One Identity Manager 8.1.1

Report Subscriptions Administration Guide
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Legend

⚠️ WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death.

⚠️ CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

.StartsWith() IMPORTANT, NOTE, TIP, MOBILE, or VIDEO: An information icon indicates supporting information.

One Identity Manager Report Subscriptions Administration Guide
Updated - August 2019
Version - 8.1.1
Report subscriptions in the One Identity Manager

One Identity Manager provides several reports that present information about objects and their relations to other objects in the One Identity Manager database. For example, there are reports about employees and their user accounts, company structures, resources, and system entitlements, attestation, and compliance rule violations integrated into the One Identity Manager. Identification, analysis, and summaries of relevant data are supported with the help of these reports.

Web Portal users request subscribable reports and configure their own personal report subscriptions. The reports are delivered to Web Portal users by email as specified in a personally configured schedule.

The One Identity Manager components for report subscriptions are available when the "QER/RPS" configuration parameter is set.

- Check whether the configuration parameter is set in the Designer. Otherwise, set the configuration parameter and compile the database.
- Other configuration parameters are installed when the module is installed. Check the configuration parameters and modify them as necessary to suit your requirements.

Detailed information about this topic

- Report overview on page 5
- One Identity Manager users for providing reports and report subscriptions on page 7
- Providing subscribable reports for Web Portal users on page 9
- Creating and editing subscribable reports on page 11
- Sending subscribed reports on page 36
- Appendix: Configuration parameters for subscribable reports on page 38

Report overview

The following components work together to create reports and make them available.
Figure 1: Connection between Reports, Subscribable Reports and Report Subscriptions

Reports in the Report Editor

Create and edit reports in the Report Editor. Predefined reports are supplied with the One Identity Manager by default. You can also send reports to specified email addresses using scheduled subscriptions. You can create reports for the current state or over a specified period (change history). You can set up several subscribable reports for each report. You can also view reports using One Identity Manager administration tools, for example, the Manager.

Subscribable reports in the Manager

Set up and edit subscribable reports in the Manager. When you set up a subscribable report, enter the underlying report, either a default report or a custom report created with the Report Editor. Assign subscribable reports to employees through company organizations or the IT Shop. Web Portal users can request subscribable reports and configure their own personal report subscriptions.

Report subscriptions in the Web Portal

Web Portal users request subscribable reports and configure their own personal report subscriptions. When Web Portal users set up a subscribable report, they enter the underlying report. The reports are delivered to users by email as specified in a personally configured schedule.

The report subscriptions and schedules are shown in the Manager where any technical problems can be solved.

Related topics

- Providing subscribable reports for Web Portal users on page 9
- Creating and editing subscribable reports on page 11
One Identity Manager users for providing reports and report subscriptions

The following users are used for providing and using reports and report subscriptions in the One Identity Manager.

<table>
<thead>
<tr>
<th>Users</th>
<th>Task</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report designer</td>
<td>• Creating and editing reports in the Report Editor.</td>
</tr>
<tr>
<td></td>
<td>• Creating report parameters in the Report Editor and configuring predefined values.</td>
</tr>
<tr>
<td>One Identity Manager administrator</td>
<td>• Create customized permissions groups for application roles for role-based login to administration tools in Designer as required.</td>
</tr>
<tr>
<td></td>
<td>• Create system users and permissions groups for non-role-based login to administration tools in Designer as required.</td>
</tr>
<tr>
<td></td>
<td>• Enable or disable additional configuration parameters in Designer as required.</td>
</tr>
<tr>
<td></td>
<td>• Create custom processes in Designer as required.</td>
</tr>
<tr>
<td></td>
<td>• Create and configures schedules as required.</td>
</tr>
<tr>
<td></td>
<td>• Create and configure password policies as required.</td>
</tr>
</tbody>
</table>

Report administrator

Administrators must be assigned to **Identity & Access Governance | Company policies | Report Subscriptions**.

Users with this application role:

- Create subscribable reports from existing reports.
- Configure report parameters for subscribable reports.
- Assign subscribable reports to employees, company structures or IT Shop shelves.
- Create custom mail templates for sending subscribed reports by email.

Product owner for the IT Shop

Product owners must be assigned to the **Request & Fulfillment | IT Shop | Product owner** application role or a child application role.
<table>
<thead>
<tr>
<th>Users</th>
<th>Task</th>
</tr>
</thead>
<tbody>
<tr>
<td>Users with this application role:</td>
<td></td>
</tr>
<tr>
<td>• Approve through requests.</td>
<td></td>
</tr>
<tr>
<td>• Edit service items and service categories under their management.</td>
<td></td>
</tr>
<tr>
<td>The default application role Request &amp; Fulfillment</td>
<td>IT Shop</td>
</tr>
<tr>
<td>Web Portal users</td>
<td>• Creates personal report subscriptions in the Web Portal.</td>
</tr>
<tr>
<td></td>
<td>• Set up personal schedules for delivering subscribed reports.</td>
</tr>
</tbody>
</table>
Providing subscribable reports for Web Portal users

In the default installation there are predefined reports available, which users can subscribe to in the Web Portal. You can also create new reports or make copies of predefined reports to modify.

To provide Web Portal users with a subscribable report

1. Create the report with the Report Editor.
2. Prepare a subscribable report in Manager.
   a. Create a subscribable report.
   b. Assign the subscribable report to employees in the Manager.
      - Assign the subscribable report to IT Shop shelves so that Web Portal users can request subscribable reports.
      - Assign subscribable reports to company structures or directly to individual employees. Web Portal users can set up their personal report subscriptions without requesting a subscribable report first.
3. Web Portal users request subscribable reports and configure their own personal report subscriptions.
Figure 2: Providing Reports Workflow

**Report Editor**
- Define the reports

**Manager**
- Prepare reports for subscription
- Assign subscribable reports to company structures, employees, or the IT Shop

**Web Portal**
- Request the reports

**Related topics**
- Creating and editing subscribable reports on page 11
- Adding subscribable reports to IT Shop on page 31
- Assigning subscribable reports to employees on page 29
- Assigning subscribable reports to business roles on page 30
- Assigning subscribable reports to departments, cost centers, and locations
- Assigning subscribable reports directly to employees on page 33
- One Identity Manager Configuration Guide
- One Identity Manager Web Portal User Guide
Creating and editing subscribable reports

In the default installation there are predefined reports available to which Web Portal users can subscribe. You can also create new reports or make copies of predefined reports to modify. All the reports available to Web Portal users for subscription are those you have set up in the Report Editor. You can set up several subscribable reports with different parameters for each report.

