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# **SAS® IT Resource Management 3.4 Report Center Guide**

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**SAS® IT Resource Management 3.4: Report Center Guide**

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# About This Book

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## Audience

SAS IT Resource Management Report Center (hereafter called ITRM Report Center) provides information about the performance and capacity of IT infrastructures. This information addresses the needs of particular groups of people based on their roles and the tasks that they perform in an enterprise.

*SAS IT Resource Management 3.4: Report Center Guide* is designed for the following users:

- Members of the IT Resource Management Users group are the information consumers who are responsible for analyzing IT performance and capacity data and making decisions based on that data. These users are business people who are interested in the overall performance aspects of IT at a company. They often function as system architects, IT managers, line of business IT administrators, and IT executives. Information consumers use the reports that are generated by SAS IT Resource Management and often access them from the office as well as from remote locations.

Information consumers typically use the documentation that is found in *SAS IT Resource Management 3.4: Overview* and in this document, *SAS IT Resource Management: Report Center Guide*.

- Members of the IT Resource Management Administrators group are IT performance analysts who are responsible for analyzing IT performance data, designing and creating reports that communicate IT intelligence, and making those reports available in ITRM Report Center to information consumers. These users analyze this data in order to best benefit the business and to improve the utilization, availability, and performance of IT resources and the IT enterprise. Performance analysts often function as capacity planners, system administrators, and business analysts.

Performance analysts typically use the documentation that is found in *SAS IT Resource Management 3.4: Reporting Guide*, although they might refer to all SAS IT Resource Management documentation.

- Data administrators are responsible for administering the IT Resource Management data marts and setting up the jobs that stage and aggregate IT performance data so that report-ready data is available for generating reports. Data administrators typically deploy and schedule the batch production jobs that prepare and generate the IT performance reports. They often function as IT performance managers and capacity planners.

Data administrators typically use the documentation that is found in the *SAS IT Resource Management 3.4: Administrator's Guide*, although they usually refer to all SAS IT Resource Management documentation.

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## Prerequisites

Prerequisites for using SAS IT Resource Management are

- An operating environment that includes SAS IT Resource Management software.
- A user ID and password with permissions that are appropriate for that user's use of ITRM Report Center functions.
- A web browser that is supported by ITRM Report Center and, depending on the browser, extensions or plug-ins to enable ActiveX content to be viewed.

# Accessibility

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## Accessibility Notice

For information about the accessibility of this product, see [Accessibility Features of SAS IT Resource Management 3.4: Report Center at support.sas.com](#).



# Recommended Reading

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- *SAS IT Resource Management: Overview*
- *SAS IT Resource Management: Reporting Guide*

For a complete list of SAS books, go to [support.sas.com/bookstore](http://support.sas.com/bookstore). If you have questions about which titles you need, please contact a SAS Book Sales Representative:

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## Chapter 1

# About ITRM Report Center

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## Overview of ITRM Report Center

ITRM Report Center is a web application that enables users to view, organize, filter, and share SAS IT Resource Management performance and exception reports. From the workspace bar, you can access the **Home**, **Gallery**, **Resource**, and **Administration** workspaces.

- The **Home** workspace enables you to access your personal watch lists, alerts, and recent work. This workspace is accessible to all users. For more information, see “[Overview of the Home Workspace](#)” on page 15.
- The **Gallery** workspace enables you to access folders, galleries, and albums that are used to organize and share SAS IT Resource Management reports. This workspace is accessible by all users. For more information, see “[Overview of the Gallery Workspace](#)” on page 19.
- The **Resource** workspace enables you to view SAS IT Resource Management reports from a hierarchical perspective for each resource in ITRM Report Center. This workspace is accessible only by users who are members of groups that are members in the IT Resource Management: User role or the IT Resource

Management Administrators group. For more information, see “[Overview of the Resource Workspace](#)” on page 49.

- The **Administration** workspace is where some ITRM Report Center administrative tasks are performed. These tasks include creating SAS Content Server locations and assigning access to those locations to ITRM Report Center User groups, purging reports, and refreshing the ITRM Report Center cache. This workspace is accessible by users who are members of the IT Resource Management Administrators group. For more information, see “[Overview of the Administration Workspace](#)” on page 57.

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## Benefits of Using ITRM Report Center

ITRM Report Center enables users to organize and view the reports that are created using SAS IT Resource Management. With ITRM Report Center, users can access three workspaces: **Home**, **Gallery**, and **Resource**. Administrators can access an additional **Administration** workspace.

You can use ITRM Report Center to perform the following tasks:

- Create, copy, edit, delete, and share folders to group and categorize galleries, albums, and subfolders.
- Create, copy, edit, and delete galleries to group and categorize performance and exception reports.
- Create, copy, edit, and delete albums to quickly access IT Resource Management reports that are of specific interest.
- View IT performance management and exception reports that are generated using SAS IT Resource Management.
- Filter galleries to work with smaller or logical subsets of reports.
- Interact with ActiveX or Java reports to view data tips or drill down for more report detail.
- Work with reports hierarchically in the **Resource** workspace.
- On the **Home** workspace, subscribe to and view alerts that result from the detection of exceptions.
- Establish watch lists that can be viewed from the **Home** workspace.
- E-mail or share reports with other users.
- Manage access to reports stored in the SAS Content Server.

*Note:* For more detailed descriptions of the tasks that can be performed in each workspace of ITRM Report Center, see these topics:

- [Overview of the Home Workspace](#) on page 15.
- [Overview of the Gallery Workspace](#) on page 19.
- [Overview of the Resource Workspace](#) on page 49.
- [Overview of the Administration Workspace](#) on page 57.

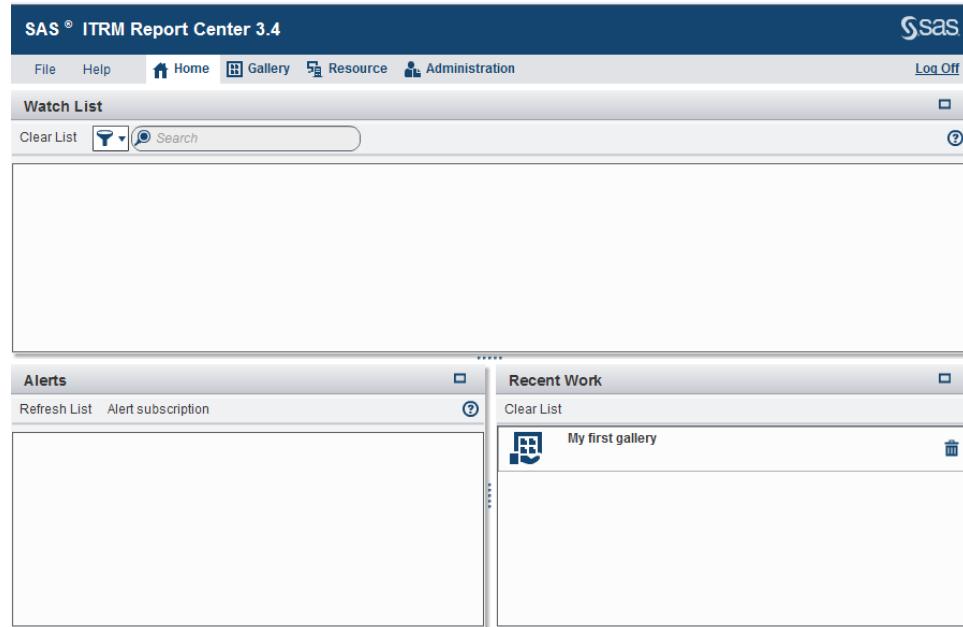
Access to ITRM Report Center workspaces and the features that are available in those workspaces is granted to users based on the SAS roles and groups that are assigned to

users of this web application. For more information about SAS roles, groups, and capabilities, see “[ITRM Report Center Users and Groups](#)” on page 7.

## Introduction to ITRM Report Center Workspaces

When you log on to ITRM Report Center, the workspace bar and **Home** workspace appear.

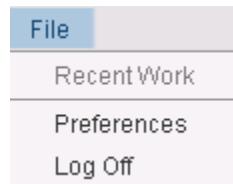
**Display 1.1** Main Window of ITRM Report Center



Also available on the workspace bar of all ITRM Report Center workspaces are the **File** and **Help** menus, and the **Log Off** button.

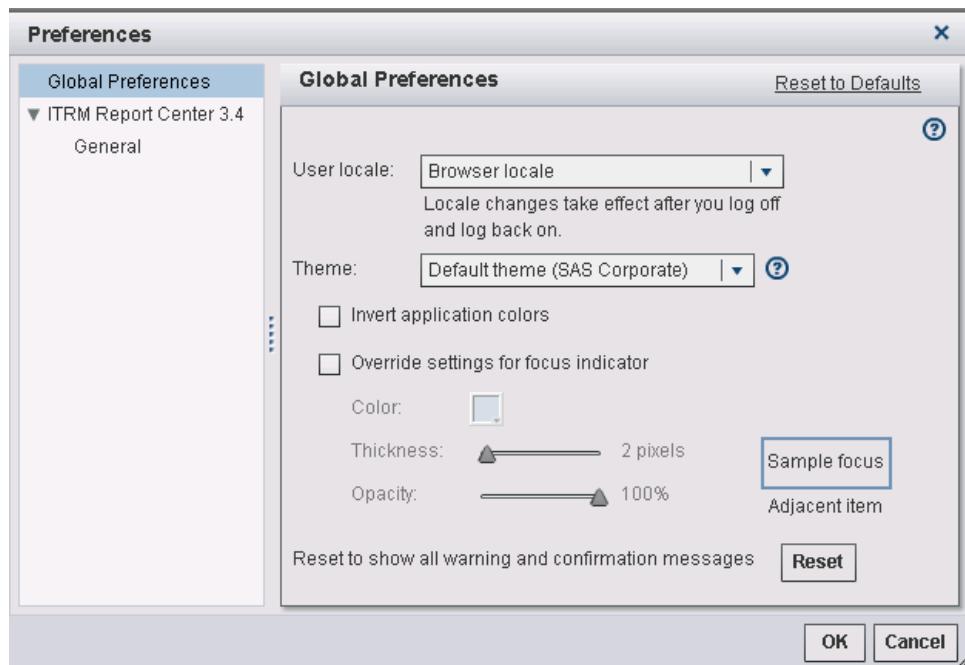
- The **File** menu enables you to perform general tasks. This menu is accessible by all users.

**Display 1.2** File Menu



As shown here, you can perform these actions:

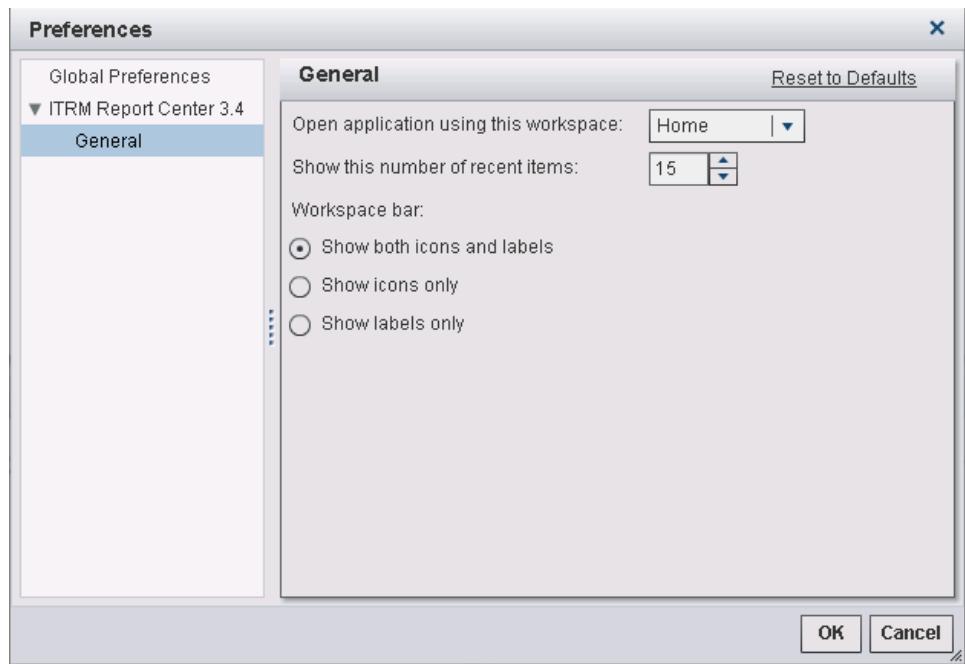
- Access your recent work.
- View and modify your global preferences and the general preferences for ITRM Report Center.

**Display 1.3 Global Preferences**

*Note:* For information about working with the options on the Preferences dialog box, click this Help icon:



- View and modify your ITRM Report Center general preferences.

**Display 1.4 ITRM Report Center General Preferences**

On the ITRM Report Center General Preferences window, you can perform the following actions:

- Use the drop-down list to specify the workspace that you want to open when you log on. (The workspaces that are available vary based on your role. For

example, if you signed on as an IT Resource Management: User, you can select one of these workspaces: **Home**, **Gallery**, or **Resource**.)

- Use the spinner to change the number of items that you want to display in the **Recent Work** section of the **Home** workspace.
- Click the appropriate option to specify whether you want the workspace bar to show icons only, labels only, or both icons and labels.
- Log off from the application.
- The **Help** menu provides access to documentation that is available from the SAS web. This menu includes information about customer support, training, the SAS home page, links to documentation that is specific to ITRM Report Center, and SAS IT Resource Management Report Center configuration details. The configuration details are available from **About SAS IT Resource Management Report Center 3.4**.



*Note:* All workspaces also show a status bar at the bottom of the workspace. The status bar shows notification messages. The messages can include information about the status of job execution, cache refreshment, report purges, or user group location changes.

The **Log Off** button immediately disconnects you from the ITRM Report Center application.

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## How to Get Help and Documentation for ITRM Report Center

ITRM Report Center provides the following two types of documentation:

### Embedded Help

Help pop-ups and tooltips provide brief descriptions of various tasks and fields to help you use ITRM Report Center effectively.

To access a Help pop-up for more information about a current topic, click the Help icon (  ) when it appears next to a field or area in the user interface (UI). You can also place the mouse pointer over an element in the UI to view the associated tooltip for more information.

### *SAS IT Resource Management 3.4: Report Center Guide*

This document provides detailed information about the concepts and tasks that are related to using ITRM Report Center. To access this document, click **Help**  $\Rightarrow$  **User's Guide** in the application.

Additional documentation and references are also available from the **Help** menu in ITRM Report Center. To access these resources, click **Help** in ITRM Report Center application and select from the following menu options:

- **SAS on the Web** includes the following options:

- **SAS IT Resource Management Report Center 3.4** opens the SAS IT Resource Management documentation page on the web. This page provides access to all the documentation (PDF and HTML) for this SAS IT Resource Management solution.
- **SAS Customer Support** opens the SAS Customer Support page. This page provides access to the Knowledge Base, Support, Training and Bookstore, and more.
- **SAS Training** opens the Training and Bookstore page.
- **SAS Home Page** opens the SAS home page at <http://www.sas.com>.
- **About SAS IT Resource Management Report Center 3.4** provides more information about the version of the application and related details.

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## Accessing ITRM Report Center

### Logging On as a Registered User

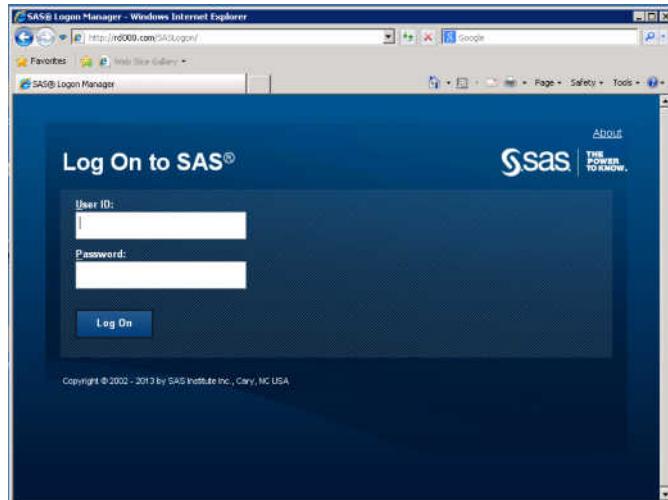
Starting with SAS IT Resource Management 3.4, access to some ITRM Report Center workspaces and functions is controlled by SAS metadata-based application roles. Permission to access SAS Content Server locations where IT Resource Management reports are available is controlled by SAS metadata-based application groups. Membership in roles and groups is established and maintained by your SAS administrator using SAS Management Console. For more information about groups and roles, see *SAS Management Console: Guide to Users and Permissions*.

To log on to ITRM Report Center, perform the following steps:

1. In the address bar of your web browser, enter the URL for ITRM Report Center. For example, to access your ITRM Report Center, your URL might be `http://<Middle-Tier-Server-Name>/ITRMReportCenter` or `http://<Middle-Tier:Port#>/ITRMReportCenter`.

Then press Enter. The logon window for ITRM Report Center appears.

*Note:* Contact your ITRM Report Center administrator if you do not have the URL for ITRM Report Center.

**Display 1.5** ITRM Report Center Logon Window

2. Enter a valid user ID and password. Your user ID and password are case-sensitive.
3. Click **Log On**. The ITRM Report Center interface appears.

### **Running ITRM Report Center on the Secure Sockets Layer Protocol**

ITRM Report Center can be run on the Secure Sockets Layer (that is, the HTTPS protocol). The *Secure Sockets Layer (SSL)* is the standard security technology for creating an encrypted link between a web server and a browser. This link ensures that all data passed between the web server and browser remains private and secure. To generate an encrypted link, a web server requires an SSL Certificate. For more information, see *Encryption in SAS 9.4*, which is located here: [Encryption in SAS \(R\) 9.4](#).

### **Logging Off from ITRM Report Center**

To log off from ITRM Report Center, click **Log Off** in the upper right corner of the UI.

