

How to Schedule Tasks in Open-Audit

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Introduction

Open-Audit Enterprise 1.5.1 now introduces the ability to schedule certain types of repetitive tasks.

Open-Audit Enterprise has a gui tool to enable the scheduling of Subnet Discovery, Active Directory Discovery, Emailed Reports, Updating Groups and Running Baselines.

Scheduled Tasks use 'schtasks' under Windows and 'cron' under Linux.

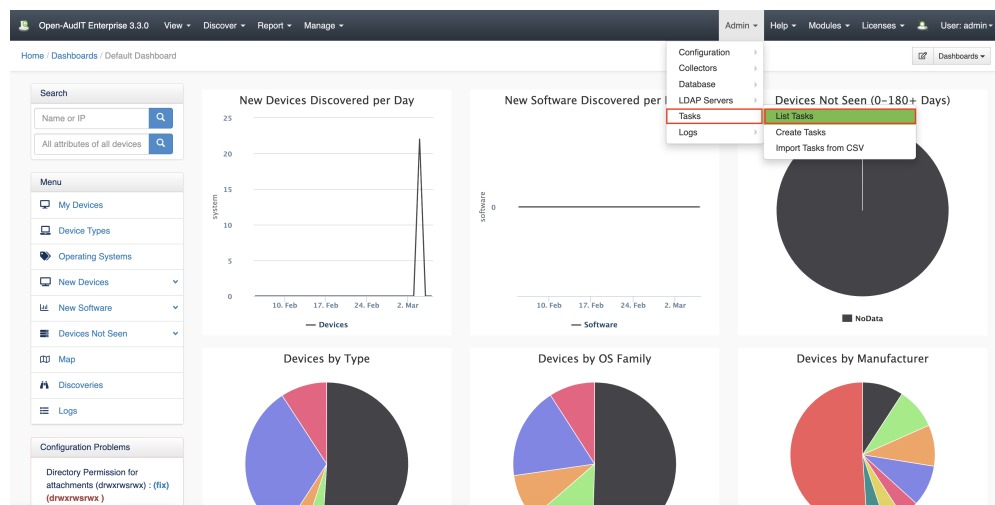
~~NOTE – Microsoft has removed the 'at' functionality under Windows 2012 and later. We are currently working through a change to our code to re-enable Scheduled Tasks under Windows 2012 (and later).~~

~~Windows tasks can be enumerated using a command prompt and typing 'at'. Fixed as at Open-Audit 1.8.4.~~

Linux jobs can be enumerated by using a shell and running 'less /etc/cron.d/oe'.

Listing Tasks

All scheduled tasks are listed in the configuration section of Open-Audit Enterprise (Admin -> Tasks -> List Tasks). From this screen you can add, remove and edit scheduled tasks.



Scheduling

All tasks can be scheduled the same in Windows and Linux.

You should first choose a schedule type.

Weekly

This will run the task at the specified time on the specified days.

Custom

This is new for Open-Audit Enterprise 1.12_2. You can specify the number of days to wait between running a task. You must provide a date when the task should be first run along with a time. When configured you can schedule a job to be run every X days at the specified time.

Setting up Emailed Reports

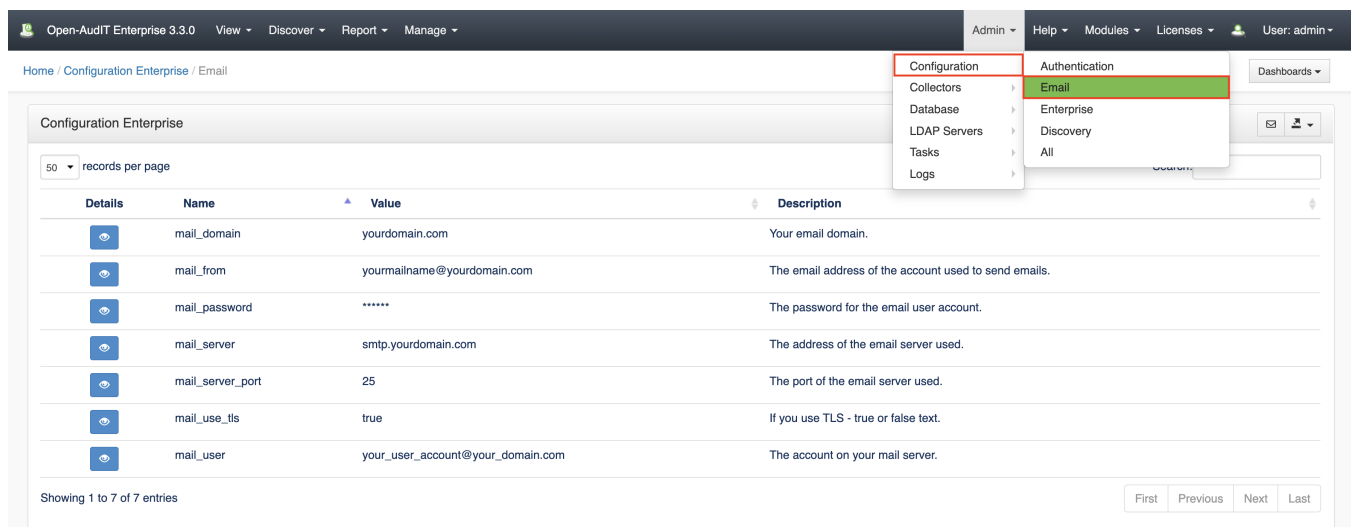
When you enable a Report to be run on a schedule, the report is emailed to your chosen address. You MUST have set up email (Admin -> Configuration -> Email). We also have a test-email button on the top-right hand side of that same page. Input your details, save it and then test it. You should have a modal box that informs you if it successful or not and obviously a test email should arrive if it is successful. Once you have email configured, your scheduled reports can be configured.