The One Identity Manager components for report subscriptions are available when the "QER/RPS" configuration parameter is set.

- Check whether the configuration parameter is set in the Designer. Otherwise, set the configuration parameter and compile the database.
- Other configuration parameters are installed when the module is installed. Check the configuration parameters and modify them as necessary to suit your requirements.

Detailed information about this topic

- Basic data for subscribable reports on page 11
- Editing subscribable reports on page 20
- Creating simple reports on page 22
- Report parameters on page 24
- Assigning subscribable reports to employees on page 29

Basic data for subscribable reports

The following basic data is relevant to providing subscribable reports in One Identity Manager.

- Configuration parameters
  Use configuration parameters to configure the behavior of the system’s basic settings. One Identity Manager provides default settings for different configuration
parameters. Check the configuration parameters and modify them as necessary to suit your requirements.

Configuration parameters are defined in the One Identity Manager modules. Each One Identity Manager module can also install configuration parameters. You can find an overview of all configuration parameters in Base data | General | Configuration parameters in Designer.

For more information, see Appendix: Configuration parameters for subscribable reports on page 38.

- Schedules
  Each user specifies their personalized schedule for sending subscribed reports in the Web Portal. One Identity Manager supplies some default schedules. For more information, see Report subscription schedules on page 12.

- Mail templates
  Mail templates are used to send reports subscribed in the Web Portal, to the subscribers. There are some mail templates available in the default installation that can be used for sending report. For more information, see Notification mail templates on page 15.

**Report subscription schedules**

Each user specifies their personalized schedule for sending subscribed reports in the Web Portal. Furthermore, One Identity Manager supplies the following schedules for report subscriptions by default.

- Daily report subscriptions
- Weekly report subscriptions
- Monthly report subscriptions
- Quarterly report subscriptions
- Bi-annual report subscriptions
- Annual report subscriptions

**IMPORTANT:** Do not change any schedules set up by users using the Web Portal.

**To edit schedules**

   The result list shows exactly those schedules configured for report subscriptions.
2. Select a schedule in the result list and run Change master data.
   – OR –
   Click in the result list.
3. Edit the schedule’s master data.
4. Save the changes.

Enter the following properties for a schedule.

Table 2: Schedule properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Schedule ID. Translate the given text using the button.</td>
</tr>
<tr>
<td>Description</td>
<td>Detailed description of the schedule. Translate the given text using the button.</td>
</tr>
<tr>
<td>Table</td>
<td>Table whose data can be used by the schedule. Schedules for report subscriptions must refer to the RPSSubscription table.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Specifies whether the schedule is enabled or not.</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> Only active schedules are run.</td>
</tr>
<tr>
<td>Time zones</td>
<td>Unique identifier for the time zone that is used for running the schedule. Choose between Universal Time Code or one of the time zones in the menu.</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong></td>
</tr>
<tr>
<td>Start (date)</td>
<td>The day on which the schedule should be run for the first time.</td>
</tr>
<tr>
<td>Validity period</td>
<td>Period within which the schedule is run.</td>
</tr>
<tr>
<td></td>
<td>- If the schedule will be run for an unlimited period, select the option Unlimited duration.</td>
</tr>
<tr>
<td></td>
<td>- To set a validity period, select the option Limited duration and enter the day the schedule will be run for the last time in End (date).</td>
</tr>
<tr>
<td>Occurs</td>
<td>Interval in which the task is run. Permitted interval types are Every minute, Hourly, Daily, Weekly, Monthly and Yearly. For the Weekly interval type, specify the precise weekday. For the Monthly interval type, specify the day of the month (1st to 31st day of the month). For the Yearly interval type, specify the day of the year (1st to 366th day of the year).</td>
</tr>
<tr>
<td>Property</td>
<td>Meaning</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> If the schedule is not going to be run until next month because the interval type is <strong>Monthly</strong> with sub interval <strong>29, 30</strong> or <strong>31</strong>, the last day of the current month is used. Example: A schedule that is run on the 31st day of each month is run on 30th April. In February, the schedule is run on the 28th (or 29th in leap year). Schedules with the interval type <strong>Yearly</strong> with sub interval <strong>366</strong> are only run in leap year.</td>
</tr>
<tr>
<td>Start time</td>
<td>Fixed start type for the <strong>Daily</strong>, <strong>Weekly</strong>, <strong>Monthly</strong> and <strong>Yearly</strong> interval types. Enter the time in local format for the chosen time zone. For the interval types <strong>Every minute</strong> and <strong>Hourly</strong>, the start time is calculated from the rate of occurrence and the interval type.</td>
</tr>
<tr>
<td>Repeat every</td>
<td>Rate of occurrence for running the schedule within the selected time interval. For the <strong>Weekly</strong> interval type, select at least one weekday.</td>
</tr>
<tr>
<td>Last planned run/Next</td>
<td>Execution time calculated by the DBQueue Processor. Execution times are recalculated whilst the schedule is running. The time of the next run is calculated from the interval type, rate of occurrence and the start time. <strong>NOTE:</strong> The One Identity Manager provides the start information in the time zone of the client where the program was started. Changes due to daylight saving are taken into account.</td>
</tr>
</tbody>
</table>

Related topics

- Starting schedules immediately on page 14
- Displaying report subscriptions on page 15

Starting schedules immediately

Use this task to start the schedule immediately.

**To start a schedule immediately**

2. Select the schedule in the result list.
3. Select Start immediately from the task view.
   - A message appears confirming that the schedule was started.
4. Click OK.
Displaying report subscriptions

Every user sets up their personalized report subscriptions through the Web Portal. For more information, see the One Identity Manager Web Portal User Guide.