By default, if ITRM Report Center is open for 30 minutes with no activity, then a warning message appears. This message states that you will be logged off and the session will close unless you choose to continue the session.

## **ITRM Report Center Users and Groups**

### **Understanding Groups, Roles, and Capabilities**

Membership in IT Resource Management groups and roles is necessary in order to work with ITRM Report Center.

*Note:* Membership in SAS groups and roles is not necessary to work with the SAS IT Resource Management client.

Using the **User Manager** component of SAS Management Console, the SAS administrator can manage users, groups, and roles. A group's membership in a role determines the SAS application capabilities for the users in that group. Typically, groups are members of roles, and users are members of groups.

Here are some definitions of the terms that pertain to this topic:

#### Group

A *group* is a set of users. Using groups facilitates setting security on objects, such as assigning access to the SAS Content Server locations where ITRM reports are available.

#### **CAUTION:**

**ITRM Report Center does not support nested groups.** For this reason, groups used for ITRM Report Center should not be members of other groups.

#### Role

A *role* determines the capabilities that you have when you use a SAS application. It controls the availability of application capabilities (or features) such as access to ITRM Report Center workspaces.

*Note:* Each role provides multiple capabilities. Your administrator can assign you to the groups that are members of the appropriate roles for the SAS work that you perform.

#### Capability

A *capability* is a SAS application feature that is under role-based management. Anyone who is a member of a role or who inherits a role via its group membership has all of that role's capabilities. For example, a capability might be the ability to perform the duties of an IT Resource Management Administrator in ITRM Report Center.

For more information about defining login metadata for users, see the *SAS 9.4 Intelligence Platform: Security Administration Guide*. This document can be found in the Administration Documentation section of the SAS Intelligence Platform documentation that is available at this location: <http://support.sas.com/documentation/onlinedoc/intellplatform/index.html>.

## User Authorization

When SAS IT Resource Management is installed, three SAS metadata-based application groups are created to control access to ITRM Report Center workspaces and functions: SASUSERS, IT Resource Management Users, and IT Resource Management Administrators. SAS administrators define additional users and groups as part of the setup tasks for SAS IT Resource Management.

Each user who is established in SAS Management Console can be a member of a group that is assigned SAS capabilities through a role.

ITRM Report Center supports the following user groups:

- SASUSERS

SASUSERS are users who have metadata identities. In ITRM Report Center, SASUSERS have limited access to the **Home** and **Gallery** workspaces.

- IT Resource Management Users

The IT Resource Management Users Group has these roles:

- IT Resource Management: User—This role provides access to ITRM Report Center **Home**, **Gallery**, and **Resource** workspaces.
- IT Resource Management: Report Center Group
- IT Resource Management Administrators

The IT Resource Management Administrators Group has these roles:

- IT Resource Management: Administrator—This role provides access to all ITRM Report Center workspaces and functions.
- IT Resource Management: Report Center Group

SAS administrators can use SAS Management Console to assign individual users to groups that are members of roles with SAS capabilities that are appropriate for the work that they perform. For more information about how to use SAS Management Console, see Chapter 2, “Preparing to Work with the SAS IT Resource Management Client” in *SAS IT Resource Management 3.4: Administrator’s Guide*. To locate the SAS IT Resource Management documentation, use the Products Index at <http://support.sas.com/documentation/index.html>.

## About the SASUSERS Group

The most basic access to ITRM Report Center is granted to users who are members of the SASUSERS group. Members of this group have limited access to the **Home** and **Gallery** workspaces. They can also use the functions of these workspaces such as viewing shared galleries and creating folders and albums that are not restricted by metadata roles. SASUSERS have access to reports that are stored in the SCS location that is defined in the ITRM Report Center **Administration** workspace.

SASUSERS group members are those users who have a SAS metadata identity on the IT Resource Management metadata server. They are implicitly defined by SAS as described in the **Members** property for this group in SAS Management Console.

*Note:* In the ITRM Report Center, **Administration** workspace, members of the SAS Users group are referred to as “ITRM Report Center Viewer (SASUSERS)”.

The following table shows the capabilities that are available to SASUSERS.

**Table 1.1 Table of ITRM Report Center Capabilities for SASUSERS**

Capability	SASUSERS
Home Workspace	Yes  <i>Note:</i> The Alerts pane and the <b>Show Related Report</b> action of the Watch List pane are not available.
Gallery Workspace	Yes
Folders	Yes  <i>Note:</i> SASUSERS can create, edit, delete, copy, and share personal folders.
Access to Galleries	Yes  <i>Note:</i> SASUSERS can access galleries that are shared with them. SASUSERS can also access reports in those galleries that are in SCS locations to which they are granted access.
Albums	Yes  <i>Note:</i> SASUSERS can create, edit, delete, share, and copy personal albums.
Access to Exception Reports	Yes

Capability	SASUSERS
Watch Lists	Yes
E-mail Reports	Yes

## **About the IT Resource Management Administrators Group and IT Resource Management: User Role**

Other users access ITRM Report Center with specific groups and roles that allow them to perform ITRM Report Center functions. These are the IT Resource Management Administrators group and the IT Resource Management: User role.

- Users who are members of the IT Resource Management Administrators group have full access to ITRM Report Center workspaces and functionality.
- Any user who administers ITRM Report Center must be a member of the IT Resource Management Administrators group that is supplied when IT Resource Management is installed.
- Users who are members of the IT Resource Management: Users role have access to ITRM Report Center **Home**, **Gallery**, and **Resource** workspaces and the full functionality in each.

Permission to access the IT Resource Management performance and exception reports stored in the SAS Content Server is granted based on the SAS metadata-based application group to which a user belongs. By default, IT Resource Management reports are written to `<Middle-Tier-Server-Name>/SASContentServer/repository/default/sasdav/ITRM` and all users of ITRM Report Center have access to this location. Multiple SAS Content Server locations can be used to permit and restrict groups of users to access IT Resource Management reports.

*Note:* For more information about using multiple SAS Content Server locations, see [“Overview of the Administration Workspace” on page 57](#).

The following table shows the capabilities that are available for the IT Resource Management: User role and the IT Resource Management: Administrator role.

**Table 1.2 Table of ITRM Report Center Capabilities for Users and Administrators**

Capability	IT Resource Management: User Role	IT Resource Management: Administrator Role
<b>Administration Workspace</b>	No	Yes
<b>Home Workspace</b>	Yes	Yes

Capability	IT Resource Management: User Role	IT Resource Management: Administrator Role
Gallery Workspace	Yes	Yes <i>Note:</i> The <b>Edit</b> button is not enabled for this role while working on the <b>Users' Galleries and Albums</b> folder. Therefore, the administrator cannot modify gallery objects of another user.
Resource Workspace	Yes	Yes
Folders	Yes	Yes <i>Note:</i> Administrators can also copy and delete the folders of other users.
Galleries	Yes	Yes <i>Note:</i> Administrators can also copy and delete the galleries of other users.
Albums	Yes	Yes <i>Note:</i> Administrators can also copy and delete the albums of other users.
Exception Reports	Yes	Yes
Alerts	Yes	Yes
Watch Lists	Yes	Yes
E-mail Reports	Yes	Yes
Perform Administrative Tasks	No	Yes <i>Note:</i> For information about administrative tasks, see <a href="#">“Overview of the Administration Workspace” on page 57.</a>

*Note:* ITRM Report Center capabilities that are not restricted by role are available to the IT Resource Management: User role. Similarly, the capabilities of the IT Resource Management: User role are available to the IT Resource Management: Administrator role.

### **About the Metadata Server: Unrestricted Role**

User IDs with the SAS Metadata Server: Unrestricted role can access SAS Management Console to assign and manage ITRM Report Center roles, groups, and users. For more

information about defining login metadata for users, see the *SAS 9.4 Intelligence Platform: Security Administration Guide*. This document can be found in the Administration Documentation section of the SAS Intelligence Platform documentation that is available at this location: <http://support.sas.com/documentation/onlinedoc/intellplatform/index.html>. The SAS Metadata Server: Unrestricted role is also used to manage the IT Resource Management application configuration properties. For more information, see *SAS IT Resource Management 3.4: Administrator's Guide*.

User IDs with the SAS Metadata Server: Unrestricted role can view and manage files and WebDAV folders in the SAS Content Server. Using the SAS Content Server Administration Console, you can view, delete, and set permissions for WebDAV folders and files. For more information see “Using the SAS Content Server Administration Console” in the *SAS 9.4 Intelligence Platform: Middle-Tier Administration Guide*.

*Note:* User IDs with the SAS Metadata Server: Unrestricted role should not be used to access ITRM Report Center. If a user with the SAS Metadata Server: Unrestricted role accesses ITRM Report Center, then access is limited to the **Administration** workspace only. This ITRM Report Center restriction is in effect to avoid situations where users with the SAS Metadata Server: Unrestricted role create ITRM Report Center objects that cannot be managed by members of the IT Resource Management Administrators group.

### **About the IT Resource Management: Report Center Group Role**

The IT Resource Management: Report Center Group role is used to identify the SAS metadata-based application groups that are associated with ITRM Report Center. All groups that are members of the IT Resource Management: User role also need to be members of the IT Resource Management: Report Center Group role. Groups that are members of both the IT Resource Management: User and the IT Resource Management: Report Center Group roles are displayed in the User Group column of the Assign location to user group dialog box of the **Administration** workspace. On this workspace, they can be assigned access to SAS Content Server locations that contain IT Resource Management reports. For more information about this workspace, see “[Overview of the Administration Workspace](#)” on page 57.

*Note:* The SASUSERS group is displayed in the **Administration** workspace as ITRM Report Center Viewers (SASUSERS). Members of the IT Resource Management Administrators group have access to all SAS Content Server locations where IT Resource Management reports are written and, as such, are not displayed in the **Administration** workspace.

### **Additional Notes about Roles, Capabilities, and Groups**

A role manages the availability of capabilities such as menu items. This list highlights key points:

- Roles are used to manage SAS application capabilities.
- Roles and groups serve distinct purposes. You cannot assign permissions to a role or capabilities to a group.
- Capabilities are always additive. Assigning someone to a role never reduces what that user can do.

**TIP** Creating groups can simplify security management. For best results, consider the following advice:

- It might be more efficient to manage role membership by assigning groups to roles instead of by assigning users directly to roles.
- It is more efficient to assign permissions to groups than to individual users.

**CAUTION:**

**ITRM Report Center does not support nested groups.** For this reason, groups used for ITRM Report Center should not be members of other groups.



# Chapter 2

# The Home Workspace

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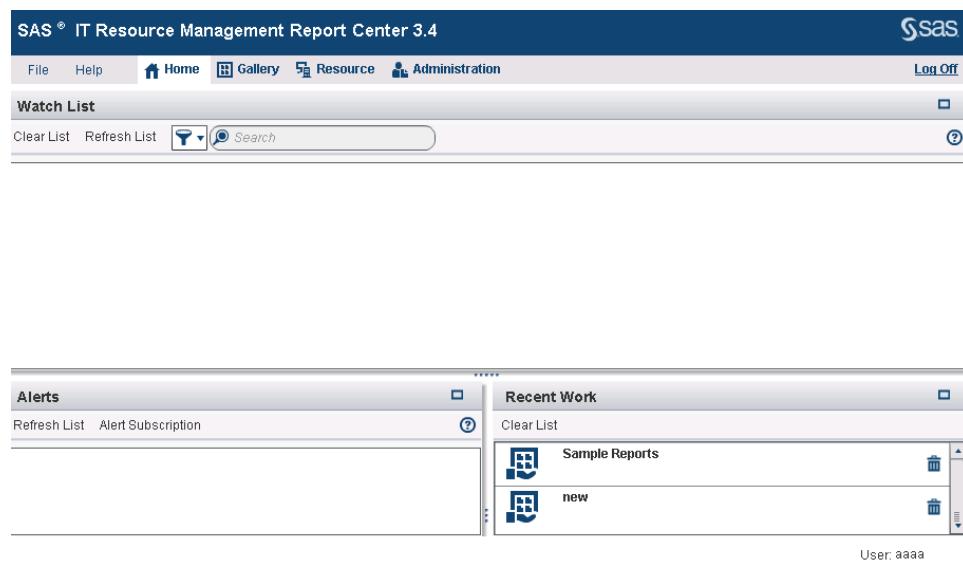
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## Overview of the Home Workspace

The **Home** workspace is accessible to all users who log on to ITRM Report Center. (Some features might not be available to you depending on your login credentials.)

Here is an example of the workspace.

**Display 2.1** *Home Workspace*



*Note:* For more information about how to access ITRM Report Center and the purposes of the roles, capabilities, and user groups that are associated with the application, see “Accessing ITRM Report Center” on page 6.

---

## About the Home Workspace

The **Home** workspace consists of these three windows:

- Watch List

The *Watch List window* consists of galleries, albums, and reports that you access frequently. In other words, these items are your favorites.

A report can be saved on the watch list to render the latest instance of the report (by using a dynamic link to it). To add an object to the watch list, select that object and click the Add to Watch List icon (  ) on the workspace bar.

The watch list can consist of no more than 25 items by default. However, the ITRM administrator can change the number of items.

- Alerts

An *alert* is a subscription-based notification that results from the IT Resource Management exception analysis feature. In ITRM Report Center, the **Alerts** window consists of reports that were generated when the criteria specified in an exception definition were satisfied. Alerts are specified using the IT Resource Management client in the Exception transformation. By subscribing to different types of alerts, you can specify that an alert is posted to the **Alerts** panel of the **Home** workspace if an exception is detected. Alerts are presented in date order – the newest are shown first.

- Recent Work

The *Recent Work window* consists of a list of the galleries, albums, resources, and folders that you worked on recently.

---

## Tasks That Can Be Performed in the Home Workspace

### Tasks That Can Be Performed in the Watch List Window

In the Watch List window, you can manage the items that are on your list. Report Center objects are added to the watch list when you select those items and click the Add to

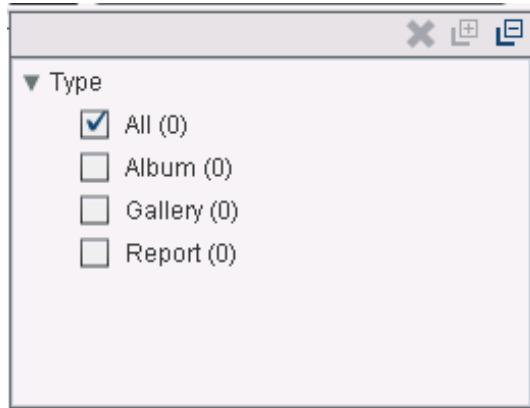
Watch List icon (  ) on the workspace bar.

- To open, or delete a watch list item, or to show related reports, use the icons for those functions. The icons are shown on the right side of each watch list item row.
- To delete all items from your watch list, click **Clear List**.
- To update all items on your watch list, click **Refresh List**.

*Note:* Updating all watch list items includes the update of all gallery objects that were modified or deleted after they had been added to the watch list. This action does not include removal of any report links that were deleted or removed from SAS Content Server after they were added to the watch list.

- To filter the type of items on your list, perform the following steps:
  1. Click the Filter icon (  ). Use the down arrow (  ) to display the types of items that can be viewed on the watch list.
  2. The following dialog box is displayed.

**Display 2.2 Watch List Items Dialog Box**



- 3. Check the box next to the type of item that you want to view on the watch list.
- 4. Click in the white space of the Watch List window to accept your selection and return to the watch list.
- To search, enter into the **Search** field the item that you want to locate in the watch list.
- To view reports that are related to a Watch List item, select the item and click the Show Related Report icon (  ).

*Note:* If you logged on as a member of the SASUSERS group, you cannot show related reports of the watch list.

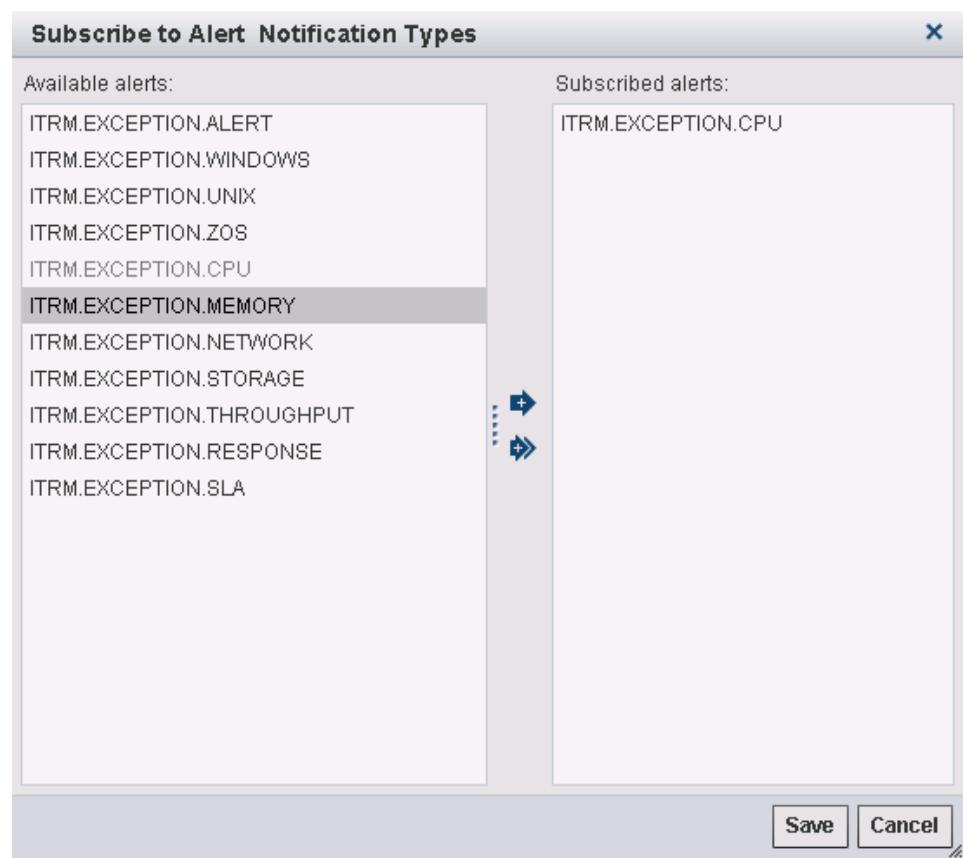
- Click the Show Related Items icon (  ) to view related reports in the **Resource** workspace.
- Click the Open icon (  ) to view the highlighted report.
- Click the Delete icon (  ) to delete the highlighted item.

