

# Building your Network Discovery

**Note: The device discovery is included in Open-Audit Community, Professional and Enterprise. However, some features, like Scheduling Discoveries, are only available in the Professional and Enterprise versions.**

Open-Audit is an incredibly flexible device discovery and auditing solution. In this walk-through we demonstrate one workflow process for configuring Open-Audit for automated discovery of devices. However, there are other methods available to support the deployment of auditing scripts, and even sneaker netting a discovery using a script stored on a thumb drive. These are documented [HERE: How to audit a Computer](#).

## 1. Gather relevant Credentials.

- a. Credential types can vary - snmp v.1 / v.2, snmp v.3, SSH, SSH key, Windows, are all implemented. Figure out what credentials you need for your device(s) or subnet(s) and use this guide [HERE](#) to create them.
- b. The audit function of Open-Audit is designed to work "out of the box" as much as possible with the default settings of target devices. Click [HERE](#) for the requirements for the audit to work and some hints for items to configure when things are not working as planned.

## 2. Ensuring Credentials are correct.

- a. We recommend discovering one device, this ensures that the Credentials are working and good information is populating properly before moving on to larger subnets. As of Open-Audit 2.0.6 you can audit a single machine through the GUI to get an idea of how it works. You can also use this feature to add a single device without performing a full discovery on a subnet. The page describing how to do this can be found [HERE](#).

## 3. There are multiple ways to go about running a discovery. Decide what works best for you when running your discoveries.

- a. Audit a computer - [How to audit a Computer](#)
- b. Audit a subnet - [How to use Open-Audit Discovery](#)
- c. Audit a subnet using a script - [How to audit a subnet using a script](#)
- d. Audit using Active Directory - [How to use Active Directory Discovery](#)

## 4. Create your Discovery.

- a. Now there is an understanding of the way you want to Discover your network create your Discovery. More information on creating Discoveries can be found [HERE](#).

## 5. Ensure your Discovery is getting back good information.

- a. Check the discovery log to ensure the audit has run successfully on the device. If you are not getting much information back from the audit then it is possible that the credential set given was not valid or received properly. To ensure that the credential set was accepted, click on the discovery log on the device summary page (My Devices -> Edit details of your device (button on the left-hand side of each device on the list)-> Discovery Log in left-hand Summary box) and scroll towards the bottom of the window.

The screenshot shows the Open-Audit Enterprise 3.3.0 interface. The top navigation bar includes 'Admin', 'Help', 'Modules', 'Licenses', and 'User: admin'. The main content area is titled 'Summary - asgard' and contains several sections:

- Summary:** A table with fields for Name (asgard), IP (192.168.88.254), Type (Unclassified), Description, OS Family, Status (Production), Environment (Production), Manufacturer (Cisco Systems), Model, and Serial.
- Discovery Issues:** A table with columns for Timestamp, Status, and Message. It shows two entries:
  - 2020-03-13 10:11:39 - Warning - No credentials retrieved.
  - 2020-03-13 10:11:39 - Fail - No valid credentials for 192.168.88.254

The left sidebar contains a 'Summary' box with a 'Discovery Log' link. The bottom of the page shows 'Showing 1 to 2 of 2 entries' and navigation buttons for 'First', 'Previous', 'Next', and 'Last'.

The discovery log, along with other logs and information open up below the summary page. Scroll down to view them.

Discovery Log

10 records per page Search:

ID	Timestamp	File	Function	Message
5300	2017-09-26 12:39:59	input	discoveries	Received data for 192.168.13.7, now starting to process
5301	2017-09-26 12:39:59	m_device	find_system	Could not find a match for the device with IP 192.168.13.7
5302	2017-09-26 12:39:59	input	discoveries	WMI Status is false on 192.168.13.7
5303	2017-09-26 12:39:59	input	discoveries	SSH Status is true on 192.168.13.7
5304	2017-09-26 12:39:59	input	discoveries	SNMP Status is false on 192.168.13.7
5305	2017-09-26 12:39:59	include_input_discoveries	discoveries	Testing SSH credentials for 192.168.13.7
5306	2017-09-26 12:39:59	ssh_helper	ssh_credentials	SSH credentials starting
5307	2017-09-26 12:40:00	ssh_helper	ssh_command	SSH command
5308	2017-09-26 12:40:00	ssh_helper	ssh_command	SSH credentials complete. Credential set (using root) named root working on 192.168.13.7
5309	2017-09-26 12:40:00	ssh_helper	ssh_audit	SSH audit starting

Showing 1 to 10 of 77 entries

First Previous Next Last

Running into problems? Check out a few troubleshooting steps here: [Troubleshooting](#)