IMPORTANT: Do not remove any assignments. Assignment of schedules for report subscriptions is compulsory and carried out by through the Web Portal.

To display report subscriptions assigned to a schedule

2. Select the schedule in the result list.
3. Select Assign report subscriptions in the task view.

Notification mail templates

Table 3: Configuration parameters for mail templates

<table>
<thead>
<tr>
<th>Configuration parameter</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>QER\RPS\MailTemplateIds</td>
<td>Mail template names are defined under this configuration parameter which are used in association with report subscriptions.</td>
</tr>
</tbody>
</table>

Mail templates are used to send reports subscribed in the Web Portal, to the subscribers. The reports are attached to the notification generated from the mail template. The mail texts in a mail template are defined in several languages. This ensures that the language of the recipient is taken into account when the email is generated. The report parameters are determined dynamically when the email is generated, replacing the values stored with the subscription.

There are some mail templates available in the default installation that can be used for sending report. Mail templates are entered in the configuration parameters.

To use custom templates

- Enter the mail template into configuration parameter in the Designer.

Table 4: Default templates

<table>
<thead>
<tr>
<th>Mail template</th>
<th>Description</th>
<th>Usage in Configuration Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report subscription - delivery</td>
<td>Email to report subscribers. The report is sent as attachment. The</td>
<td>QER\RPS\MailTemplateIds\InformSubscriber</td>
</tr>
<tr>
<td>Mail template</td>
<td>Description</td>
<td>Usage in Configuration Parameter</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>report to be sent as UID_</td>
<td>DialogParameterSet is determined dynamically when the process is generated.</td>
<td>QER\RPS\MailTemplateIdents\InformCC</td>
</tr>
<tr>
<td>Email to report subscribers (cc)</td>
<td>The report is sent as attachment. The report to be sent as UID_ DialogParameterSet is determined dynamically when the process is generated.</td>
<td>QER\RPS\MailTemplateIdents\StoredOnServer</td>
</tr>
<tr>
<td>Informs the subscriber that the report is stored on a server.</td>
<td>QER\RPS\MailTemplateIdents\StoredOnServerForCC</td>
<td></td>
</tr>
<tr>
<td>Informs the subscriber (cc) that the report is stored on a server.</td>
<td>QER\RPS\MailTemplateIdents\StoredOnServerForCC</td>
<td></td>
</tr>
</tbody>
</table>

**Related topics**

- Creating custom mail templates for notifications on page 16

**Creating custom mail templates for notifications**

**To edit mail templates**

1. In the Manager, select the category **Subscribable Reports | Basic configuration data | Mail templates**.

   Mail templates that can be used for subscribable reports are displayed in the result list.
2. Select a mail template in the result list and run **Change master data**.
   - OR -
   Click in the result list.
   This opens the mail template editor.
3. Edit the mail template.
4. Save the changes.

**Detailed information about this topic**

- **General properties of a mail template** on page 17
- **Creating and editing a mail definition** on page 18
- **Customizing email signatures** on page 19
- **Custom notification processes** on page 20

**General properties of a mail template**

The following general properties are displayed for a mail template:

**Table 5: Mail template properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mail template name</td>
<td>Name of the mail template. This name will be used to display the mail templates in the administration tools and in Web Portal. Translate the given text using the button.</td>
</tr>
<tr>
<td>Base object</td>
<td>Mail template base object. A base object only needs to be entered if the mail definition properties of the base object are referenced. Use the base object RPSSubscription or RPSSubscriptionCC for notifications about reports.</td>
</tr>
<tr>
<td>Report (parameter set)</td>
<td>Report, made available through the mail template.</td>
</tr>
<tr>
<td>Description</td>
<td>Mail template description. Translate the given text using the button.</td>
</tr>
<tr>
<td>Target format</td>
<td>Format in which to generate email notification. Permitted values are:</td>
</tr>
<tr>
<td></td>
<td><strong>HTML</strong>: The email notification is formatted in HTML. Text formats, for example, different fonts, colored fonts or other text formatting can be included in HTML format.</td>
</tr>
<tr>
<td></td>
<td><strong>TXT</strong>: The email notification is formatted as text. Text format does not support bold, italics or colored font or other text formatting. Images displayed directly in the message are not supported.</td>
</tr>
<tr>
<td>Design type</td>
<td>Design in which to generate the email notification. Permitted values are:</td>
</tr>
</tbody>
</table>
### Property | Meaning
--- | ---
- **Mail template**: The generated email notification contains the mail body in accordance with the mail definition.
- **Report**: The generated email notification contains the report specified under **Report (parameter set)** as its mail body.
- **Mail template, report in attachment**: The generated email notification contains the mail body in accordance with the mail definition. The report specified under **Report (parameter set)** is attached to the notification as a PDF file.

<table>
<thead>
<tr>
<th>Importance</th>
<th>Importance for the email notification. Permitted values are <strong>Low</strong>, <strong>Normal</strong>, and <strong>High</strong>.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confidentiality</td>
<td>Confidentiality for the email notification. Permitted values are <strong>Normal</strong>, <strong>Personal</strong>, <strong>Private</strong>, and <strong>Confidential</strong>.</td>
</tr>
<tr>
<td>Can unsubscribe</td>
<td>Specifies whether the recipient can unsubscribe email notification. If this option is set, the emails can be unsubscribed through the Web Portal.</td>
</tr>
<tr>
<td>Deactivated</td>
<td>Specifies whether this mail template is disabled.</td>
</tr>
<tr>
<td>Mail definition</td>
<td>Unique name for the mail definition.</td>
</tr>
<tr>
<td>Language</td>
<td>Language which applies to the mail template. The recipient's language preferences are taken into account when an email notification is generated.</td>
</tr>
<tr>
<td>Subject</td>
<td>Subject of the email message</td>
</tr>
<tr>
<td>Mail body</td>
<td>Content of the email message.</td>
</tr>
</tbody>
</table>

### Creating and editing a mail definition

Mail texts can be defined in these different languages in a mail template. This ensures that the language of the recipient is taken into account when the email is generated.