## Tasks That Can Be Performed in the Alerts Window

In the Alerts window, you can refresh the list of alerts that are displayed. You can also subscribe to the type of alert that you want to view on this workspace.

- To update the list of alerts with the most recent information, click **Refresh List**.
- To delete one alert from the window, select the alert and click the Delete icon (  ).
- To be notified about an exception that has been detected, perform the following steps:
  1. Click **Alert Subscription**. The following dialog box appears.

Display 2.3 Alert Notification Dialog Box



*Note:* In the previous display, the user is alerted to any exceptions that are related to the CPU.

2. From the **Available alerts** list, select the type of alert that you want to be notified about. Click the arrow to move the selected exception to the **Subscribed alerts** list.
3. Click **Save**.

You can specify that an alert is generated when an exception is detected by using the **Notifications** tab of the Exception transformation. For more information, see Step 7 of “Specify the Properties of the Exception Transformation” in Chapter 10, “Exception Analysis Processing” in the *SAS IT Resource Management 3.4: Administrator’s Guide*.

*Note:* If you are logged on as a member of the SASUSERS group, the Alerts window is not available.

### Tasks That Can Be Performed in the Recent Work Window

In the Recent Work window, you can remove an individual item from the list, or you can remove all your recent work from the list.

- To remove an individual item from the list, click .
- To remove all your recent work from the list, click **Clear List**.

# Chapter 3

# The Gallery Workspace

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## Overview of the Gallery Workspace

On the **Gallery** workspace, you can work with folders, galleries, and albums:

- Folders

A *folder* is a container for galleries, albums, and other folders. These folders function like typical folders in a tree. You can use these folders to group related galleries and

folders. For example, you might create a single folder to include all of your galleries for DT Perf Sentry reports.

- **Galleries**

A **gallery** is a group of reports that share common filter values. You can organize SAS IT Resource Management reports by creating a gallery that includes all of the reports that meet a specific criterion. For example, you might create a gallery to include all available reports for a particular machine, adapter data source, or keyword. When viewing a gallery in the **Gallery** workspace, you can further subset or filter the reports in a gallery for viewing. Thus, you can quickly view a smaller set of reports in a gallery to measure and analyze the utilization, availability, performance, and statistical trends of IT resources for your enterprise.

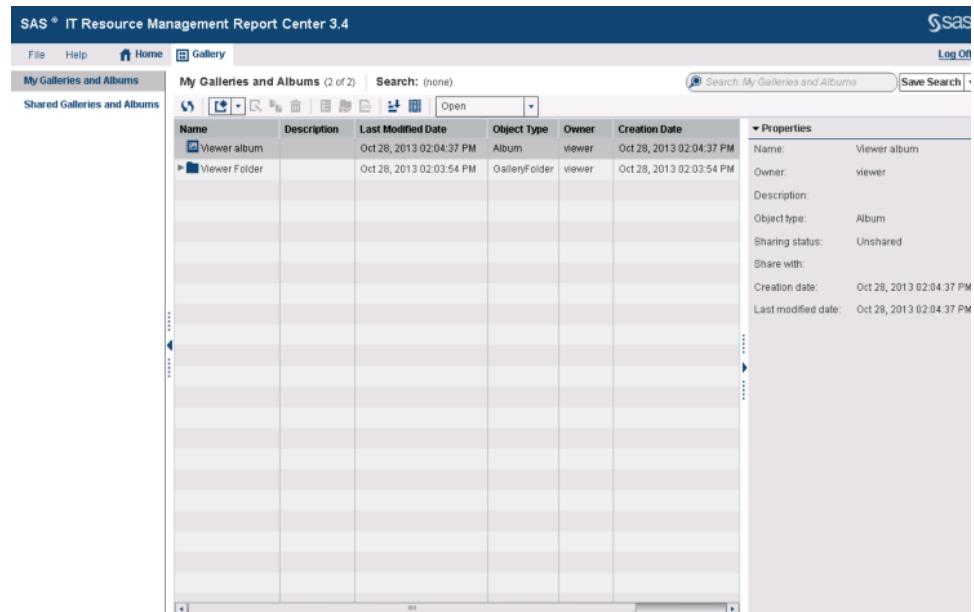
- **Albums**

**Albums** are containers for reports that you want easy access to. Think of them as point-and-click-galleries. When you open an album, it resembles and behaves like a gallery. Galleries and albums differ only in how they are created. A gallery is created with the New Gallery wizard. It is modified by using the Edit Gallery wizard. An album is created by selecting reports from existing galleries and using the Copy Link to Album icon (  ) on the workspace bar. You do not use a wizard to create or edit it.

*Note:* Galleries and albums are not deleted unless you delete them manually.

When any ITRM Report Center user who belongs to the IT Resource Management Users group logs in to the application, the following view of the **Gallery** workspace is available.

**Display 3.1** *Gallery Workspace for a User*



Name	Description	Last Modified Date	Object Type	Owner	Creation Date	Properties
Viewer album		Oct 28, 2013 02:04:37 PM	Album	viewer	Oct 28, 2013 02:04:37 PM	Name: Viewer album Owner: viewer Description: Object type: Album Sharing status: Unshared Share with: Creation date: Oct 28, 2013 02:04:37 PM Last modified date: Oct 28, 2013 02:04:37 PM
Viewer Folder		Oct 28, 2013 02:03:54 PM	GalleryFolder	viewer	Oct 28, 2013 02:03:54 PM	

Your private galleries and albums are grouped separately from galleries and albums that are shared with you. Your private galleries and albums are stored in a folder named **My Galleries and Albums**. Galleries and albums that are shared with you are stored in a folder named **Shared Galleries and Albums**.

On the **Gallery** workspace, you can choose to work with your private galleries and albums. You can also work with galleries and albums that have been shared with you by selecting the appropriate folder in the left pane.

When any user who belongs to the IT Resource Management Administrators group logs in to the application, the following view of the **Gallery** workspace is available.

**Display 3.2** *Gallery Workspace for an Administrator*

Name	Description	Last Modified Date	Object Type	Owner	Properties
aaa		Nov 2, 2013 11:28:35 AM	Gallery	Mary Hanna	
Gallery for Weekly Reports	This gallery contains only weekly reports	Oct 31, 2013 01:08:18 PM	Gallery	Mary Hanna	
My Album		Nov 5, 2013 11:56:28 AM	Album	Mary Hanna	
My Folder		Oct 24, 2013 02:24:28 PM	GalleryFolder	Mary Hanna	
My Gallery		Oct 24, 2013 01:08:36 PM	Gallery	Mary Hanna	
sss		Oct 31, 2013 03:17:30 PM	GalleryFolder	Mary Hanna	

*Note:* The **Users' Galleries and Albums** folder shows all the galleries and albums that were created by other users.

The following display shows the workspace bar that is available when you are working with objects in either the **My Galleries and Albums** or the **Shared Galleries and Albums** folders.

**Display 3.3** *Workspace Bar of the Gallery Workspace*



The main features of the **Gallery** workspace are accessed from the workspace bar. The workspace bar of the **Gallery** workspace contains the following icons:

- refreshes the workspace with the latest information.
- opens this menu of objects to create:
  - New Folder**
  - New Album**
  - New Gallery**

Select the type of object that you want to create. The corresponding dialog box appears.

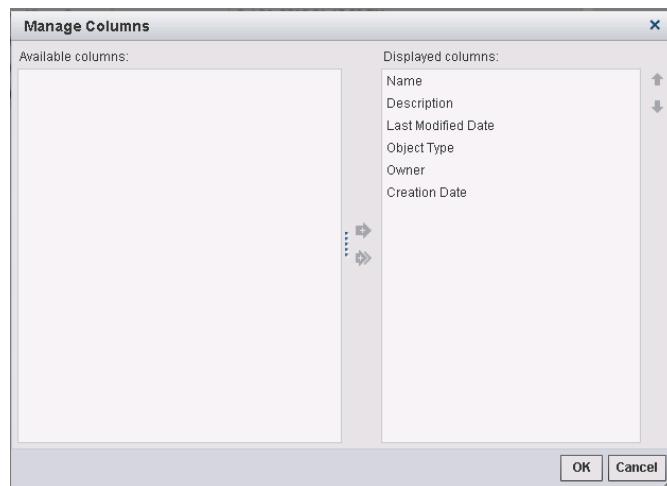
- If you select **New Folder**, the New Folder dialog box appears. For more information, see “[Working with Folders](#)” on page 23.

- If you select **New Album**, the New Album dialog box appears. For more information, see “[Create an Album](#)” on page 36.
- If you select **New Gallery**, the New Gallery wizard opens. For more information, see “[Create a Gallery](#)” on page 27.
-  edits the selected item.
-  copies the selected item.
-  deletes the selected item.
-  displays the criteria of the selected gallery.
-  shares the selected top-level folder.
-  adds the selected gallery or album to the **Watch List** on the **Home** workspace.
-  sorts the content on this workspace.

You can sort in ascending or descending order. Use the right and left arrows to move a selected sort item to the **Sort By** list. The lists are sorted in ascending order by default. To change the sort order, click the **Sort Direction** field for the item that you want to sort. Then click the order that you want the sort to use. Click **OK**.

-  changes the information that is displayed in the window. The Manage Columns dialog box appears, as shown in the following display.

**Display 3.4** *Manage Columns Dialog Box*



You can use the up and down arrows on the right side of the dialog box to change the order of the lists.

The previous dialog box shows that the **Gallery** workspace is displaying the Name, Description, Last Modified Date, Object Type, Owner, and Creation Date columns by default. To remove any of these columns from the window, select it and then use the arrows to move that column to the **Available columns** list.

*Note:* This change persists from one session to the next.

---

## Working with Folders

### About Folders

Folders can contain one or more galleries or albums as well as one or more subfolders that can also contain galleries or albums. This structure enables you to store, manage, and locate your reports easily.

- For more information about galleries, see “Working with Galleries” on page 27.
- For more information about albums, see “Working with Albums” on page 36.

To view the contents of a folder, double-click that item in the table or use the arrow (▼) to expand or collapse the contents of the folder. You can also select the item and click the **Open** box on the workspace bar. The following list appears:



From this list, select **Open**.

### Create a Folder

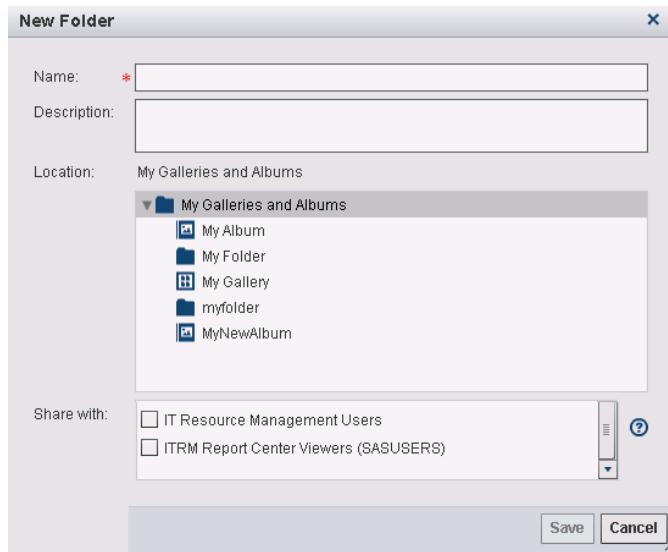
The **My Galleries and Albums** folder contains all of the folders and galleries that you create. When you create a folder, it is stored within the **My Galleries and Albums** folder.

To create a new folder, perform the following steps:

1. Click the down arrow that is next to the New Menu icon (  ). From the list of items that is displayed, select **NewFolder**.

The New Folder dialog box appears.

**Display 3.5 New Folder Dialog Box**



2. In the **Name** field, enter a unique name for the folder. The name of a folder can include no more than 60 characters.
3. (Optional) In the **Description** field, enter a description of the folder.
4. In the **Location** group box, select a folder where this new folder will be stored.
5. In the **Share with** box, check the groups that can access this new folder. The Share With section lists all groups that are members of the IT Resource Management: Users role and the members of the SASUSERS group.

For example, you can create a group called “My ITRM Users”. If you assign the IT Resource Management: Users role to it, this group also appears here.

*Note:* Only top-level folders can be shared with other users. Galleries, albums, and subfolders are shared based on the folders that they are stored in.

6. Click **Save** to create the folder or **Cancel** to close the dialog box.

### **View and Navigate Folders**

Select a folder in the center pane and double-click it or select the **Open** box on the workspace bar. (Alternatively, you can click the down arrow next to the folder to display its contents.)

The center pane displays the following information about the subfolders, galleries, and albums that are contained in the folder that you selected:

- **Name** displays the name of the item.
- **Description** displays the descriptive text that is associated with this item.
- **Last Modified Date** displays the date on which the item was last changed.
- **Object Type** displays whether the object is a folder, a gallery, or an album. The icon to the left of each row also identifies the object.
- **Owner** displays the name of the user who created this item.
- **Creation Date** displays the date on which the item was created.

The column headings enable you to sort the objects by column. When you click a column heading in the grid, an up arrow (ascending) or down arrow (descending) icon appears. These arrows indicate whether the information in the columns is sorted by ascending or descending order. You can click the arrow in a column heading to change the sort order for that column.

*Note:* If an object does not have a value in one of the possible sort fields, then that object appears first in a list that is sorted in ascending order.

## Edit a Folder

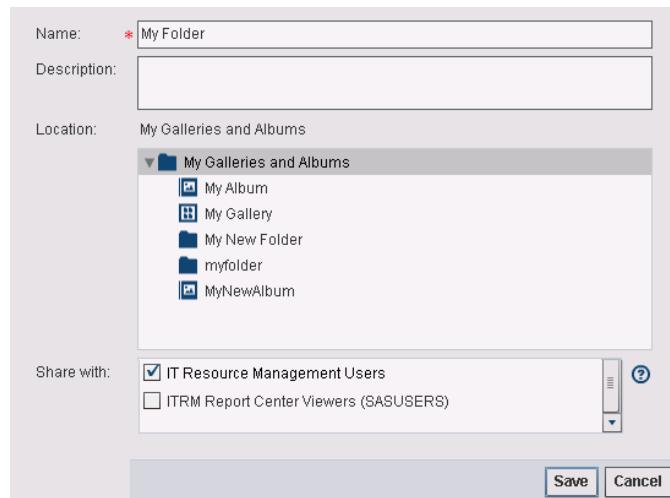
You can change the folder name, description, and location. For top-level folders, you can change the **Share with** list. The folders that you have permission to edit are based on your user ID. You can edit only those folders that you create.

To edit a folder, perform the following steps:

1. Select the folder that you want to edit.
2. Click the Edit icon (  ).

The Edit Folder dialog box appears.

**Display 3.6 Edit Folder Dialog Box**



3. You can modify the values in the **Name** and **Description** fields as needed. The name of a folder can include no more than 60 characters.
4. Click **Save** to save your changes.

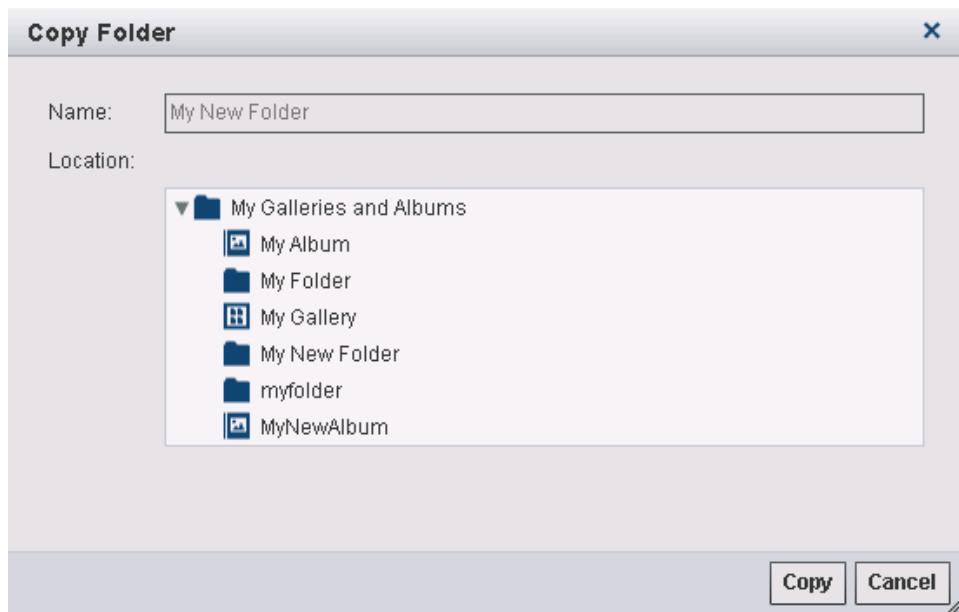
## Copy a Folder

Folders can be copied from all available ITRM Report Center locations to your **My Galleries and Albums** folder or to any other folder under **My Galleries and Albums**.

To copy a folder, perform the following steps:

1. Select the folder that you want to copy.
2. Click the Copy icon (  ). The Copy Folder dialog box appears.

Display 3.7 Copy Folder Dialog Box



3. Select a new location in which to store the copied folder.
4. Click **Copy** to copy the folder.

*Note:* The contents of gallery folders are not included when folders are copied. The individual objects must be copied individually.

### Delete a Folder

You can delete a folder to remove it and the galleries or albums that it contains from ITRM Report Center. However, this action does not delete the corresponding reports from the SAS Content Server.