On the List Tasks page, click the "+" button to configure a task.

Choose the "type" of scheduled task from the first drop down. This will configure the additional fields required depending on the type of task. For this instance, choose Report.

Provide a time, give the task a name (this is not the name of the actual scheduled report itself), select at what time, days and months you would like the report run, choose which report you would like run, supply an email address and choose a report format and you're done.

Reports will be sent with an email body of the report (in html format) and the report attached in the requested format.



Open-Audit Enterprise 3.3.0 View Discover Report Manage Admin Help Modules Licenses User: admin

Home / Configuration Enterprise / Email

Configuration Enterprise

50 records per page

Details	Name	Value	Description
	mail_domain	yourdomain.com	Your email domain.
	mail_from	yourmailname@yourdomain.com	The email address of the account used to send emails.
	mail_password	*****	The password for the email user account.
	mail_server	smtp.yourdomain.com	The address of the email server used.
	mail_server_port	25	The port of the email server used.
	mail_use_tls	true	If you use TLS - true or false text.
	mail_user	your_user_account@your_domain.com	The account on your mail server.

Showing 1 to 7 of 7 entries

First Previous Next Last

Tasks

Current Timestamp

2020-03-10 13:57:56 (UTC +1000)

Name

Org ID

Default Organisation

Description

Enabled

Yes

Type

Report

Report

Email Address

Format

First Run

01/01/2001

Minute

0

Hour

0

Day Of Month

0

Month

January

Day Of Week

Sunday

About

With Open-Audit Professional and Enterprise you can automate and schedule discoveries, report generation, or baseline checks to run when you want, and as often as you need. Schedule your discoveries to run nightly and reports to be generated and emailed to key personnel each morning. Complex or simple schedules, device discovery and report generation is just a click away.

Create individual discovery schedules for each subnet or AD controller, add in reports to be created for targeted audiences. Develop simple or complex schedules to support company needs, avoid backups or impact to operations, or simply to spread the load and speed-up audit completion.

For more detailed information, check the [Open-Audit Knowledge Base](#).

Notes

Tasks have a schedule that mirrors the unix cron schedule. The attributes for minute, hour, day_of_month, month, day_of_week all act as per the cron definitions. You can select multiples of these using comma separated values (no spaces). You can select every value using *.

The **type** of the task can be one of: baselines, collectors, discoveries, queries, reports or summaries.

If you wish to schedule a Baseline or Discovery, you will need to create these before creating the tasks. You must use the ID of the type of item in **sub_resource_id**. For example if you wish to schedule a Discovery, use that particular Discovery's ID in **sub_resource_id**.

The value for **uuid** is specific to each Open-Audit server. Your unique value can be found in the configuration.

The **options** attribute is a JSON document containing any extra attributes required to run the task. The extra attributes for reports, queries and summaries are: **email_address** and **format**. The extra attribute for Baselines is **group_id**.

Setting up Subnet Discovery

Setting up Discovery on a subnet is almost identical to running a regular Discovery via the web interface. The only additional items are the schedule time and day(s) and a name for the Scheduled Task itself. You can take advantage of this to schedule multiple discoveries using different sets of credentials.

Tasks

Current Timestamp

2020-03-10 13:57:56 (UTC +1000)

Name

Discovery 88 subnet

Org ID

Default Organisation

Description

Enabled

Yes

Type

Discovery

Discovery

First Run

10/03/2020

Minute

0

Hour

0

Day Of Month

0

Month

January

Day Of Week

Sunday

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Submit

Setting up Active Directory Discovery

As per the Subnet Discovery, the Active Directory Discovery is also simply the same fields as a regular Active Directory Discovery with the addition of a day, time and name.

Open-Audit Enterprise 1.5.1

Modules Views Reports

Name or IP

System Help

User: admin

Configuration Editor

Categories

General

Directories

Opmantek

Report Schedule

Email

Scheduled Tasks

Create Task

TypeActive Directory Discovery

Name

Hour

DaySundaysMondaysTuesdaysWednesdaysThursdaysFridaysSaturdays

Active Directory Server

Local Network Address192.168.1.129

Windows Usernameadministrator

Windows Password

Windows Domainopen-audit.com

Concurrent Audits20

Create

Open-Audit Enterprise 1.x is licensed to Demo Server Opmantek for Unlimited nodes on a single server

Powered by Opmantek

Setting Up Baselines

Once you have generated a Baseline Definition you can schedule it to be run against a given group of devices.

Setting up Group Updates

If you have a large number of device groups in Open-Audit Community, you can disable the audit processing and discovery routines from running the group update routine. This should speed up processing device results and discovery but at a cost of not updating your groups. Open-Audit Enterprise allows you to schedule when you would like the group update routine to run. In extreme circumstances it may be beneficial to postpone the group update routine and run it on a schedule in period(s) of quiet activity on the Open-Audit server.