**To create a new mail definition**

1. Open the mail template in Mail Template Editor.
2. Click the **button next to the Mail definition list.**
3. In the result list, select the language for the mail definition in the **Language** menu. All active languages are shown. To use another language, in Designer, enable the corresponding countries. For more detailed information, see the **One Identity Manager Configuration Guide**.
4. Enter the subject in **Subject**.
5. Edit the mail text in the **Mail definition** view with the help of the Mail Text Editor.
6. Save the changes.
To edit an existing mail definition

1. Open the mail template in Mail Template Editor.
2. Select the language in Mail definition.
3. Edit the mail subject line and the body text.
4. Save the changes.

Related topics

- Using base object properties on page 19

Using base object properties

In the subject line and body text of a mail definition, you can use all properties of the object entered under Base object. You can also use the object properties that are referenced by foreign key relation.

To access properties use dollar notation. For more detailed information, see the One Identity Manager Configuration Guide.

Customizing email signatures

Configure the email signature for mail templates using the following configuration parameter. Edit the configuration parameters in the Designer.

Table 6: Configuration parameters for email signatures

<table>
<thead>
<tr>
<th>Configuration parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common</td>
<td>MailNotification</td>
</tr>
<tr>
<td>Common</td>
<td>MailNotification</td>
</tr>
<tr>
<td>Common</td>
<td>MailNotification</td>
</tr>
<tr>
<td>Common</td>
<td>MailNotification</td>
</tr>
<tr>
<td>Common</td>
<td>MailNotification</td>
</tr>
</tbody>
</table>

VI_GetRichMailSignature combines the components of an email signature according to the configuration parameters for use in mail templates.
Custom notification processes

Set up customized processes to send email notifications. For more information, see the One Identity Manager Configuration Guide.

You can use following events for generating processes.

Table 7: Events for "RPSSubscription" and "RPSSubscriptionCC"

<table>
<thead>
<tr>
<th>Event</th>
<th>Triggered by</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenerateMail</td>
<td>Creates a report subscription notification according to a defined schedule.</td>
</tr>
</tbody>
</table>

Editing subscribable reports

To edit a subscribable report

2. Select the report in the result list and run Change master data.
   - OR -
   Click 📝 in the result list.
3. Enter the required data for a subscribable report on the master data form.
4. Edit report parameters (optional).
5. Save the changes.

To copy an existing report

2. Select the report in the result list.
3. Select Create copy in the task view.
4. Confirm the prompt with Yes.
5. Confirm the prompt with Yes if you want to deactivate the original report.
   The original report can no longer be assigned, however, existing assignments remain intact.
   - OR -
   Confirm the prompt with No if you want the original report to remain active.
6. Edit the data for a subscribable report on the master data form.
7. Save the changes.
Related topics

- General master data for subscribable reports on page 21
- Editing parameters for subscribable reports on page 25
- Creating simple reports on page 22
- Assigning subscribable reports to employees on page 29

General master data for subscribable reports

Enter the following general master data for a subscribable report.

Table 8: General master data for subscribable reports

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Identifier for the subscribable report. The identifier is automatically copied when the report is selected. You can change the identifier if required.</td>
</tr>
<tr>
<td>Report</td>
<td>Report you want to make subscribable. All the reports that you have set up in the Report Editor are available for subscription editing. Some of the following data is transferred automatically.</td>
</tr>
<tr>
<td>Format (e-mail attachment)</td>
<td>Report formats when sent as an attachment. Permitted formats are: HTML, PDF, RTF, TEXT, XLS, TIFF, XML, CSV, XPS, DOCX, XLSX.</td>
</tr>
<tr>
<td>Owner</td>
<td>Owner of the report. If the subscribable report can be requested in the IT Shop, the owner will automatically be a member of the application role for product owners that are assigned the service item.</td>
</tr>
<tr>
<td>Service item</td>
<td>So you can use subscribable reports in the IT Shop, you need to assign a service item to the subscribable report or add a new one. For more information, see the One Identity Manager IT Shop Administration Guide.</td>
</tr>
<tr>
<td>Risk index</td>
<td>Value for evaluating the risk of subscribing reports to employees. The input field is only visible if the &quot;QER\CalculateRiskIndex&quot; configuration parameter is set. For more information, see the One Identity Manager Risk Assessment Administration Guide.</td>
</tr>
<tr>
<td>Description</td>
<td>Spare text box for additional explanation. The description is automatically transferred when the report is selected. You can change the description if necessary.</td>
</tr>
<tr>
<td>Disabled</td>
<td>Specifies whether the subscribable report can be inherited by employees. Only subscribable reports that are enabled can be assigned within the One Identity Manager. If a subscribable report is disabled you are prevented</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>from assigning it. Existing assignments remain intact.</td>
</tr>
<tr>
<td><strong>IMPORTANT:</strong></td>
<td>If you disable a subscribable report, existing Web Portal user report subscriptions are canceled.</td>
</tr>
<tr>
<td>IT Shop</td>
<td>Specifies whether the subscribable report can be requested through the IT Shop. This report can be requested over the Web Portal by company employees and granted through defined approval procedures. The subscribable report can also be assigned directly to employees and hierarchical roles. For more information, see the One Identity Manager IT Shop Administration Guide.</td>
</tr>
<tr>
<td>Only for use in IT Shop</td>
<td>Specifies whether the subscribable report can only be requested through the IT Shop. This report can be requested over the Web Portal by company employees and granted through defined approval procedures. The subscribable report may not be assigned directly to hierarchical roles. For more information, see the One Identity Manager IT Shop Administration Guide.</td>
</tr>
<tr>
<td>Simple List Report</td>
<td>Specifies whether this is a report in CSV format.</td>
</tr>
<tr>
<td>Report definition</td>
<td>Definition of a simple list report in XML syntax.</td>
</tr>
<tr>
<td>Preprocessor condition</td>
<td>Preprocessor condition for the subscribable report. A subscribable report available only when the preprocessor condition is fulfilled.</td>
</tr>
<tr>
<td><strong>IMPORTANT:</strong></td>
<td>If a preprocessor condition is given in a subscribable report, you must ensure that all report parameters depending on this preprocessor condition have a default value in the underlying report in the Report Editor. If the value &quot;query&quot; is used for a report parameter type, this must be overwritten with the value &quot;fixed&quot; in the subscribable report. Otherwise, errors may occur when the report is generated.</td>
</tr>
<tr>
<td>Disabled by preprocessor</td>
<td>Specifies whether the subscribable report is disabled through a preprocessor condition.</td>
</tr>
</tbody>
</table>

**Creating simple reports**

To create a simple report in CSV format, you can create a data export in Manager and save the export definition in the form of a subscribable report. This report can be displayed and subscribed to in Web Portal. You make this report available to Web Portal users.