*Note:* Members of groups with the IT Resource Management: User role can delete only the folders that they created. Members of the IT Resource Management: Administrators group can delete any folder.

To delete a folder, perform the following steps:

1. Select the folder that you want to delete.
2. Click the Delete icon (  ).
3. Click **Yes** to delete the selected folder.

### Share a Folder

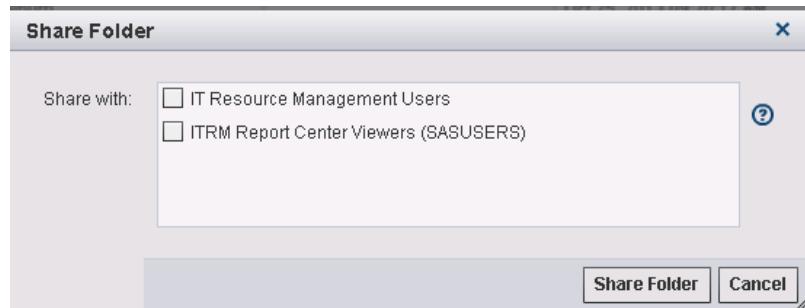
Members of groups with the IT Resource Management: User role can share only the folders that they created. Members of the IT Resource Management: Administrators group can share any folder.

To share a folder with another user, perform the following steps:

1. Select the folder that you want to share.

2. Click the Share icon (  ). The Share Folder dialog box appears.

**Display 3.8 Share Folder Dialog Box**



3. Check the box next to any group that you want to share this folder with.
4. Click **Share Folder** to share the folder.

*Note:* If you do not want to share a folder with a particular group, deselect the check box for that group.

*Note:* Only top-level folders can be shared. Galleries, albums, and subfolders are shared based on the folders that they are stored in.

## Working with Galleries

### About Galleries

Galleries are collections or groups of reports that are generated by SAS IT Resource Management and placed in the SAS Content Server. Creating and working with galleries enables you to identify and group reports based on common variables. Grouping reports into manageable subsets enables you to view, evaluate, and analyze the performance and capacity of your IT infrastructure efficiently. For more information about the report properties that you can use as criteria for including reports in a gallery, see the chapters about report definitions and the ITRM Report Definition task in the *SAS IT Resource Management 3.4: Reporting Guide*. For more information about creating and using filters in the **Gallery** workspace, see “[Filter Reports](#)” on page 42.

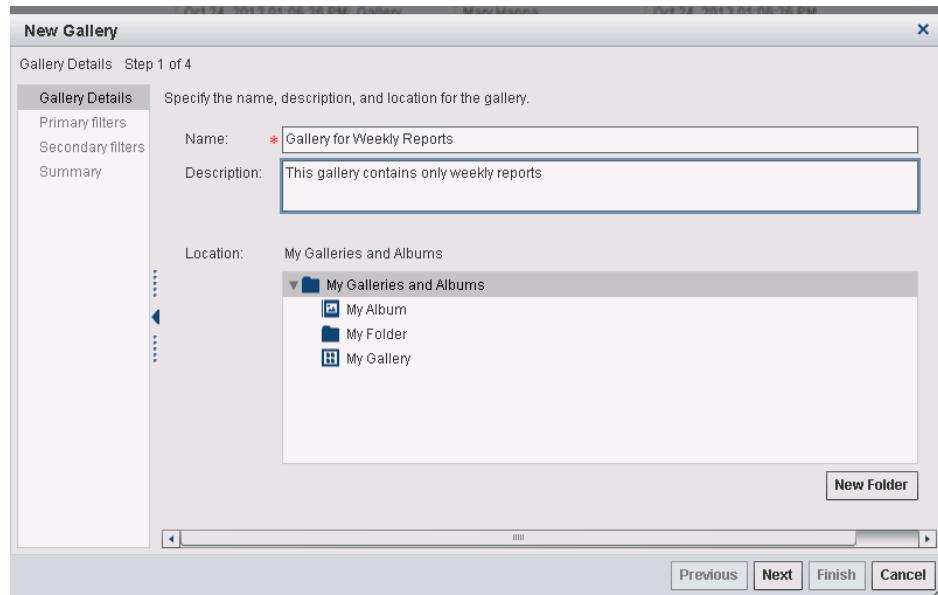
### Create a Gallery

#### **Gallery Details: Step 1 of 4**

To create a gallery, perform the following steps:

1. On the workspace bar of the **Gallery** workspace, click the arrow next to the Create a New Item icon (  ). From the list that appears, select **New Gallery**. The New Gallery wizard opens to guide you through the steps that create a new gallery.
2. On the **Gallery Details** page, specify the general information about the new gallery.

## Display 3.9 Gallery Details Page of the Create Gallery Wizard



- In the **Name** field, enter a unique name for the gallery. Gallery names must be unique within a folder. The name of a gallery can include no more than 60 characters.
- (Optional) In the **Description** field, enter a description of the gallery.
- In the **Location** group box, select the folder where this new gallery will be stored. If you do not want to use one of the existing folders, then click the **New Folder** button. This action launches the New Folder dialog box that enables you to create and define a new folder. When you are finished, the wizard returns you to the Create Gallery wizard.

*Note:* All components of a folder have the same sharing status as their parent folder.

- Click **Next** to specify the primary filters that will be used to subset the reports into the gallery. Continue to “[Primary Filters: Step 2 of 4](#)” on page 28.

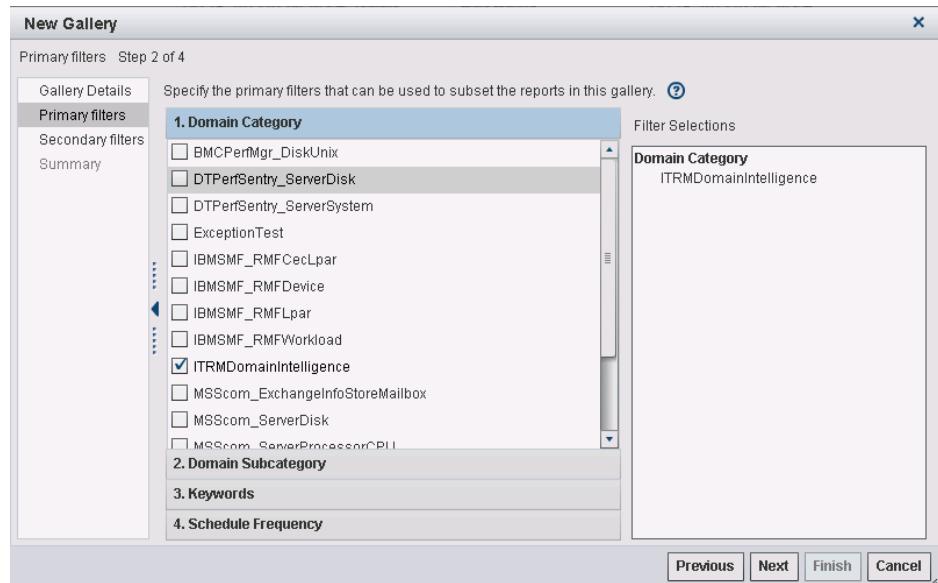
### Primary Filters: Step 2 of 4

After you complete “[Gallery Details: Step 1 of 4](#)” on page 27, specify the primary filters.

- On the **Primary Filters** page, select the primary filters that designate the criteria for reports that make up the gallery. Filters limit the number of reports that are in the gallery. For example, you might choose to create a gallery that includes only reports that were defined to run weekly (Schedule Frequency) and that are available for a particular adapter data source (Domain Category) or keyword.

The following example shows the domain **ITRMDomainIntelligence** selected as a primary filter for a gallery. This domain is used to identify the sample reports that ITRM Report Center provides.

**Display 3.10 Primary Filters Page of the Create Gallery Wizard**



The values that appear in this list are based on the reports that are in the SAS Content Server at the time. It is likely to be a subset of the values that are available from SAS Enterprise Guide and from the exception system. You can also add your own values in the case of user-defined sources.

ITRM Report Center uses these filter variables in report properties to identify, filter, and sort the reports. For more information about working with the ITRM Report Definition task and report definitions, see the *SAS IT Resource Management 3.4: Reporting Guide*. To locate the SAS IT Resource Management documentation, use the Products Index at <http://support.sas.com/documentation/index.html>.

Here are the four groups of primary filters that you can use to refine the set of reports in the gallery:

- **Domain Category** for the appropriate domain category that is associated with the adapter. Selecting a value for the domain is required.
- **Domain Subcategory** for the appropriate domain subcategory that is associated with the domain category.
- **Keywords** for other terms or variables by which you might filter the reports, such as “CPU.”
- **Schedule Frequency** for the time period on which the reports are run, such as daily, weekly, and monthly.

*Note:* The Schedule Frequency filter, specified in the SAS Enterprise Guide ITRM Report Definition task, is a filter value that suggests when the

corresponding report job should run. It does not schedule report jobs and is not necessarily indicative of the date properties of the corresponding reports.

To select primary filters, perform the following steps:

- a. To select a primary filter, check the box next to a primary filter group. The primary filters that are available include only the variables that are present for at least one of the reports in the SAS Content Server. You must select a domain.
- b. To deselect a filter, click the filter. The checkmark is removed.

*Note:* Selecting a filter restricts the size of the gallery so that only those reports that have properties that match that filter are included in the gallery.

2. Click **Next** to specify the secondary filters that are used to further subset the reports into the gallery.

*Note:* By default, primary filters must reduce the number of reports to no more than 100,000 before you can continue to subset the reports further with secondary filters. If the primary filters that you specify on this page do not reduce the number of potential reports to 100,000 or less, then an error message appears and you cannot continue. You must specify more primary filters to reduce the number of potential reports for the gallery. Secondary filters should reduce the number of reports to no more than 3,000 before you can finish creating the gallery. Galleries are limited to 3,000 reports. Your ITRM Report Center administrator can configure these report limits to a lower value for your organization if necessary. (To update the default report limits for the primary and secondary filters, use the SAS Administrative ID.) For more information, see the “Administrative Tasks” chapter of the *SAS IT Resource Management 3.4: Reporting Guide*.

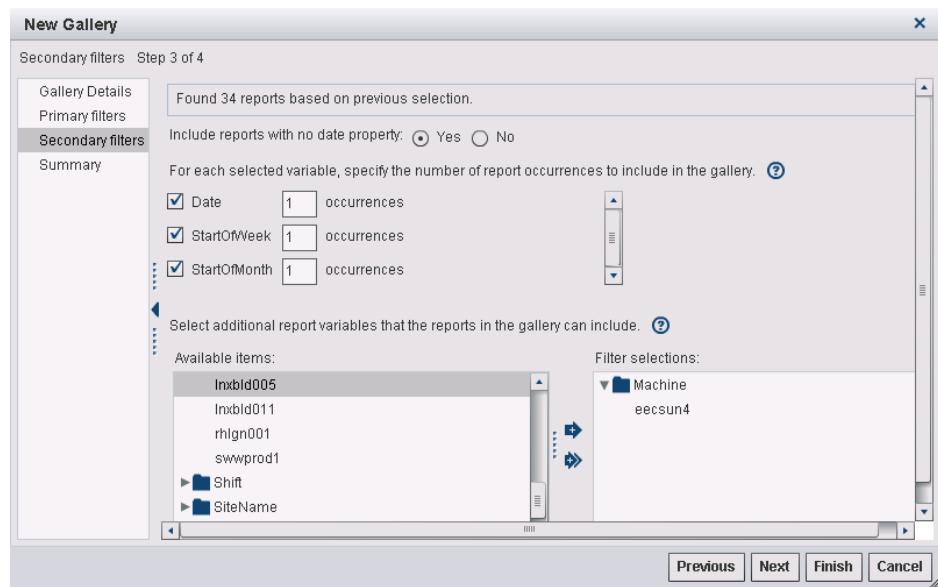
Continue to “[Secondary Filters: Step 3 of 4](#)” on page 30.

### **Secondary Filters: Step 3 of 4**

After you complete “[Primary Filters: Step 2 of 4](#)” on page 28, specify the secondary filters.

1. On the **Secondary Filters** page, select the secondary filters that designate additional criteria for reports that make up the gallery. Secondary filters enable you to further subset the reports that meet the primary filter criteria that you selected on the previous page.

Display 3.11 Secondary Filters Page of the Create Gallery Wizard



This page shows the number of SAS IT Resource Management reports that are in the SAS Content Server and meet the criteria that you specified with the primary filters on the previous page. You can select **Finish** to accept the default filters for **Date**, **StartOfWeek**, and **StartOfMonth**. Alternatively, you can continue to reduce the number of reports in the gallery by selecting secondary filters.

To select secondary filters, perform the following steps:

- Select whether you want to include reports with no date property in the gallery. Some reports might not have a Date, StartOfWeek, or StartOfMonth BY variable. If you want to include these reports in the gallery, then select **Yes** for the **Include reports with no date property** option.
- Select the date-based reports for which you want to specify the number of occurrences to include in the gallery.

Reports can include the following date variables:

- Date** specifies that Date is in the BY variable of the report.
- StartOfWeek** specifies that StartOfWeek is in the BY variable of the report.
- StartOfMonth** specifies that StartOfMonth is in the BY variable of the report.

*Note:* These options for date variables are filters. However, if you want to exclude all reports with a date BY variable of Date, StartOfWeek, or StartOfMonth, then deselect the appropriate check box.

- In the **Occurrences** field, specify the maximum number of instances (1 to 99) of the date variable that you want to include in the gallery. If a report includes a corresponding date variable that is within this range, then the report is included in the gallery.

The range begins with the date of the most recent BY variable for the given time variable (**Date**, **StartOfWeek**, or **StartOfMonth**) and includes the next latest dates within the range.

For example, the following figure shows the date-based reports that are in a single gallery if occurrences are specified for all three date variables Date,

StartOfWeek, and StartOfMonth. This figure uses the following conventions to represent reports:

- A black square (■) indicates that a report for the given date is available in the SAS Content Server and meets the primary filter criteria.
- A shaded cell indicates that the report is included in the gallery.

**Figure 3.1 Reports That Are Included in a Gallery Based on Occurrences**

4 Occurrences for Date					
Reports with a Date in the BY Variables List	01JUN	02JUN	03JUN	04JUN	05JUN
Report A	■	■	■	■	■
Report B	■	■	■	■	
Report C	■	■	■		
Report D	■	■		■	
Report E	■			■	

2 Occurrences for StartOfWeek					
Reports with a StartOfWeek Date in the BY Variables List	03MAY	10MAY	17MAY	24MAY	31MAY
Report F	■	■			■
Report G	■		■		
Report H	■	■	■		
Report I	■	■			
Report J	■				

1 Occurrence for StartOfMonth					
Reports with a StartOfMonth Date in the BY Variables List	01FEB	01MAR	01APR	01MAY	01JUN
Report K	■	■	■	■	■
Report L	■	■	■	■	

d. Select additional secondary filters to further subset the reports in the gallery. These secondary filters are listed in the **Available items** box and are based on the primary filters that you selected on the previous page. Use the right arrow to move selected filter variables to the **Filter selections** box. To deselect a filter variable, select the filter in the **Filter selections** box and click the left arrow to move the filter back to the **Available items** box.

If you do not select an additional report variable, then the reports in the gallery can include any of the variables for that secondary filter category. If you select at least one variable, then the reports in the gallery can include only the variables that you selected from the secondary filter group.

*Note:* The gallery contains reports that have all of the selected BY variables. For example, in a domain category for VMware, the BY variables might be Host and Cluster. You might want to view only reports that contain a certain host within a certain cluster. To do so, when you create the gallery, on the **Secondary filters** page, select the desired values for **Host** and for **Cluster**.

from the **Available items** box. Later, when you view the gallery, reports that contain the selected **Host** and **Cluster** values are returned.

2. Click **Next** to view a summary of your previous selections.

*Note:* If the gallery that is created contains reports in excess of the SecondaryReportCount value (a value set by the SAS Administrator), then this error message appears: **<nn> reports are fetched which has exceeded the administrator's recommended limit of <value-of-the-secondary-report-count>. You can proceed and create this gallery understanding that only <value-of-the-secondary-report-count> reports will be included.** Your SAS administrator can configure this report limit to a lower value for your organization if necessary. For more information, see the “Administrative Tasks” chapter in the *SAS IT Resource Management 3.4: Reporting Guide*.

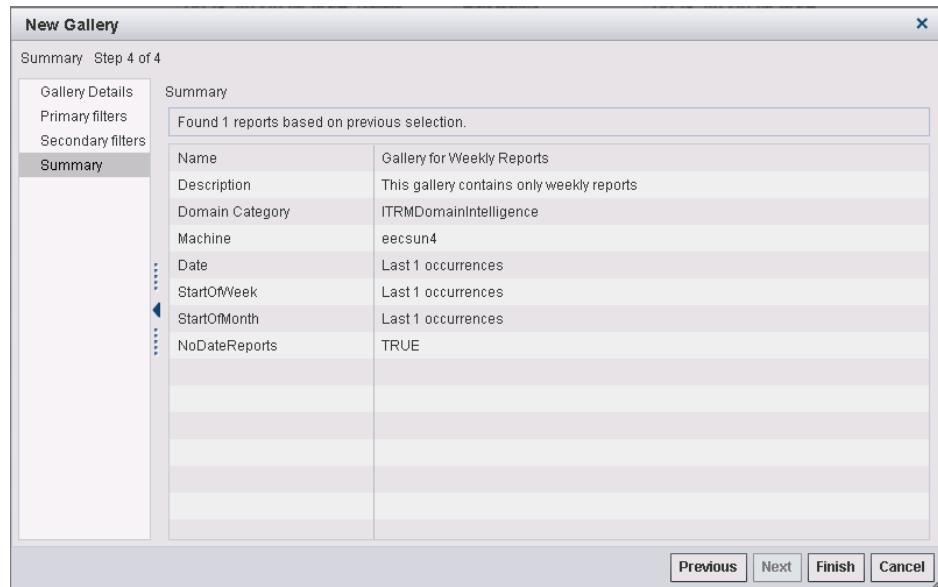
Continue to “[Summary: Step 4 of 4](#)” on page 33.

