, and you want remote authentication for reports only, you can provide LDAP server details in this section.



## Fax settings

The screenshot shows the 'Fax' configuration tab in the Tivoli Security Operations Manager. The interface includes a top navigation bar with 'Report Sets', 'Configuration', 'Security', 'Preferences', 'Triggers', 'Data', and 'Logout'. Below this is a sub-navigation bar with 'User Directory', 'Service', 'Log', 'E-mail', 'Cache', 'Performance', 'Advanced', 'LDAP', 'Fax', and 'Connection'. The 'Fax' tab is active, displaying the following settings:

- Dialing: Tone
- Modem Class: Class 1
- Init String: (empty text box)
- Timeout: 0 Seconds
- Maximum Retries: 0
- Flow Control: RtsCts
- Flow Control Command: AT+FO=2
- Port: (empty text box)

A 'Save:' button is located below the settings. A note at the bottom of the configuration area states: 'Changes to these settings will not take effect until the server is restarted.'

At the bottom of the window, there is a copyright notice: '© Copyright 1998-2006 Jinfonet Software, Inc. All rights reserved.' and a 'Done' button. The footer of the slide contains the page number '9', the text 'Report console configuration', and the copyright '© 2010 IBM Corporation'.

If you want to fax scheduled reports, you must provide fax information on the **Fax** tab. Changes to any settings do not take effect until the server is restarted. If you make any changes to JReports settings, be sure to restart the server.

## Summary

In this module you learned how to:

- Configure the service parameters controlling JReport
- Set the log, email, cache, LDAP, and fax settings
- Work with the Advanced settings

In this module, you learned how to configure service parameters controlling JReport. You also learned how to set the log, email, cache, LDAP, and fax settings, and how to work with the Advanced settings.



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