**NOTE:**
- To create a simple report with export definitions, enable the **Data export as report** plug-in in the program settings in Manager.
To create a simple report with the export definition

1. In Manager, select **Database | Export data** to open the export form.
2. Create the export.
3. Click in the title bar of the export form.
4. Enable **Simple list report**.
5. Click the button next to the report definition menu and enter the following information:
   - **Name**: Name of the report.
   - **Description**: Additional information about the report
6. Click **OK**.
7. Click **Save**.

A subscribable report with the following properties are created.

Table 9: Properties for the subscribable report

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Identifier for the subscribable report.</td>
</tr>
<tr>
<td>Report</td>
<td>Report for which the subscribable report is generated. The VI_Report_</td>
</tr>
<tr>
<td></td>
<td>DefaultTemplate report is used as the underlying report.</td>
</tr>
<tr>
<td><strong>NOTE</strong>:</td>
<td>The report is defined in the **QER</td>
</tr>
<tr>
<td>Simple List Report</td>
<td>Specifies whether this is a report in CSV format.</td>
</tr>
<tr>
<td>Report definition</td>
<td>Definition of the simple list report in Markdown syntax.</td>
</tr>
</tbody>
</table>

To make the report available to Web Portal users, assign the report to the employees.

Related topics

- Editing subscribable reports on page 20
- Assigning subscribable reports to employees on page 29
- One Identity Manager User Guide for One Identity Manager Tools User Interface
Report parameters

A report can contain several parameters that are determined when the report is created or when an email notification is generated and passed to the report. The generated report is then displayed or send by email to the subscriber corresponding to the report subscription set up. The user can query the report parameters before the report is displayed. This means, you can, for example, limit the time period or pass specific departments for displaying the report.

Report parameters are grouped internally into parameter sets. A separate parameter set is automatically created for very report, every subscribable report, and every report subscription. The parameters and their settings are passed down in the sequence report- >subscribable report- >report subscriptions.

**Figure 3: Report Parameter Inheritance**

You can configure report parameters at several places.
Parameters for reports
Define the report parameters to use when you create the report in the Report Editor. This is where you specify which report parameters are viewable or writable and which are already predefined in a subscribable report.

Parameters for subscribable reports
When you add a subscribable report viewable parameters are displayed in the Manager. You can make further changes to these report parameters assuming they can be overwritten. That means, you specify which report parameters can be viewed or overwritten by Web Portal users and define parameter values.

Parameters for report subscriptions
Report parameters labeled as viewable and editable in subscribable reports, are shown to Web Portal users when they are setting up their personal report subscriptions. If the report parameters are editable, Web Portal users can modify the values in them.

Related topics
- Editing parameters for subscribable reports on page 25
- One Identity Manager Configuration Guide
- One Identity Manager Web Portal User Guide

Editing parameters for subscribable reports
Report parameters are displayed in the Manager when a subscribable report is added. You can make further changes to these report parameters assuming they can be overwritten. That means, you specify which report parameters can be viewed or overwritten by Web Portal users and define parameter values.

To edit report parameters
1. Select the subscribable report in Report Subscriptions | Subscribable report.
2. Select Change master data.
3. Select the report parameter on the Parameter tab on the left side of the master data form to load the parameter properties.

   TIP: The actual parameter values are shown next to the text boxes and menus.

Use the following settings when editing subscribable reports to inherit parameter properties:
• Value <inherited>
  This value is provided by a simple menu on the form for various parameter properties.

• Empty
  Leave the input field for menu item empty. This ensures that the parameter property settings are inherited from the report.

**IMPORTANT:** If a preprocessor condition is given in a subscribable report, you must ensure that all report parameters depending on this preprocessor condition have a default value in the underlying report in the Report Editor. If the value "query" is used for a report parameter type, this must be overwritten with the value "fixed" in the subscribable report. Otherwise, errors may occur when the report is generated.

**Detailed information about this topic**

• General parameter settings on page 26
• Defining parameter values on page 27
• Settings for calculating values on page 28

**General parameter settings**

Enter the following general parameter settings.

**Table 10: General Parameter Settings**

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter type</td>
<td>Type of parameter. The following are available:</td>
</tr>
<tr>
<td>Fixed</td>
<td>Fixed parameter values are used.</td>
</tr>
<tr>
<td>User prompt</td>
<td>The user must select a parameter value through a user prompt.</td>
</tr>
<tr>
<td>Calculation</td>
<td>The parameter value is calculates at runtime when the report is created.</td>
</tr>
</tbody>
</table>

Other settings are shown or hidden depending on the type.

<p>| Display name     | User friendly name for the report parameter. Enter a translation using the button next to the input field for multilingual implementation. |
| Description      | Spare text box for additional explanation.                                  |
| Sort order       | Position of the report parameter in the subscribable report view and in the Web Portal. |</p>
<table>
<thead>
<tr>
<th><strong>Property</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mandatory</strong> parameter</td>
<td>Specifies whether this is a supplier. You must enter value into a mandatory parameter.</td>
</tr>
<tr>
<td><strong>Viewable</strong></td>
<td>Specifies whether the report parameter is shown when a report subscription is set up in the Web Portal.</td>
</tr>
<tr>
<td><strong>Can be overwritten</strong></td>
<td>Specifies whether the report parameter can be overwritten by Web Portal users when a report subscription is created.</td>
</tr>
</tbody>
</table>

## Defining parameter values

Use the value definition to specify the parameter value and define the characteristics of the parameter value. Other input is shown or hidden depending on the parameter definition values.