### **Summary: Step 4 of 4**

After you complete “[Secondary Filters: Step 3 of 4](#)” on page 30, view the summary.

1. On the **Summary** page, review your previous selections and ensure that they reflect the results that you expected.

**Display 3.12** *Summary Page of the Create Gallery Wizard*



This page provides the number of SAS IT Resource Management reports that are in the SAS Content Server and meet the criteria that you specified with the primary and secondary filters on the previous pages.

If the gallery includes more reports than you want, click **Previous** and modify your filter settings to further subset the reports.

2. Click **Finish** to create the gallery.

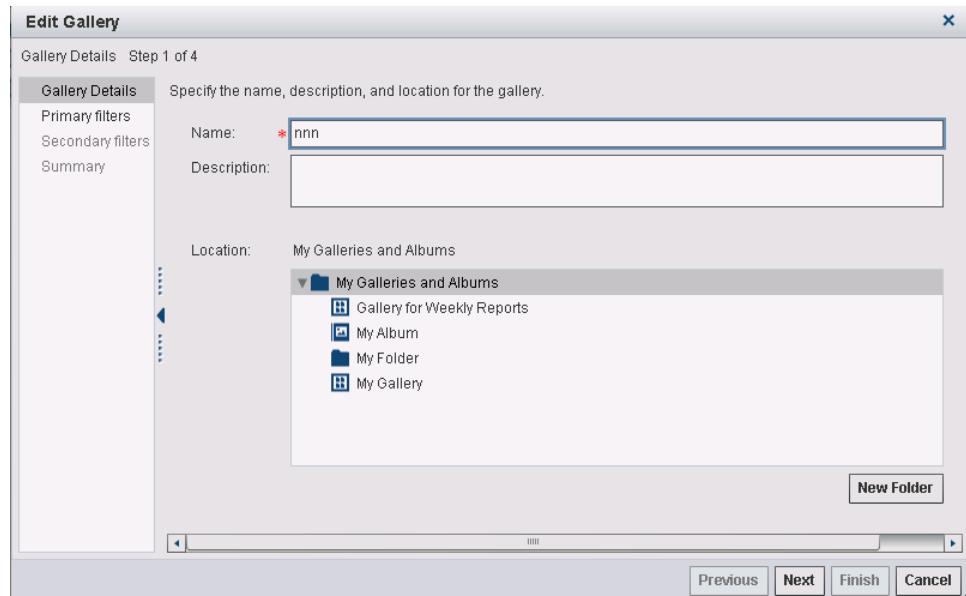
### **Edit a Gallery**

You can change the name, description, location, and filters of the galleries that you created.

To edit a gallery, perform the following steps:

1. In the left pane of the **Gallery** workspace, select the **My Galleries and Albums**.
2. In the center pane of the **Gallery** workspace, select the gallery that you want to edit. Click the **Edit** icon (  ). The first page of the Edit Gallery wizard appears.

**Display 3.13** Edit Gallery Wizard



On this page, you can modify the name, description, and location of the gallery. You can also use the **New Folder** button to create a new folder for this gallery.

3. On the other pages of the wizard, you can modify the values in the **Primary Filters** and **Secondary Filters** pages as needed. For more information about how to complete the fields on these pages, see “[Create a Gallery](#)” on page 27.

*Note:* If you change the domain category on the **Primary Filters** page, then all other gallery filters are reset to default values. In this case, you have to explicitly re-specify your previous selections.

4. Click **Finish** to save the gallery changes.

## Copy a Gallery

To copy a gallery, perform the following steps:

1. In the left pane of the **Gallery** workspace, select the folder that contains the gallery that you want to copy from. You can select **My Galleries and Albums** or **Shared Galleries and Albums** or, for ITRM Report Center administrators, **Users' Galleries and Albums**.

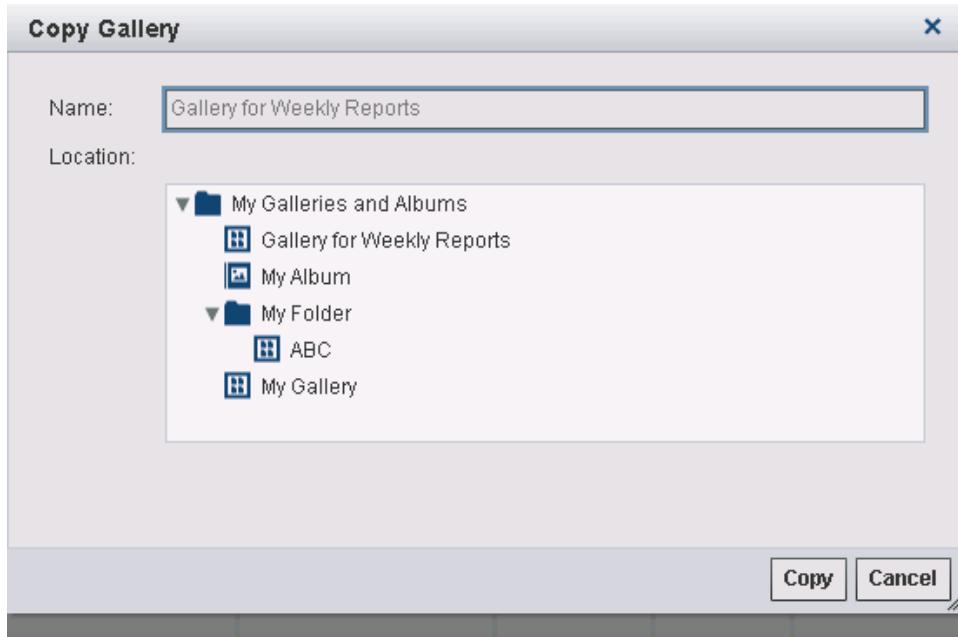
In the center pane of the **Gallery** workspace, select the gallery that you want to copy.

*Note:* You can select only one gallery at a time in this pane.

2. Click the **Copy** icon (  ).

The Copy Gallery dialog box appears.

**Display 3.14 Copy Gallery Dialog Box**



3. The **Name** field cannot be modified.
4. In the **Location** group box, select a folder where this gallery will be copied. The copy inherits the sharing status of the folder where it is located.
5. Click **Copy** to create the copy of the gallery.

If a gallery with the same name exists under the selected folder, then this message is displayed: **The location you specified already contains the object with this name. Specify a different location to copy.**

### Delete a Gallery

You can delete a gallery to remove it from ITRM Report Center. Deleting a gallery does not delete the reports that it contains from the SAS Content Server.

*Note:* Members of groups that are members of the IT Resource Management: User role can delete only the galleries that they created. Members of the IT Resource Management Administrators group can delete any gallery.

To delete a gallery, perform the following steps:

1. In the center pane of the **Gallery** workspace, select the gallery that you want to delete.

*Note:* You can select only one gallery at a time in this pane.

2. Click the Delete icon (  ).

3. Click **Yes** to delete the gallery.

## Working with Albums

### Overview of Working with Albums

Albums are containers for reports to which you want easy access. The reports in an album are those that are selected for inclusion when the user is viewing a report in the **Gallery** or **Resource** workspace. Albums can be thought of as point-and-click-galleries. Albums are not deleted unless you delete them manually.

### Create an Album

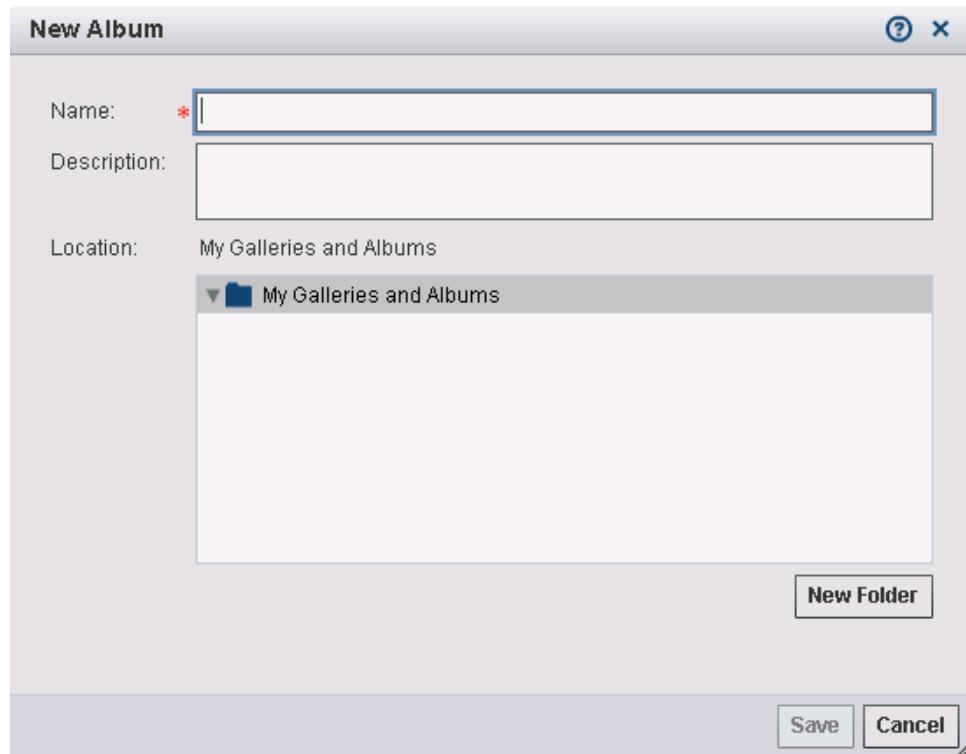
To create an album, perform the following steps:

1. On the workspace bar, click the **Create a New Item** icon (     )



2. Select **New Album**. The New Album dialog box appears.

**Display 3.15** New Album Dialog Box



3. Enter a value in the **Name** field. The value in this field must be unique within its folder.

You can also enter text in the **Description** box.

4. Click the down arrow to display the locations that are available to store your album in the SAS Content Server. Select the location where your album will be stored.
5. Click **New Folder** to open the New Folder dialog box that enables you to create and define a new folder. When you are finished, you return to the New Album dialog box.
6. Click **Save** to save your specifications and return to the **Gallery** workspace.

## Copy an Album

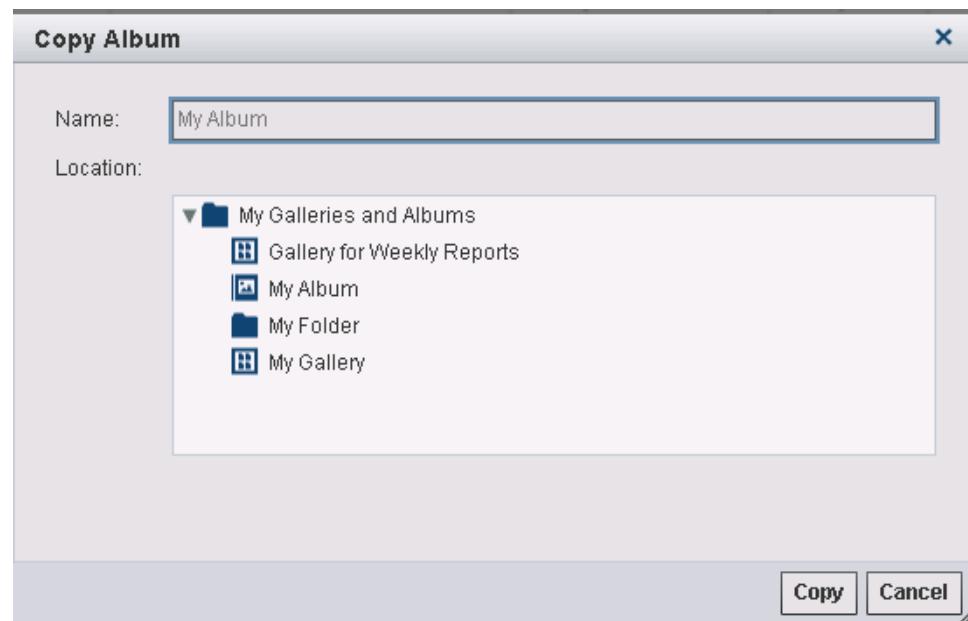
To copy an album, perform the following steps:

1. In the left pane of the **Gallery** workspace, select the folder that contains the album that you want to copy from. You can select **My Galleries and Albums** or **Shared Galleries and Albums** or, for ITRM Report Center administrators, **Users' Galleries and Albums**.
2. In the center pane of the **Gallery** workspace, select the album that you want to copy.

*Note:* You can select only one album at a time in this pane.

Click the Copy icon (  ). The Copy Album dialog box appears.

**Display 3.16 Copy Album Dialog Box**



3. The **Name** field cannot be modified.
4. In the **Location** group box, select a folder where this album will be copied. The copy inherits the sharing status of the folder where it is located.
5. Click **Copy** to create the copy of the album. If an album with the same name exists under the selected folder, then this message is displayed: **The location you specified already contains the object with this name. Specify a different location to copy.**

## Delete an Album

Members of the groups that are members IT Resource Management: User role can delete the albums that they create. Members of the IT Resource Management Administrators group can delete any album.

To delete an album, perform the following steps:

1. Select **My Galleries and Albums** to display the list of your galleries and albums.
2. In the center pane, select the albums that you want to delete.
3. Click the Delete icon (  ) on the workspace bar.

This message is displayed: **Do you want to delete the selected items?** Click **Yes** to delete the items.

## Copy Reports to an Album

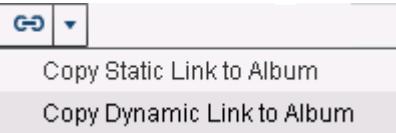
The option to copy a report to an album is available when you are viewing a report in the **Gallery** or **Resource** workspace. To copy reports to an album, perform the following steps:

1. When viewing reports in the **Gallery** or **Resource** workspace, identify the report that you want to copy to an album.

*Note:* When viewing a report in an album, you cannot link the report to another album.

2. Open the gallery that you want to copy a report from. Select the report that you want to copy.

3. On the workspace bar, click the Album icon (  ).

4. Use the down arrow to display this menu: 

**Copy Static Link to Album**

**Copy Dynamic Link to Album**

5. Select one of the following types of copies:

- Select **Copy Static Link to Album** to copy the report to your album.
- Select **Copy Dynamic Link to Album** to copy the latest version of this report to your album.

*Note:* If the report that you are copying was generated by a SAS IT Resource Management 3.3 or earlier job, a message appears saying the report cannot be copied. (Reports that were generated by previous releases do not support this feature.)

You can copy the same report to an album as both a static link and a dynamic link. This feature enables you to compare the contents of the reports from the first day to the latest day. On the first day, the report that was copied as a static link is displayed. On the second day and every day thereafter until the static report expires, both the static link and the dynamic link are displayed.

Static reports are links to a particular report instance in the SAS Content Server. Dynamic reports are links to the latest version of a report. In both types of copies to an album, the links are removed when that instance of the report is removed from the SAS Content Server.

If a report is deleted and the cache is refreshed, the link to that report is no longer available and automatically removed from an album. If you open an album that does not contain any reports, then a message notes that there are no reports in this album.

*Note:* Reports are deleted when they pass their expiration date. In some cases, the administrator might delete reports manually. For more information, see the “Delete Reports from the SAS Content Server” topic in the Administrative Tasks chapter of the *SAS IT Resource Management 3.4: Reporting Guide*.

---

## Working with Galleries and Albums in the Gallery Workspace

The following topics describe how to view, filter, and sort reports in the **Gallery** workspace. To work with the reports that are created by IT Resource Management, they must first be organized into a gallery or album. To open a gallery or album in the **Gallery** workspace, select that item from those that are available in **My Galleries and Albums** or **Shared Galleries and Albums**.

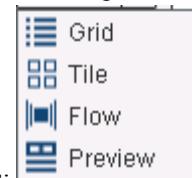
### **View Reports**

The following display shows the workspace bar that is available when you are working in the **Gallery** workspace.

*Display 3.17 Gallery Workspace Bar*



The **Gallery** workspace provides four gallery views that enable you to view and sort the reports in different ways. Click the **Grid** button in the workspace bar to display the types



of views that are available. Here is the list of views: . The four types of gallery views are displayed in the following list:

- The grid view displays the reports and their associated metadata in a tabular format. The columns in the table include additional information about the reports, such as the title, BY variables, and creation date.
  - **Report Title** specifies the title of the report.
  - **BY Variables** specifies resource BY variables that are in the report.
  - **Content Date** specifies the date BY variables that are in the report, such as Date, StartOfWeek, and StartOfMonth.

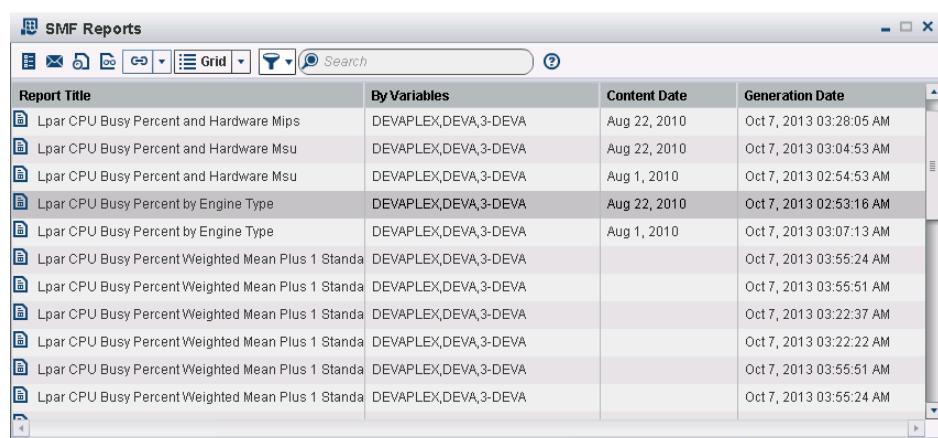
- **Generation Date** specifies the date and time that the report was created.