**NOTE:** Parameter value and Default value are heavily influenced by the parameter value definition. This is shown, on one hand, by dynamic customizing of the controls available for the parameter value and default value, and on the other hand, by dynamic customizing of the values available themselves. That is why it is recommended to edit the parameter definition first assuming this is necessary.

Enter the following data for a parameter definition:

<table>
<thead>
<tr>
<th><strong>Property</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Data type</strong></td>
<td>Data type for the report parameter.</td>
</tr>
<tr>
<td><strong>Value range</strong></td>
<td>Specifies whether the report parameter value has to be within a given range. If &lt;Yes&gt;, additional data is shown, Parameter value (from), Parameter value (to) and Default value (from), Default value (to).</td>
</tr>
<tr>
<td><strong>Multivalue</strong></td>
<td>The report parameter can have multiple values. You can select more than one value.</td>
</tr>
<tr>
<td><strong>Multiline</strong></td>
<td>The report parameter can have more than one line, which means that line breaks are allowed.</td>
</tr>
<tr>
<td><strong>Data source</strong></td>
<td>Type of data source. You can select the values &quot;None&quot;, &quot;table&quot;, &quot;List of permitted values&quot;. You may required additional data depending on the data source.</td>
</tr>
<tr>
<td><strong>Table column (query)</strong></td>
<td>Additional data for the data source &quot;Table&quot;.</td>
</tr>
<tr>
<td><strong>Condition</strong></td>
<td>Additional data for the data source &quot;Table&quot;.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>(query) Limiting condition</td>
<td>(where clause) for selecting the value through a table column. You can select a value from the result set. You can select several values from this set if the report parameter is multi-value, as well.</td>
</tr>
<tr>
<td>List of permitted values</td>
<td>Additional data for the data source &quot;List of permitted values&quot;. Lists the permitted values in this report parameter in value=description. If no = is given, the entry counts as value AND description.</td>
</tr>
<tr>
<td>Overwrite empty value</td>
<td>Parameter value data. Specified whether an empty report parameter overwrites the default value.</td>
</tr>
<tr>
<td>Parameter value</td>
<td>Parameter value data. Report parameter value.</td>
</tr>
<tr>
<td>Default value</td>
<td>Parameter value data. Report parameter default value. This is used, for example, if the Web Portal user does not specify a parameter value.</td>
</tr>
</tbody>
</table>

### Settings for calculating values

Enter the following data if the report parameter is calculated:

**Table 11: Master data for calculating values**

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table column (calc.)</td>
<td>Table column for selecting the value. The parameter value is determined at runtime when the report is created.</td>
</tr>
<tr>
<td>Condition (calc.)</td>
<td>Limiting condition (where clause) for selecting the value through a table column. The parameter value is determined at runtime when the report is created. If the report parameter is multivalue as well, several values may be found.</td>
</tr>
</tbody>
</table>

### Report preview

Use this task to display subscribable report while you are editing it. Enter any report parameters required in the dialog box.

**To display a report preview**

2. Select the report in the result list.
Select **Change master data**.

Select **Report preview**.

Enter the report parameter value in the dialog box and confirm with **OK**.

**NOTE:** The dialog window is only shown if required for displaying report parameters for this report.

---

### Assigning subscribable reports to employees

Subscribable reports can be assigned to employees directly, indirectly or through IT Shop requests. In the case of indirect assignment, employees and subscribable reports are arranged in hierarchical roles. The number of subscribable reports assigned to an employee is calculated from the position in the hierarchy and the direction of inheritance.

Add employees to a shop as customers so that subscribable reports can be assigned through IT Shop requests. All subscribable reports assigned to this shop can be requested by the customers. Requested subscribable reports are assigned to the employees after approval is granted.

### Prerequisites for indirect assignment to employees

- Assignment of employees and subscribable reports is permitted for role classes (department, cost center, location, or business role).

### Detailed information about this topic

- Assigning subscribable reports to departments, cost centers, and locations on page 30
- Assigning subscribable reports to business roles on page 30
- Adding subscribable reports to IT Shop on page 31
- Assigning subscribable reports to application roles on page 32
- Assigning subscribable reports directly to employees on page 33
- Adding subscribable reports to system roles on page 33

### Related topics

- Appendix: Technical details for inheriting subscribable reports on page 40
- One Identity Manager Identity Management Base Module Administration Guide
Assigning subscribable reports to departments, cost centers, and locations

Assign the subscribable report to departments, cost centers, and locations for it to be assigned to employees through these organizations.

**To assign a subscribable report to departments, cost centers, and locations**

2. Select the report in the result list.
3. Select Assign organizations.
4. Assign organizations in Add assignments.
   - Assign departments on the Departments tab.
   - Assign locations on the Locations tab.
   - Assign cost centers on the Cost centers tab.

   **TIP:** In the Remove assignments area, you can remove the assignment of organizations.

   **To remove an assignment**
   - Select the organization and double click ☑.

5. Save the changes.

Related topics

- Assigning subscribable reports to business roles on page 30
- Adding subscribable reports to IT Shop on page 31
- Assigning subscribable reports to application roles on page 32
- Assigning subscribable reports directly to employees on page 33
- Adding subscribable reports to system roles on page 33

Assigning subscribable reports to business roles

Installed modules: Business Roles Module

Assign the subscribable report to business roles for it to be assigned to employees through these business roles.
To assign a subscribable report to business roles

2. Select the report in the result list.
3. Select Assign business roles in the task view.
4. Assign business roles in Add assignments.

TIP: In the Remove assignments area, you can remove the assignment of business roles.

To remove an assignment

- Select the business role and double click.