*Note:* The **Generation Date** that is displayed in the grid view shows the date that is based on the local time zone of the client. This date might differ from the date on which the report job was run if it was run in a different time zone from the client's time zone.

You can select a column to sort reports based on that column or to adjust the width of the column in the table. You can quickly scan these report titles for similarities and double-click an individual report to view a large image of it in a separate browser window. This view is the default view.

*Note:* Timestamps in the tabular view of ITRM Report Center contain different times than those in the actual reports if they are viewed in a different time zone from where the report jobs were run.

**Display 3.18** A Gallery in the Grid View



The screenshot shows a software window titled "SMF Reports". The window has a toolbar with icons for back, forward, search, and other functions. Below the toolbar is a grid view with the following columns: "Report Title", "By Variables", "Content Date", and "Generation Date". The grid contains 12 rows of data, each representing a report. The "Report Title" column shows various report names, and the "By Variables" column shows "DEVAPLEX,DEVA,3-DEVA" for most reports. The "Content Date" and "Generation Date" columns show dates and times from August 2010 to October 2013. The 12th row is currently selected, highlighted with a gray background.

Report Title	By Variables	Content Date	Generation Date
Lpar CPU Busy Percent and Hardware Mips	DEVAPLEX,DEVA,3-DEVA	Aug 22, 2010	Oct 7, 2013 03:28:05 AM
Lpar CPU Busy Percent and Hardware Msu	DEVAPLEX,DEVA,3-DEVA	Aug 22, 2010	Oct 7, 2013 03:04:53 AM
Lpar CPU Busy Percent and Hardware Msu	DEVAPLEX,DEVA,3-DEVA	Aug 1, 2010	Oct 7, 2013 02:54:53 AM
Lpar CPU Busy Percent by Engine Type	DEVAPLEX,DEVA,3-DEVA	Aug 22, 2010	Oct 7, 2013 02:53:16 AM
Lpar CPU Busy Percent by Engine Type	DEVAPLEX,DEVA,3-DEVA	Aug 1, 2010	Oct 7, 2013 03:07:13 AM
Lpar CPU Busy Percent Weighted Mean Plus 1 Standa	DEVAPLEX,DEVA,3-DEVA		Oct 7, 2013 03:55:24 AM
Lpar CPU Busy Percent Weighted Mean Plus 1 Standa	DEVAPLEX,DEVA,3-DEVA		Oct 7, 2013 03:55:51 AM
Lpar CPU Busy Percent Weighted Mean Plus 1 Standa	DEVAPLEX,DEVA,3-DEVA		Oct 7, 2013 03:22:37 AM
Lpar CPU Busy Percent Weighted Mean Plus 1 Standa	DEVAPLEX,DEVA,3-DEVA		Oct 7, 2013 03:22:22 AM
Lpar CPU Busy Percent Weighted Mean Plus 1 Standa	DEVAPLEX,DEVA,3-DEVA		Oct 7, 2013 03:55:51 AM
Lpar CPU Busy Percent Weighted Mean Plus 1 Standa	DEVAPLEX,DEVA,3-DEVA		Oct 7, 2013 03:55:24 AM

Double-click a report in the grid to open a large version of it in a separate browser window.

- The tile view displays images. This view displays up to four thumbnails of reports at one time. Each tile includes the report title, the BY variables, and a small image of the report. You can double-click an individual report to view a large image of it in a separate browser window.

ActiveX is supported only on Internet Explorer. Extensions or plug-ins are necessary when working with ActiveX content while using Chrome or Firefox browsers.

## Display 3.19 A Gallery in the Tile View



**TIP** You can use the vertical scroll bar to navigate through the entire set of reports in the gallery.

- The flow view displays a horizontal stack of reports at one time. Each report image includes the report title, the BY variables, and a small image of the report.

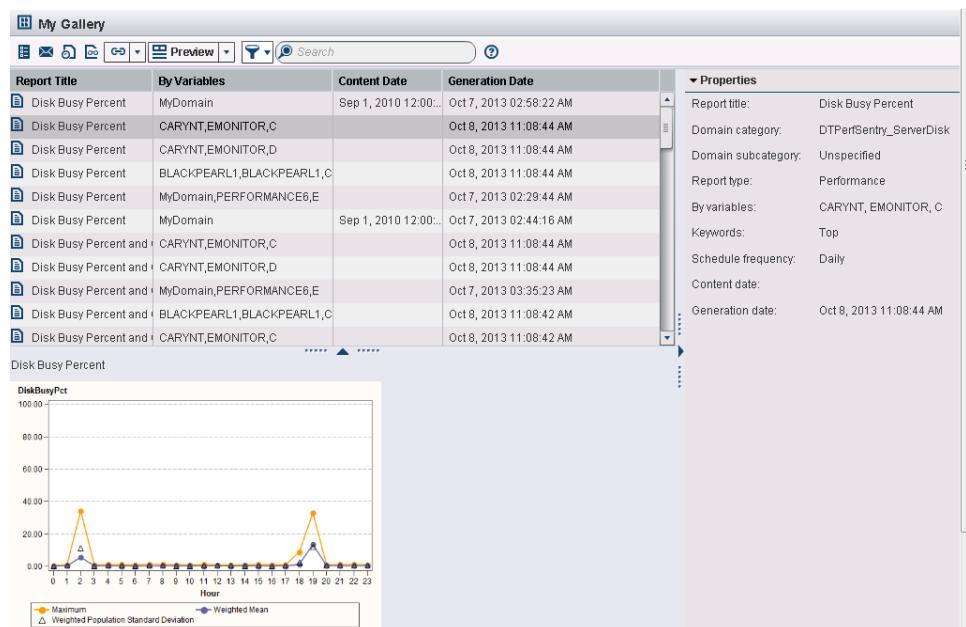
This view displays the reports as moveable pages so that you can navigate through a sequence of reports that are stacked together. You can double-click an individual report to view a large image of it in a separate browser window.

## Display 3.20 A Gallery in the Flow View



You can navigate between reports by clicking each page as if it were a page in a book. Here are the ways that you can navigate through the reports in the flow view:

- Click a report on the right to move that report into the center.
- Click a report on the left to move that report into the center.
- Double-click the report in the center to see a larger view of the report in a separate browser window.
- Use the horizontal scroll bar to page through reports.
- The **Preview** option displays a shortened list of the reports that are shown in the grid view and a Preview pane below. Click a report in the grid area to see a thumbnail image in the preview area. Double-click a report in the grid area or the preview area to see a larger view of the report in a separate browser window.

**Display 3.21** Previewing Reports

## Filter Reports

You can use filters to subset the view of reports in a gallery by one or more criteria. This process reduces the number of reports that are shown in the gallery so that you can limit the display to those specific reports that meet your filter criteria.

The filter variables in the Filters pane are criteria that restrict the gallery reports that are displayed when viewing a gallery in the **Gallery** workspace. When you select a filter variable within a group, you see only the reports that include the variable that you selected. However, if you do not select a variable within a given filter group, then the displayed reports can include any of the variables that are related to the filter group.

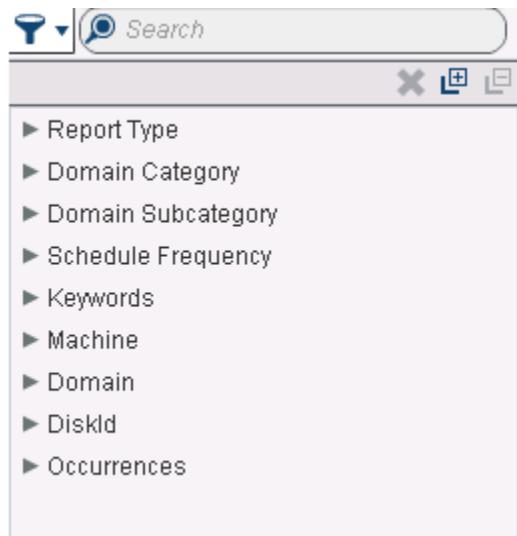
For example, a filter group named **Machine** might include four variables that correspond to four machines in your organization: DEVA, GOLDFINGER4, P0A2, and PERFORMANCE6. If you select the variable DEVA, then only the gallery reports for the DEVA machine appear.

If you select multiple filter variables in a single filter group, then the Gallery pane displays only the reports that meet any of those selected criteria. If you select a filter variable in two different filter groups, then the Gallery pane displays only the reports that meet both criteria for the two distinct filter groups.

To filter the reports that you view in a gallery, perform the following steps:

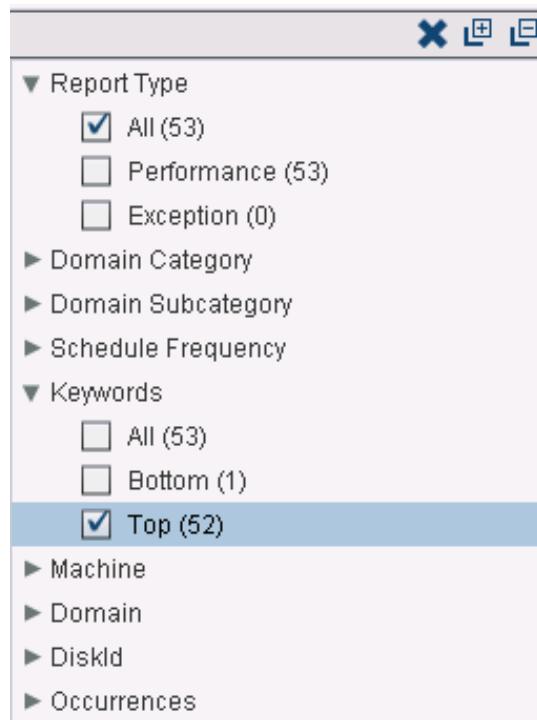
1. Open a gallery in the **Gallery** workspace. To do so, select the gallery that you want to work with and click **Open** on the workspace bar.
2. Click the arrow that is next to the Filter icon (  ) on the workspace bar. The filter menu appears:

**Display 3.22 Filter Menu**



3. Click the arrow next to the type of filter that you want to specify. The list of available values for a filter varies based on the BY variables that are in the reports in the open gallery. Thus, the filters that are available for selection might change each time a new gallery is selected for filtering.
4. Check the box next to the variable that you want to use to subset the reports in the gallery for viewing. For example, in the following display, all types of reports (performance reports and exception reports) are included in the subset if they contain the keyword "Top".

Display 3.23 Example of a Filter



*Note:* Applying filters does not modify the gallery. It only subsets the reports in the gallery for viewing. Therefore, the applied filters last only for the current instance of the gallery. The next time you access the gallery, you will see all of the reports in the gallery and you will be able to apply another set of filter criteria if necessary.

## Sort Reports

The column headings of the preview and grid views enable you to sort the reports by column. The default order is alphanumeric ascending order by report title, BY variables, and report generation date.

When you click a column heading in the preview and grid views, an up arrow (ascending) or down arrow (descending) icon appears. These arrows indicate whether the information in the columns is sorted by ascending or descending order. For example, when the down arrow (▼) is displayed in the column heading, then the information in that column is sorted by descending order. You can click the arrow in a column heading to change the sort order for that column.

The sort order that you designate is not preserved the next time you access the gallery. The sort order that you designate in each of the grid and preview gallery views are preserved when viewing a gallery if you navigate to other views and return to them.

*Note:* If a report does not have a value in one of the possible sort fields, then that report appears first in a list that is sorted in ascending order.

---

## E-Mail Reports

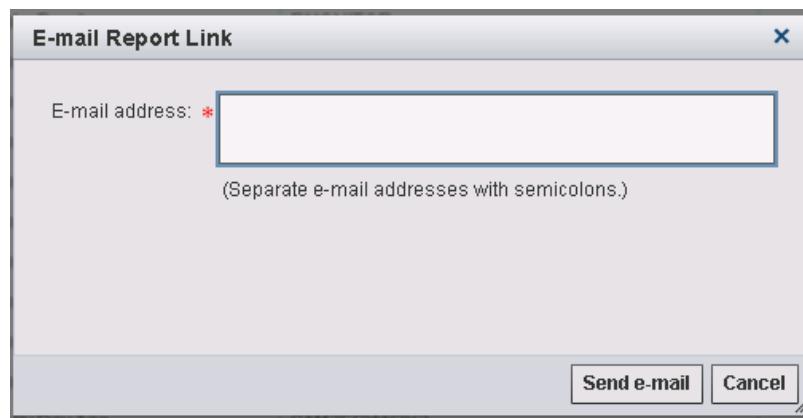
ITRM Report Center enables you to e-mail reports from the **Gallery** workspace. This enables you to share interesting or notable reports with colleagues for evaluation, analysis, or review.

The e-mails that ITRM Report Center generates include links to the reports that are stored in the SAS Content Server repository. Therefore, viewing reports via e-mail is successful only when sharing reports with other individuals within your enterprise who have network permissions to access the SAS Content Server.

To e-mail a report, perform the following steps:

1. Select one or more reports that you want to e-mail. (Reports can be selected from a gallery or an album.)
2. Click the Send E-mail icon (✉). The E-mail Report Link dialog box appears.

**Display 3.24** E-mail Report Link Dialog Box



3. In the **E-mail address** field, enter the e-mail addresses of the people to whom you are sending the reports. Separate multiple addresses with semi-colons.
4. Click **Send e-mail**.

*Note:* If the URL for a report has a space in it, a browser cannot render the report. To avoid this problem, copy the complete URL and paste it in the address bar of your browser.

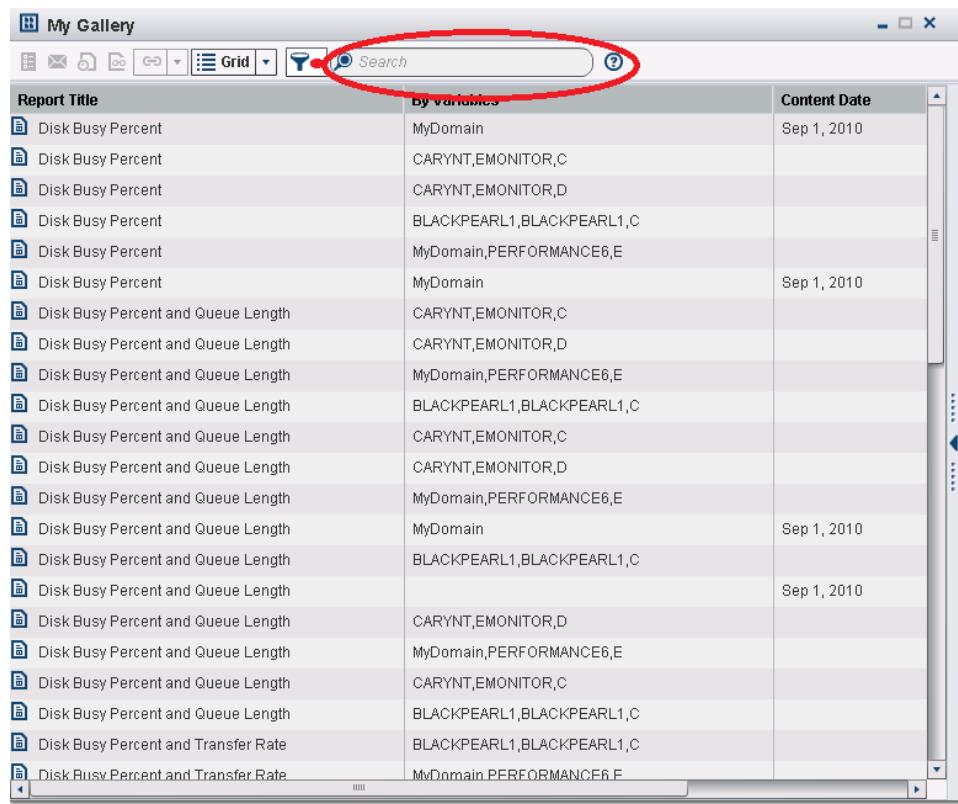
---

## Search a Folder, Gallery, or Album

To search a folder, gallery, or album, perform the following steps:

1. On the **Gallery** workspace, select the album or gallery that you want to search. Then click the **Open** box on the workspace bar. The album or gallery that you selected appears.

Display 3.25 Searching While Viewing a Gallery



The screenshot shows a 'My Gallery' window with a list of reports. The search bar at the top right is highlighted with a red circle. The reports are listed in a table with columns: Report Title, By variables, and Content Date. The 'Report Title' column contains various disk-related metrics like 'Disk Busy Percent' and 'Disk Busy Percent and Queue Length'. The 'By variables' column lists domain names and computer names. The 'Content Date' column shows dates like 'Sep 1, 2010'.

Report Title	By variables	Content Date
Disk Busy Percent	MyDomain	Sep 1, 2010
Disk Busy Percent	CARYNT,EMONITOR,C	
Disk Busy Percent	CARYNT,EMONITOR,D	
Disk Busy Percent	BLACKPEARL1,BLACKPEARL1,C	
Disk Busy Percent	MyDomain,PERFORMANCE6,E	
Disk Busy Percent	MyDomain	Sep 1, 2010
Disk Busy Percent and Queue Length	CARYNT,EMONITOR,C	
Disk Busy Percent and Queue Length	CARYNT,EMONITOR,D	
Disk Busy Percent and Queue Length	MyDomain,PERFORMANCE6,E	
Disk Busy Percent and Queue Length	BLACKPEARL1,BLACKPEARL1,C	
Disk Busy Percent and Queue Length	CARYNT,EMONITOR,C	
Disk Busy Percent and Queue Length	CARYNT,EMONITOR,D	
Disk Busy Percent and Queue Length	MyDomain,PERFORMANCE6,E	
Disk Busy Percent and Queue Length	MyDomain	Sep 1, 2010
Disk Busy Percent and Queue Length	BLACKPEARL1,BLACKPEARL1,C	
Disk Busy Percent and Queue Length	CARYNT,EMONITOR,D	
Disk Busy Percent and Queue Length	MyDomain,PERFORMANCE6,E	
Disk Busy Percent and Queue Length	CARYNT,EMONITOR,C	
Disk Busy Percent and Queue Length	BLACKPEARL1,BLACKPEARL1,C	
Disk Busy Percent and Transfer Rate	BLACKPEARL1,BLACKPEARL1,C	
Disk Busy Percent and Transfer Rate	MyDomain,PERFORMANCE6,E	

2. The reports that contain the text are displayed.

*Note:* In some instances, a BY variable might not contain a value. If so, the text **missing** appears as the value.