5. Save the changes.

Related topics

- Assigning subscribable reports to departments, cost centers, and locations on page 30
- Adding subscribable reports to IT Shop on page 31
- Assigning subscribable reports to application roles on page 32
- Assigning subscribable reports directly to employees on page 33
- Adding subscribable reports to system roles on page 33

Adding subscribable reports to IT Shop

Once a subscribable report has been assigned to an IT Shop shelf, it can be requested by the shop customers through the Web Portal. There are other prerequisites requirements to make a subscribable report requestable.

- The subscribable report must be labeled with the option IT Shop.
- The subscribable report must be assigned a service item.
- The subscribable report must also be labeled with Only use in IT Shop if it should only be assigned to employees using IT Shop requests. This means that the subscribable report may not be directly assigned to roles outside the IT Shop.

To add a subscribable report to the IT Shop

2. Select the report in the result list.
3. Select Add to IT Shop.
4. In Add assignments, assign the report to the IT Shop shelves.
5. Save the changes.
Assigning subscribable reports to application roles

Subscribable reports can be inherited by members of these roles through report assignment to the application roles. For detailed information about implementing and editing application roles, see the One Identity Manager Authorization and Authentication Guide.

| NOTE: | Subscribable reports are not inherited by members of **Base roles** | **Employee Manager**, **Base roles** | **Everyone** (Lookup) and **Base roles** | **Everyone** (change). |

To assign a subscribable report to application roles

1. Select **Report Subscriptions | Subscribable report**.
2. Select the report in the result list.
3. Select **Assign to application roles**.
4. Assign applications roles in **Add assignments**.
5. Save the changes.

Related topics

- Assigning subscribable reports to departments, cost centers, and locations on page 30
- Assigning subscribable reports to business roles on page 30
- Assigning subscribable reports to application roles on page 32
- Assigning subscribable reports directly to employees on page 33
- Adding subscribable reports to system roles on page 33

Related topics

- Assigning subscribable reports to departments, cost centers, and locations on page 30
- Assigning subscribable reports to business roles on page 30
- Adding subscribable reports to IT Shop on page 31
- Assigning subscribable reports directly to employees on page 33
- Adding subscribable reports to system roles on page 33
Assigning subscribable reports directly to employees

You can assign subscribable reports directly or indirectly to employees. Indirect assignment is carried out by assigning the employee and subscribable report to company structures, like departments, cost centers, locations, or business roles.

In order to react quickly to special requests, you can also assign subscribable reports directly to employees.

To assign a subscribable report to individual employees

2. Select the report in the result list.
3. Select Assign to employees in the task view.
4. Assign employees in Add assignments.
5. Save the changes.

Related topics

- Assigning subscribable reports to departments, cost centers, and locations on page 30
- Assigning subscribable reports to business roles on page 30
- Adding subscribable reports to IT Shop on page 31
- Assigning subscribable reports to application roles on page 32
- Adding subscribable reports to system roles on page 33

Adding subscribable reports to system roles

Installed modules: System Roles Module

Use this task to add the subscribable report to system roles. If you assign a system role to employees, the subscribable reports contained in the system role are inherited by the employees.

NOTE: Subscribable reports with Only use in IT Shop set, can only be assigned to system roles that also have this option set. For more information, see the One Identity Manager System Roles Administration Guide.

To assign a subscribable report to system role

2. Select the report in the result list.
3. Select **Assign system roles**.

4. Assign system roles in **Add assignments**.

   **TIP:** In the **Remove assignments** area, you can remove the assignment of system roles.

   **To remove an assignment**
   - Select the system role and double click ✔.

5. Save the changes.

**Related topics**

- Assigning subscribable reports to departments, cost centers, and locations on page 30
- Assigning subscribable reports to business roles on page 30
- Adding subscribable reports to IT Shop on page 31
- Assigning subscribable reports to application roles on page 32
- Assigning subscribable reports directly to employees on page 33

**Displaying report subscriptions**

Every user sets up their personalized report subscriptions through the Web Portal. For more information, see the One Identity Manager Web Portal User Guide.

**To show subscription settings**

- Select **Report Subscriptions | Report subscriptions**.
  This shows you which employees have subscribed to which reports. If necessary, you can view the subscription settings at this point.

  **IMPORTANT:** Do not change any report subscription settings. The settings are generated by the Web Portal user when report subscriptions are set up.

**Disabling subscribable reports**

Only subscribable reports that are enabled can be assigned within the One Identity Manager. If a subscribable report is disabled you are prevented from assigning it. Existing assignments remain intact.

**IMPORTANT:** If you disable a subscribable report, existing Web Portal user report subscriptions are canceled.
**To disable a report**

2. Select the report in the result list.
3. Select Change master data.
4. Set the option Disabled.
5. Save the changes.

**NOTE:** You can disable subscribable reports through preprocessor conditions. For more information, see General master data for subscribable reports on page 21.

**To display a disabled report**

- Select Report Subscriptions | Basic configuration data | Disabled reports.
Sending subscribed reports

The following prerequisites are required to send reports by email:

- Ensure that the email notification system is configured in One Identity Manager. For more detailed information, see the One Identity Manager Installation Guide.
- Set the QER | RPS | DefaultSenderAddress configuration parameter in Designer and enter the sender address for sending the email notification.
- Ensure that all employees have a default email address. Notifications are sent to this address. For more detailed information, see the One Identity Manager Identity Management Base Module Administration Guide.
- Ensure that a language can be determined for all employees. Only then can they receive email notifications in their own language. For more detailed information, see the One Identity Manager Identity Management Base Module Administration Guide.

Saving the subscribed reports in a central repository

If an error occurs when sending a subscribed report, it can be saved on a drop server. It may also be necessary to always save the subscribed report in a drop box. The subscriber owner then receives an email message with the drop location of the report. The report is deleted from the drop server after a specified period of time.

To save a report on a drop server

1. Configure a default report server. You need to provide a server installed with the One Identity Manager Service and started.
2. Declare the default report server in the One Identity Manager.
   - Enter a new Job server in Base Data | Installation | Job servers in the Designer or select an existing Job server and mark it with Default report server.
3. Set up a drop box. The default report server One Identity Manager Service requires write access to this directory.
4. Declare the drop box in One Identity Manager.
   - Set the configuration parameter QER | RPS | SubscriptionStorageShare in Designer and enter the repository for the reports as the value using the syntax \\<Server>\\<Share>.