You can also perform a search before you select the folder, album, or gallery that you want to work with.

1. On the **Gallery** workspace, locate the **Search: My Galleries and Albums** field.

Display 3.26 Search: My Galleries and Albums



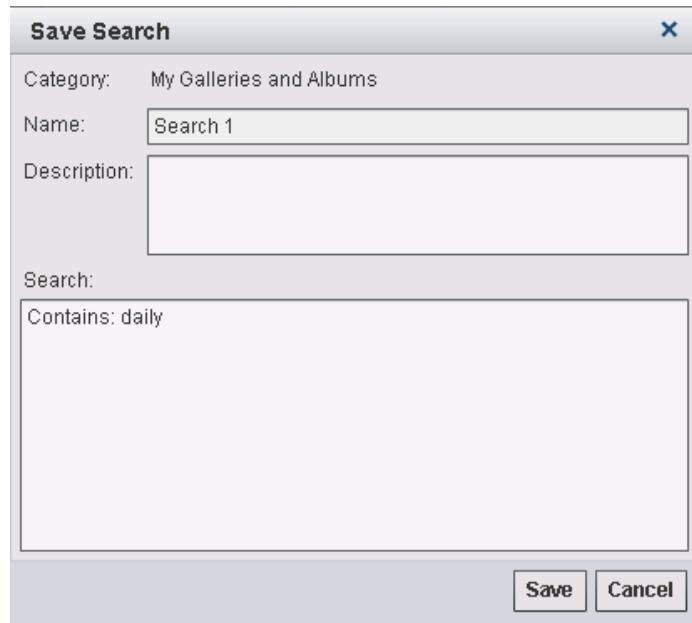
The screenshot shows the 'My Galleries and Albums' search interface. The search bar at the top right is highlighted with a red circle. The search bar contains the text 'Search: My Galleries and Albums'. Below the search bar is a toolbar with various icons for file operations like Open, Save, and Print.

2. Enter the text that you want to locate in the **Search: My Galleries and Albums** field.

The reports that contain the text are displayed immediately.

3. (Optional) You can save your search criteria by clicking **Save Search**. The Save Search dialog box appears.

Display 3.27 Save Search Dialog Box

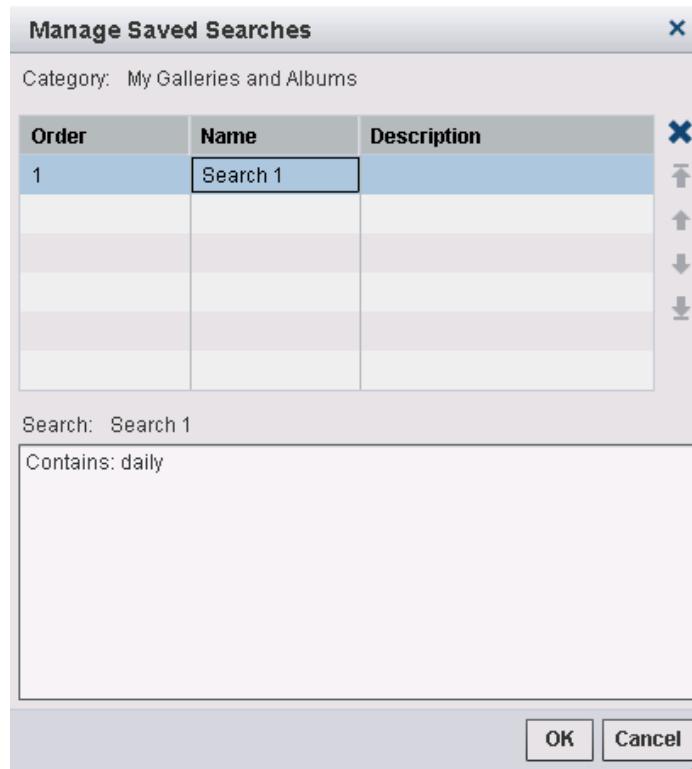


*Note:* IT Report Center administrators can search from a user's search field (**My Galleries and Albums**).

Enter a value in the **Name** field. (Search $n$  is the default name.) You can also enter a description of the search. Then click **Save**.

4. To manage your saved searches, click the down arrow next to **Save Search**. From the list that appears, select **Manage Saved Searches**. The Manage Saved Searches dialog box appears.

Display 3.28 Manage Saved Searches Dialog Box



*Note:* In the preceding display, daily reports were searched for.

In this dialog box, you can change the order in which the saved searches are performed by using the up and down arrows. Click **OK** to return to the **Gallery** workspace.

# Chapter 4

# The Resource Workspace

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---

## Overview of the Resource Workspace

The **Resource** workspace presents a hierarchical view of the resources that are contained on the SAS Content Server. The **Resource** workspace can be accessed from the **Gallery** and **Home** workspaces.

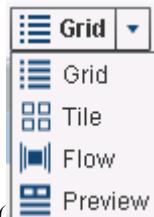
Here is an example of the workspace:

**Display 4.1** *Resource Workspace*

When viewing a report in the **Gallery** or **Home** workspace, you might want to see

related reports. To do so, click the Show Related Reports icon (  ) on the workspace bar. The **Resource** workspace appears. All the reports with the same set of resource BY variables are displayed in a new gallery on the **Resource** workspace.

The **Resource** workspace displays the reports about the resources in grid format. To



view the reports in another format, click the Report Views icon ( ) on the workspace bar. Select the type of view that you want to see.

The **Resource** workspace is accessible only to users who log on the ITRM Report Center as members of groups that are members of the IT Resource Management: User or the IT Resource Management Administrators group.

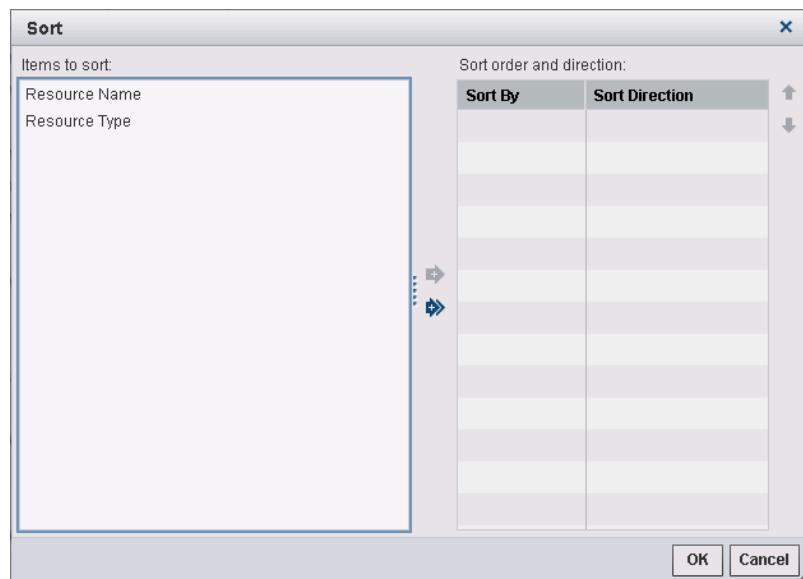
*Note:* For more information about how to access ITRM Report Center and the purposes of the roles, capabilities, and user groups that are associated with the application, see “[Accessing ITRM Report Center](#)” on page 6.

## About the Resource Workspace

The main features of the **Resource** workspace are accessed from the workspace bar. The workspace bar of the **Resource** workspace contains the following icons:

- updates the window with the latest information.
- displays all the resources on this window.
- lists only information that pertains to the first resource name. Reports with multiple resource names are hidden.
- sorts the content on this workspace by **Resource Name** or **Resource Type**. The Sort dialog box appears as shown in the following display.

**Display 4.2** Sort Dialog Box

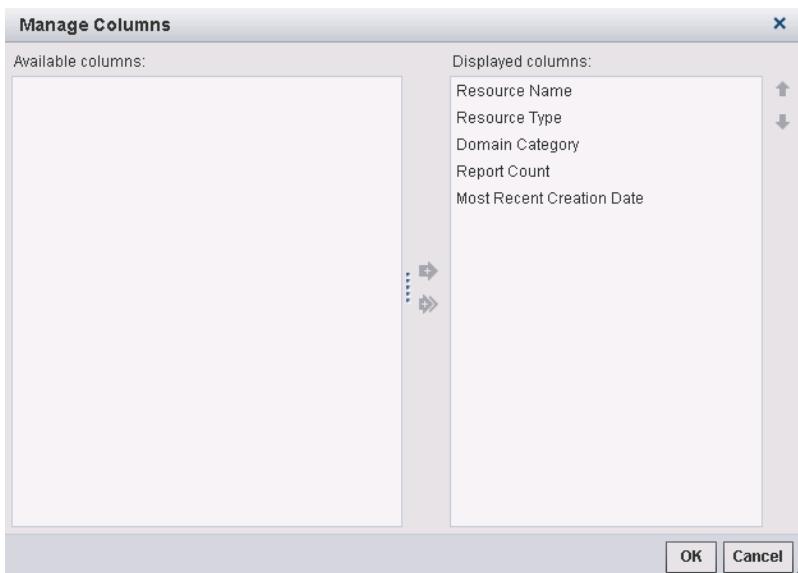


You can sort in ascending or descending order by **Resource Name** or **Resource Type**. Use the right and left arrows to move a selected sort item to the Sort By column. The columns are sorted in ascending order by default. To change the sort order, click the **Sort Direction** field for the item that you want to sort. Then click the order that you want to sort by. Then click **OK**.

**TIP** You can change the sort order of the selected items by using the up and down arrows on the right side of the column.

-  changes the information that is displayed on the window. The Manage Columns dialog box appears, as shown in the following display.

**Display 4.3** *Manage Columns Dialog Box*



The previous dialog box shows that the **Resource** workspace is displaying the Resource Name, Resource Type, Domain Category, Report Count, and Most recent Creation Date by default. To remove any of these columns from the workspace, select it and then use the arrows to move that column to the **Available columns** list.

*Note:* This change persists from one session to the next.

- The **Open** menu () displays these options for a selected

resource:

- Click **Open** to display the reports for that resource. The reports appear as a gallery using the default grid view.

Reports that pertain to a selected resource might exist in multiple root locations. If a user belongs to several root locations, all the reports (across all the root locations to which the user belongs) are displayed.

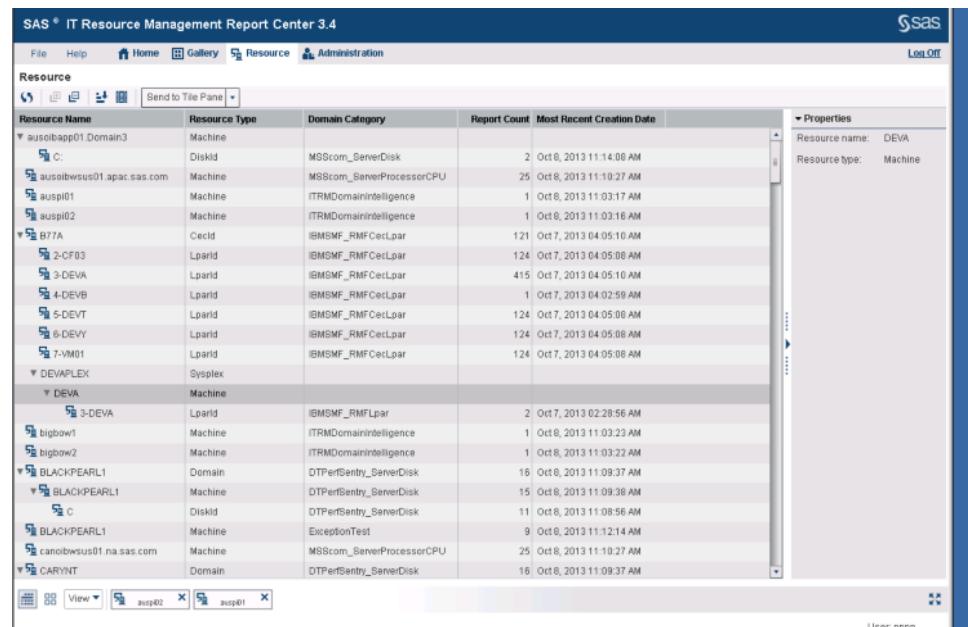
Reports with partially matching nodes are merged when displayed. For example, suppose there are two sets of reports. One set of reports has only one variable. The other set has two variables. (One of these variables matches the variable of the first set of reports.) When displayed, the two resource hierarchies are merged

into one hierarchy. That is, both sets of reports are displayed under the variable that was common to both sets of reports.

*Note:* If the number of reports seems incorrect, refresh the cache for the root location. This can be done by a SAS administrator on the **Administration** workspace.

In the following display, the B77A resource was selected on the workspace that was displayed in the “Overview of the Resource Workspace” topic.

**Display 4.4 Example of the List of Reports by Resource Action**



The screenshot shows the SAS IT Resource Management Report Center 3.4 interface. The main window displays a list of resources in a table format. The columns are: Resource Name, Resource Type, Domain Category, Report Count, and Most Recent Creation Date. The table includes rows for various machines and domains, such as aus01bapp01.Domain3, aus01bwus01.apac.sas.com, ausp01, ausp02, B77A, and DEVAPLEX. The B77A resource is selected, as indicated by a highlighted row. The Properties pane on the right shows the selected resource's details: Resource name: B77A and Resource type: Machine. The bottom of the window features a toolbar with icons for Add, Send to Tile Pane, and a search bar containing 'ausp01'.

*Note:* The name of the resource (in this example, “B77A”) appears in the tray at the bottom of the workspace. It also appears at the top of the page above the workspace bar.

- Click **Add** to open the item in the current layout.

*Note:* This option appears only if an object is in the tile view in the tray at the bottom of the window.

- Click **Send to Tile Pane** to add the selected resource to the location at the bottom of the page.

For example, in the following display, the selected resource is **EMONITOR**.

Display 4.5 Example of the Send to Tile Action

SAS® IT Resource Management Report Center 3.4

File Help Home Gallery Resource Administration Log Off

Resource

Send to Tile Pane

Resource Name Resource Type Domain Category Report Count Most Recent Creation D...

ausoilbapp01.Domain3 Machine MSScom\_ServerProcessorCPU 25 Oct 8, 2013 11:10:27 AM

ausoilwsus01.apac.sas.com Machine ITRMDomainIntelligence 1 Oct 8, 2013 11:03:17 AM

auspi01 Machine ITRMDomainIntelligence 1 Oct 8, 2013 11:03:16 AM

auspi02 Machine ITRMDomainIntelligence 1 Oct 8, 2013 11:03:16 AM

B77A Cecid IBMSMF\_RMFCecLpar 121 Oct 7, 2013 04:05:10 AM

bigbow1 Machine ITRMDomainIntelligence 1 Oct 8, 2013 11:03:23 AM

bigbow2 Machine ITRMDomainIntelligence 1 Oct 8, 2013 11:03:22 AM

BLACKPEARL1 Machine ExceptionTest 9 Oct 8, 2013 11:12:14 AM

BLACKPEARL1 Domain DTPerfSentry\_ServerDisk 16 Oct 8, 2013 11:09:37 AM

canoilwsus01.na.sas.com Machine MSScom\_ServerProcessorCPU 25 Oct 8, 2013 11:10:27 AM

CARYNT Domain DTPerfSentry\_ServerDisk 16 Oct 8, 2013 11:09:37 AM

DEVAPLEX Sysplex

ecsun4 Machine ITRMDomainIntelligence 1 Oct 8, 2013 11:03:13 AM

emembix02.Domain2 Machine ITRMDomainIntelligence 1 Oct 8, 2013 11:03:13 AM

EMONITOR Machine ExceptionTest 9 Oct 8, 2013 11:12:14 AM

FB22 Cecid IBMSMF\_RMFCecLpar 44 Oct 7, 2013 03:52:52 AM

fradc11.Domain2 Machine ITRMDomainIntelligence 1 Oct 8, 2013 11:08:26 AM

geroilbapp01.Domain2 Machine MSScom\_ServerDisk 1 Oct 8, 2013 11:12:14 AM

GOLDFINGER4 Machine ExceptionTest 9 Oct 8, 2013 11:12:14 AM

GREENBACK Machine ExceptionTest 9 Oct 8, 2013 11:12:14 AM

indolbapp01.Domain3 Machine MSScom\_ServerDisk 1 Oct 8, 2013 11:08:26 AM

ITSTRM1 Machine ExceptionTest 9 Oct 8, 2013 11:12:14 AM

Inxbld005 Machine ITRMDomainIntelligence 1 Oct 8, 2013 11:03:19 AM

Properties

Resource name: EM

Resource type: Ma

Report count: 9

Most recent creation date: Oct

Domain category: Ex

View, B77A, EMONITOR, X

Using the **Send to Tile** feature makes it easier to compare the resources. Clicking both the tiles causes them to display as a tile gallery in the same workspace, as shown in the following display. Alternatively, select **View**  $\Rightarrow$  **Show All Items** to view the resources as a tile gallery.