To always save a report in a drop box
   - Set the configuration parameter QER | RPS | StoreSubscription in Designer.

   ! NOTE: If the configuration parameter is not set, subscribed reports are only saved in the drop box if an error occurred when the emails are sent.

To delete a report on the drop server
1. Specify a retention period for the report on the drop server, after which the report is deleted.
   - Set the configuration parameter QER | RPS | SubscriptionStorageLifeTime in Designer and enter the number of days as the value.
     Reports are deleted at the end of this period. The default retention time is 7 days.
2. Select the Cleans up report subscription storage schedule in Designer and adjust the settings as required.
Appendix: Configuration parameters for subscribable reports

The following configuration parameters are additionally available in One Identity Manager after the module has been installed.

Table 12: Configuration parameter for report subscriptions

<table>
<thead>
<tr>
<th>Configuration parameter</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>QER\RPS</td>
<td>Preprocessor relevant configuration parameter for controlling model components for report subscriptions. If the parameter is set, the report subscription components are available. The database must be recompiled after changes have been made to the parameter.</td>
</tr>
<tr>
<td>QER\RPS\DefaultReportTemplate</td>
<td>This configuration parameter contains the report to use for creating simple list reports.</td>
</tr>
<tr>
<td>QER\RPS\DefaultSenderAddress</td>
<td>This configuration parameter contains the sender email address for automatically generated notifications.</td>
</tr>
<tr>
<td>QER\RPS\MailTemplateIdents</td>
<td>Mail template names are defined under this configuration parameter which are used in association with report subscriptions.</td>
</tr>
<tr>
<td>QER\RPS\MailTemplateIdents\InformCC</td>
<td>Mail template used for sending email notification to a report’s subscriber (CC). The report is sent as attachment.</td>
</tr>
<tr>
<td>Configuration parameter</td>
<td>Meaning</td>
</tr>
<tr>
<td>--------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>QER\RPS\MailTemplateIdents\InformSubscriber</td>
<td>Mail template used for sending email notification to a report's subscriber. The report is sent as attachment.</td>
</tr>
<tr>
<td>QER\RPS\MailTemplateIdents\StoredOnServer</td>
<td>Mail template used for sending email notification to a report's subscriber. The report is stored on the server.</td>
</tr>
<tr>
<td>QER\RPS\MailTemplateIdents\StoredOnServerForCC</td>
<td>Mail template used for sending email notification to a report's subscriber (CC). The report is stored on the server.</td>
</tr>
<tr>
<td>QER\RPS\StoreSubscription</td>
<td>This configuration parameter specifies whether subscribed reports are stored in a directory rather than being sent by mail.</td>
</tr>
<tr>
<td>QER\RPS\SubscriptionStorageLifeTime</td>
<td>This configuration parameter specifies the maximum retention period (in days) that a report is available on the drop server. After this period, reports are deleted.</td>
</tr>
<tr>
<td>QER\RPS\SubscriptionStorageShare</td>
<td>Configuration parameter containing the path for storing the subscribed reports. Syntax: \&lt;Server&gt;&lt;Share&gt;</td>
</tr>
</tbody>
</table>
Appendix: Technical details for inheriting subscribable reports

An employee can directly obtain subscribable reports. An employee also inherits all subscribable reports (including those passed on) of all roles in which they are a member (table PersonIn<BaseTree>) and the subscribable reports of all roles referenced through foreign key relations (table Person, column UID_<BaseTree>). Assignments of subscribable reports to roles are saved in <BaseTree>HasRPSReport.

Subscribable reports can be inherited by system roles. For more information, see the One Identity Manager System Roles Administration Guide.

Direct and indirect assignments of subscribable reports to employees are mapped in PersonHasRPSReport.

Figure 4: Inheritance with Direct Assignment of Subscribable Reports to Employees

![Figure 4: Inheritance with Direct Assignment of Subscribable Reports to Employees](image)
Figure 5: Inheritance with Indirect Secondary Assignment of Subscribable Reports to Employees

Figure 6: Inheritance with Indirect Primary Assignment of Subscribable Reports to Employees
About us

One Identity solutions eliminate the complexities and time-consuming processes often required to govern identities, manage privileged accounts and control access. Our solutions enhance business agility while addressing your IAM challenges with on-premises, cloud and hybrid environments.

Contacting us

For sales or other inquiries, visit https://www.oneidentity.com/company/contact-us.aspx or call +1-800-306-9329.

Technical support resources

Technical support is available to One Identity customers with a valid maintenance contract and customers who have trial versions. You can access the Support Portal at https://support.oneidentity.com/.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos at www.YouTube.com/OneIdentity
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product
Index

D
disabled 21

N
notification
default mail template 15
GenerateMail 20
mail template 15
report server 36
repository 36
save 36
signature 19

R
report 5
report parameter
can be overwritten 26
condition (calc.) 28
condition (value query) 27
data source 27
data type 27
default value 27
description 26
display name 26
edit 25
inherit 25
inheritance 24
list of permitted values 27
mandatory parameter 26
multiline 27
multivalue 27
overwrite empty value 27
parameter definition 27
parameter type 26
parameter value 27
sort order 26
table column (calc.) 28
table column (value query) 27
value calculation 28
value range 27
visible 26
report subscription 5
application roles, report subscription
user 7
display 34
save 36
schedule 12
send 36
risk index 21

S
schedule
report subscription 15
set up 12
start immediately 14
service item 21
simple report
create 22
subscribable report 5, 21
add to IT Shop 31
adding to system role 33
assign to application role 32
assign to business role 30
assign to cost center 30
assign to department 30
assign to employee 29, 33
assign to location 30
configuration parameter 38
copy 20
create 11, 20
disable 34edit 20-21
for Web Portal 9
inherit 40
IT Shop 21
name 21
owner 21
prepare 9
preprocessor condition 21
report definition 21
report preview 28
simple list report 21-22

t

timetable

default schedule 12
report subscription 12