Display 4.6 Comparison of Two Resource Lists in the Same Workspace

SAS® IT Resource Management Report Center 3.4

File Help Home Gallery Resource Administration Log Off

B77A

Report Title By Variables Content Date

Lpar CPU Busy Percent by Engine Type B77A Sep 1, 2010

Lpar CPU Busy Percent for the Cec B77A Sep 1, 2010

Lpar CPU Busy Percent for the Cec B77A Sep 1, 2010

Lpar CPU Busy Percent for the Cec B77A Aug 1, 2010

Lpar CPU Busy Percent for the Cec B77A Aug 1, 2010

Lpar CPU Busy Percent for the Cec B77A Sep 1, 2010

Lpar CPU Busy Percent for the Cec B77A Aug 1, 2010

Lpar CPU Busy Percent for the Cec B77A Aug 22, 2010

Lpar CPU Busy Percent for the Cec B77A Sep 1, 2010

Lpar CPU Busy Percent for the Cec B77A Aug 22, 2010

Lpar CPU Hardware Mips B77A Aug 22, 2010

Lpar CPU Hardware Mips Across All Engines for the Ci B77A Aug 22, 2010

Lpar CPU Hardware Mips Across All Engines for the Ci B77A Aug 1, 2010

Lpar CPU Hardware Mips Across All Engines for the Ci B77A Aug 1, 2010

Lpar CPU Hardware Mips Across All Engines for the Ci B77A Aug 22, 2010

Lpar CPU Hardware Mips Across All Engines for the Ci B77A Sep 1, 2010

Lpar CPU Hardware Mips Across All Engines for the Ci B77A Sep 1, 2010

Lpar CPU Hardware Mips Across All Engines for the Ci B77A Aug 1, 2010

Lpar CPU Hardware Mips for the Cec B77A Sep 1, 2010

Lpar CPU Hardware Mips for the Cec B77A Sep 1, 2010

EMONITOR

Report Title By Variables Content Date Generation Date

Constant for DTPerfSentry Day Agg EMONITOR Oct 8, 2013 11:11:36...

Constant for DTPerfSentry Day Agg EMONITOR Oct 8, 2013 11:12:13...

FreeForm for DTPerfSentry Day Agg EMONITOR Oct 8, 2013 11:12:13...

Other DTPerfSentry Day Agg EMONITOR Oct 8, 2013 11:11:36...

Other DTPerfSentry Day Agg EMONITOR Oct 8, 2013 11:12:13...

Range for DTPerfSentry Day Agg EMONITOR Oct 8, 2013 11:12:13...

Range for DTPerfSentry Day Agg EMONITOR Oct 8, 2013 11:11:36...

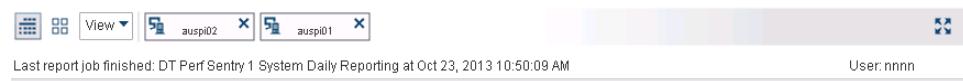
Stats DTPerfSentry Day Agg EMONITOR Oct 8, 2013 11:11:36...

Stats DTPerfSentry Day Agg EMONITOR Oct 8, 2013 11:12:13...

View, B77A, EMONITOR, X

*Note:* Any number of resource groups can be displayed as tiles at the same time in the workspace. However, legibility of the images might be impaired if more than nine resource groups are included in the view.

The following display shows the tray at the bottom of the **Resource** workspace.

**Display 4.7** Resource Workspace Tray

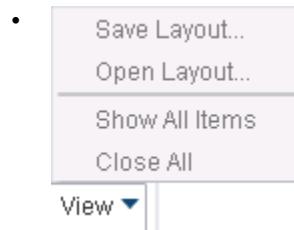
It contains these objects:



Click the View Object List icon to display all the objects in the **Resource** workspace. (This icon toggles with the View Layout icon.)



Click the View Layout icon to bring focus to opened tile galleries. (This icon toggles with the View Object List icon.)



Click the **View** button to display these options:

- **Save Layout**

Select this item to open the Save Layout dialog box.

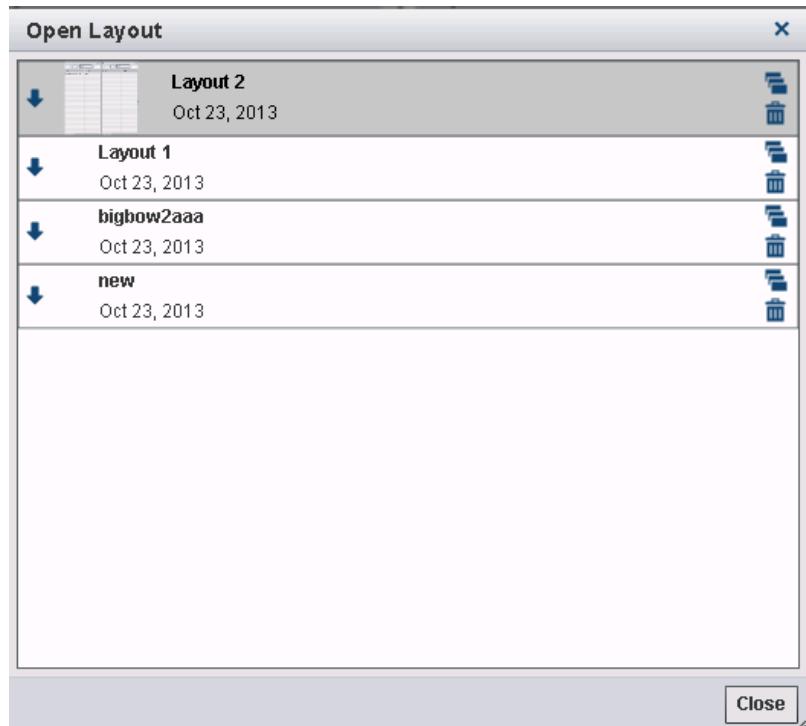
**Display 4.8** Save Layout Dialog Box

This dialog box displays identifying information about the layout: name, date of creation, workspace, and items contained in the layout. You can change the **Name** of the layout. The **Name** field can contain any type and number of characters. Click **Save** to save the layout and return to the workspace view.

- **Open Layout**

Select this item to open the Open Layout dialog box.

Display 4.9 Open Layout Dialog Box



Click the Open Layout icon (  ) to display the selected layout.



Click the Delete Layout icon (  ) to remove the selected layout.



Click the down arrow next to the layout to show the details of that layout.

- **Show All Items**

Select this item to display all the tiles that are shown in the tray of the **Resource** workspace. The resources are displayed in the form of a gallery.

- **Close All**

Select this item to remove all tiles from the tray of the **Resource** workspace.



Click the Maximize View icon to enlarge the view by removing the banner and the status bar. (This icon toggles to maximize and normalize the view.)

- The name or ID of the user appears next to the **User** field.

Several features that are described for the **Gallery** workspace are also available for use in the **Resource** workspace. The following features are available for both workspaces:

- “Search a Folder, Gallery, or Album” on page 45
- “E-Mail Reports” on page 45
- “Sort Reports” on page 44
- “Filter Reports” on page 42

Similarly, workspace navigation options that are described for the **Resource** workspace are also available for use in the **Gallery** workspace. These features are the **Open**, **Add**, **Send to Tile**, and **Workspace Tray** that are described in the “About the Resource Workspace” topic in this chapter. For more information, see [“About the Resource Workspace” on page 50](#).

# Chapter 5

# The Administration Workspace

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## Overview of the Administration Workspace

The **Administration** workspace is accessible to users who log on to ITRM Report Center as members of the IT Resource Management Administrators group. Here is an example of the workspace.

*Display 5.1 Administration Workspace*

The screenshot shows the SAS IT Resource Management Report Center 3.4 Administration workspace. The top navigation bar includes File, Help, Home, Gallery, Resource, Administration, Log Off, and a 'Manage Content' link. Below the navigation is a 'Content server locations' section with a table:

Location	Description
/SASContentServer/repository/default/sasdav/ITRM	Test Purge and Refresh
/SASContentServer/repository/default/sasdav/TestLocation	

Buttons for Create Location, Purge Reports, and Refresh Cache are located at the bottom of this section. Below this is an 'Assign location to user group:' section with a table:

User group	Location
Custom ITRM Report Center Users 123	/SASContentServer/repository/default/sasdav/TestLocation2
IT Resource Management Users	/SASContentServer/repository/default/sasdav/ITRM
ITRM Report Center Viewers (SASUSERS)	/SASContentServer/repository/default/sasdav/ITRM

A 'Change Location' button is located at the bottom of this table. At the very bottom of the page, a 'User:nnnn' placeholder is visible.

*Note:* For more information about how to access ITRM Report Center and the purposes of the roles, capabilities, and user groups that are associated with the application, see “[Accessing ITRM Report Center](#)” on page 6

---

## About the Administration Workspace

### Administration Workspace Tasks

The IT Resource Management administrator has access to all locations of the SAS Content Server. On the **Administration** workspace, an administrator can perform the following tasks:

- View folders and reports that are stored in the SAS Content Server.
- Create SAS Content Server locations for reports.
- Assign SAS Content Server locations for access by groups that are members in the IT Resource Management: User role and the IT Resource Management: Report Center Group role.

SAS Content Server locations can also be shared with users who are Authenticated SASUsers (as denoted by ITRM Report Center Viewers [SASUSERS]) groups.

- Purge reports from the SAS Content Server.
- Refresh the cache of the SAS Content Server.

*Note:* If a new group is created but is not yet assigned with a SAS Content Server location, a user from that group can still access to reports in the SAS Content Server locations that are available to the IT Report Center Viewers (SASUSERS) group.

For more information, see the “Administrative Tasks” chapter in the *SAS IT Resource Management 3.4: Reporting Guide*.

*Note:* Members of the IT Resource Management Administrators group have access to this and all other Report Center workspaces. SAS administrators (members of the Metadata Server: Unrestricted role) can access only the ITRM Report Center **Administration** workspace. They cannot access the other workspaces of ITRM Report Center.

### Working with Multiple SAS Content Server Locations

By default, SAS IT Resource Management reports are written to `<Middle-Tier-Server-Name>/SASContentServer/repository/default/sasdav/ITRM`. All users of ITRM Report Center have access to this location.

Your site might want to create multiple locations to which IT Resource Management reports are written. Creating multiple locations enables you to control access to those reports by using SAS metadata-based application groups. To assign a group to a SAS Content Server location, that group must be a member of the IT Resource Management: Report Center Group role.

For more detailed information about how to create and assign access to SAS Content Server locations that are used by SAS IT Resource Management, see the “Administrative Tasks” chapter in the *SAS IT Resource Management 3.4: Reporting Guide*.

If a user requires access to multiple SAS Content Server locations, then that user must be a member of the IT Resource Management User groups to which those SAS Content Server locations are assigned for access.

# Appendix 1

## Report Properties

---

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---

### Report Properties of Performance Reports

The expanded list of report properties of a selected report is displayed if you click the

 Properties icon (  ) in the **Gallery** workspace. Here is the expanded list of the report properties of performance reports:

- Report Title
- Domain Category
- Domain Subcategory
- Report Type (list of BY variables such as Date, Machine, and so on)
- Keywords
- Schedule Frequency
- IT Data Mart Name
- Job Name
- Data Source
- Data Path

*Note:* If you stored the data path with the report definition, it is available. (The Data Path is not available with supplied reports.)

- Process Flow
- Transformation Name
- Report Definition
- Report Author
- Expire After
- Report URL

*Note:* Some properties might not appear if they were not defined by the user.

---

## Report Properties of Exception Reports

The expanded list of report properties of a selected report is displayed if you click the



Properties icon ( ) in the **Gallery** and **Resource** workspaces. Here is the expanded list of report properties for exception reports:

- Domain Category
- Domain Subcategory
- Report Type
- Keywords
- Schedule Frequency
- IT Data Mart Name
- Job Name
- Data Source
- Data Path
- Transformation Name
- Report Author
- Expire After
- Report URL

*Note:* Some properties might not appear if they were not defined by the user.

---

## Abbreviated List of Report Properties

Here is the abbreviated list of the report properties. This shorter list of properties of a selected report are displayed in the right pane of the **Gallery** and **Resource** workspaces:

- Report Title
- Domain Category
- Domain Subcategory
- Report Type (list of BY variables such as Date, Machine, and so on)
- Keywords
- Schedule Frequency
- Content Date
- Generation Date

*Note:* Some properties might not appear if they were not defined by the user.

# Appendix 2

# Sample Reports

---

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---

## About Sample Reports

During the SAS IT Resource Management installation, multiple sample reports are stored in the SAS Content Server. These reports provide examples of the different types of reports that SAS IT Resource Management can create. They also enable you to practice using ITRM Report Center before you have generated your own reports.

SAS IT Resource Management provides 30 sample performance reports and 4 sample exception reports. These samples include various plots and charts that demonstrate how your reports might look when you begin working with SAS IT Resource Management. Each sample report also includes a combination of BY variables.

As shown in the following display, the sample reports are stored in the SAS Content Server in the `/sasdav/ITRM/SampleReports` folder.

**Display A2.1 Samples Folder in the SAS Content Server**

The screenshot shows a web browser window with the title "Jackrabbit 2.4.0 /default/sasday/ITRM/SampleReports". The main content area displays a list of sample reports, each with a blue link. The reports include: SampleReports SNMP IFInterface, SampleReports Weblog ServerActivity, SampleReportsSMF DB2, SampleReportsSMF RMFSystem, SampleReports VMware HostSystem, SampleReportsSMF RMFWorkload, SampleReports DTPerfSentry ServerSystem, SampleReports SNMP IF, SampleReports SAR System, SampleReports MSScom ServerSystem, System Daily Exceptions A5SSGP64.BQ0001KQ, and SampleReports HPPerfAgent SystemUnix. At the bottom of the page, a footer states "Powered by *Jackrabbit* version 2.4.0".

Administrators can access this folder from the **Administration** workspace of ITRM Report Center. To do so, click the **Open SCS Viewer Console** button and navigate to **/default/sasday/ITRM/SampleReports**.

The sample performance and exception reports each include the **DomainCategory ITRMDomainIntelligence** so that you can identify and work with them in ITRM Report Center. The reports also include additional BY variables that you can use as filters in ITRM Report Center.

To distinguish the performance reports from the exception reports, the sample reports use the **Keyword** attribute as follows:

- The sample performance reports each include the keyword **Performance**.
- The sample exception reports each include the keyword **Exception**.

This enables you to identify and work with the reports in ITRM Report Center.

The following two topics explain how to create separate galleries for sample performance and sample exception reports. If you want a single gallery for all sample reports, follow the instructions here, but do not specify a **Keyword**.

---

## Create a Gallery of Sample Performance Reports in ITRM Report Center

To create a gallery of these sample performance reports, perform the following steps:

1. Open ITRM Report Center.
2. In the **Gallery** workspace, click the New icon (). Select **New Gallery**.
3. Enter a **Name** and **Description** for the new gallery.
4. Click **Next**.
5. Click the arrow next to **DomainCategory** to expand the folder.  
Select **ITRMDomainIntelligence** and click the right arrow to move this selection to the **Selected Items** list.
6. Click the arrow next to **Keywords** to expand the folder.  
Select **Performance** and click the right arrow to move this selection to the **Selected Items** list.
7. Click **Next** to display the Secondary Filters page of the wizard. On this page, you can click **Finish** to create the gallery.

*Note:* All sample performance reports include the domain category **ITRMDomainIntelligence** and the keyword **Performance**. If this domain category and this keyword do not appear as available options in your ITRM Report Center session, then the sample performance reports are no longer on your SAS Content Server. Contact your systems administrator for assistance.

*Note:* Sample reports can be deleted from the SAS Content Server by the administrator. For more information, see the “Administrative Tasks” chapter in the *SAS IT Resource Management 3.4: Reporting Guide*.

## Create a Gallery of Sample Exception Reports in ITRM Report Center

To create a gallery of sample exception reports, perform steps 1 – 5 as shown in the preceding process to create sample performance reports. Then for step 6, click the arrow next to **Keywords** to expand the folder. Select **Exception** and click the right arrow to move this selection to the **Selected Items** list.

Click **Next** to display the Secondary Filters page of the wizard. On this page, you can click **Finish** to create the gallery.

*Note:* All sample exception reports include the domain category **ITRMDomainIntelligence** and the keyword **Exception**. If this domain category and keyword do not appear as available options in your ITRM Report Center session, then the sample exception reports are no longer on your SAS Content Server. Contact your systems administrator for assistance.



## Appendix 3

# Troubleshooting Problems in ITRM Report Center

---

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---

## **Using Two Open Sessions of ITRM Report Center on a Single Workstation**

Several web browsers support a feature that merges multiple open sessions. This feature shares cookies, log on credentials, and preferences among all open sessions of the browser. If your workstation has multiple sessions of ITRM Report Center open with different log on credentials, then the actions that you perform in one session might affect what you see in the other open sessions.

To open separate sessions on your workstation using different log on credentials, you can disable the session merge feature on your web browser. See your web browser documentation for instructions on how to open separate sessions that do not share cookies or preferences.

---

## Static Image Is the Expected Image for Tabular Reports

*Display A3.1 Static Image*



The preceding image is displayed for tabular reports. Click the static image to view the tabular report.

---

## Location of ITRM Report Center Log

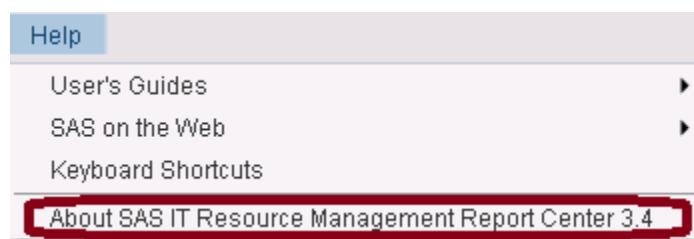
The ITRM Report Center log is located in the SAS middle tier server at  
`YoursASConfigFolder\Lev1\web\Logs`  
`\SASServer10_1\ITRMReportCenter3.4.log`. If errors are reported in the log, save a copy of the log and contact SAS Technical Support.

---

## Configuration Details

When reporting problems to SAS Technical Support, include information about your configuration. To access the Configuration Details window, select **Help** in the workspace bar. The **Help** menu appears:

*Display A3.2 List of Help Menu Items*



Select **About SAS IT Resource Management Report Center 3.4** to open the Configuration Details window.

### ***Display A3.3 Configuration Details Window***



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