



Safeguard Authentication Services 5.1

Ansible Guide

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Legend

 **WARNING:** A WARNING icon highlights a potential risk of bodily injury or property damage, for which industry-standard safety precautions are advised. This icon is often associated with electrical hazards related to hardware.

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

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For the most recent documents and product information, see [Online product documentation](#).

Contents

Supported platforms	4
Installation	6
Prerequisites	6
From Ansible Galaxy	6
From GitHub	7
Local build and install	7
Authentication Services Ansible Collection	9
About us	11
Contacting us	12
Technical support resources	13

Supported platforms

The following table provides a list of supported Unix and Linux platforms for Safeguard Authentication Services.

⚠ CAUTION: In Safeguard Authentication Services version 5.1, support for the following Linux platforms and architectures will be deprecated:

- **Linux platforms**
 - **CentOS Linux 5**
 - **Oracle Enterprise (OEL) Linux 5**
 - **Red Hat Enterprise Linux (RHEL) 5**
 - **Suse Linux Enterprise (SLES) 11**
- **Linux architectures**
 - **IA-64**
 - **s390**

Make sure that you prepare your system for an upgrade to a supported Linux platform and architecture, so that you can upgrade to Safeguard Authentication Services version 5.1 when it is released.

Table 1: Unix agent: Supported platforms

Platform	Version	Architecture
Alma Linux	8, 9	x86_64, AARCH64, PPC64le
Amazon Linux	AMI, 2, AL2022	x86_64
Apple MacOS	10.15, 11.x, 12.x, 13.x	x86_64, ARM64
CentOS Linux	6, 7, 8, 9	Current Linux architectures: s390x, PPC64, PPC64le, x86, x86_64, AARCH64
CentOS Stream	8, 9	x86_64
Debian	Current supported releases	x86_64, x86, AARCH64
Fedora Linux	Current supported releases	x86_64, x86, AARCH64
FreeBSD	12.x, 13.x	x32, x64
HP-UX	11.31	PA, IA-64

Platform	Version	Architecture
IBM AIX	6.1 TL9, 7.1 TL3, TL4, TL5, 7.2, 7.3	Power 4+
OpenSUSE	Current supported releases	x86_64, x86, AARCH64
Oracle Enterprise Linux (OEL)	6, 7, 8, 9	Current Linux architectures: s390x, PPC64, PPC64le, x86, x86_64, AARCH64
Oracle Solaris	10 8/11 (Update 10), 11.x	SPARC, x64
Red Hat Enterprise Linux (RHEL)	6, 7, 8, 9	Current Linux architectures: s390x, PPC64, PPC64le, x86, x86_64, AARCH64
Rocky Linux	8, 9	x86_64, AARCH64
SuSE Linux Enterprise Server (SLES)/Workstation	12, 15	Current Linux architectures: s390x, PPC64, PPC64le, x86, x86_64, AARCH64
Ubuntu	Current supported releases	x86_64, x86, AARCH64

Installation

This section describes the installation of Ansible. For additional information and support, see the [Ansible Authentication Services Github Page](#).

Prerequisites

- Ansible version 2.9 or later
 - Collections are a new feature introduced in Ansible version 2.9. Please use the latest 2.9+ release for the best user experience.
- Safeguard Authentication Services version 4.2.x or later
 - This collection expects the components and structure of Safeguard Authentication Services 4.2.x or later.
 - See collection role documentation for specific, per-role requirements and instructions.
 - See Safeguard Authentication Services documentation for requirements and instructions.

From Ansible Galaxy

To install from Ansible Galaxy you can use the `ansible-galaxy` command to install the collection on your control node. See [Ansible documentation](#) for further information.

Using `ansible-galaxy` command:

```
ansible-galaxy collection install oneidentity.authentication_services
```

The collection can also be added to a project's `requirements.yml` file

```
---  
collections:  
- name: oneidentity.authentication_services
```

and installed using the `ansible-galaxy` command. This method allows all required collections for a project to be specified in one place and installed with one command.

```
ansible-galaxy collection install -r requirements.yml
```

When used with Ansible Tower and Ansible AWX the collections in the project's requirements.yml file are automatically installed each time a project is run and there is no need to use the ansible-galaxy command.

From GitHub

For the examples in this section please see [ansible-Safeguard Authentication Services releases page](#) to find the latest collection build artifact (*.tar.gz file) and use the URL to this file in place of the URL's shown below. The collection build artifact is under the 'Assets' section for each release (right click on the *.tar.gz file and select 'Copy link address' to copy URL).

To install from GitHub you can use the ansible-galaxy command to install the collection on your control node. See [Ansible documentation](#) for further information.

Using ansible-galaxy command:

```
ansible-galaxy collection install https://github.com/OneIdentity/ansible-authentication-services/releases/download/v0.0.8/oneidentity-authentication_services-0.0.8.tar.gz
```

The collection can also be added to a project's requirements.yml file

```
---
collections:
- name: https://github.com/OneIdentity/ansible-authentication-services/releases/download/v0.0.8/oneidentity-authentication_services-0.0.8.tar.gz
```

and installed using the ansible-galaxy command. This method allows all required collections for a project to be specified in one place and installed with one command.

```
ansible-galaxy collection install -r requirements.yml
```

When used with Ansible Tower and Ansible AWX the collections in the project's requirements.yml file are automatically installed each time a project is run and there is no need to use the ansible-galaxy command.

Local build and install

For local build and installation, you can clone the Git repository, build the collection artifact, and install the locally built collection artifact. This would be useful for those wishing to extend or customize the collection.

1. Clone the Git repository:

```
git clone https://github.com/OneIdentity/ansible-authentication-services.git
```

2. Run a local build inside the collection using the `ansible-galaxy` command in the root directory of the cloned repository:

```
cd ansible-authentication-services
ansible-galaxy collection build
```

The build command will generate an Ansible Galaxy collection artifact with a `tar.gz` file extension, sample output will look like the following:

```
Created collection for oneidentity.authentication_services at
/home/user/ansible-authentication-services/oneidentity-authentication_
services-0.0.8.tar.gz
```

The path shown above is just an example, the path to your build artifact will be in the root directory of the cloned repository.

3. Install the locally-built collection artifact using the `ansible-galaxy` command to install the collection on your control node. See [Ansible documentation](#) for further information.

Using `ansible-galaxy` command:

```
ansible-galaxy collection install /home/user/ansible-authentication-
services/oneidentity-authentication_services-0.0.8.tar.gz
```

The collection can also be added to a project's `requirements.yml` file

```
---
collections:
- name: /home/user/ansible-authentication-services/oneidentity-
authentication_services-0.0.8.tar.gz
```

and installed using the `ansible-galaxy` command. This method allows all required collections for a project to be specified in one place and installed with one command.

```
ansible-galaxy collection install -r requirements.yml
```

When used with Ansible Tower and Ansible AWX the collections in the project's `requirements.yml` file are automatically installed each time a project is run and there is no need to use the `ansible-galaxy` command.

Authentication Services Ansible Collection

The One Identity Safeguard Authentication Services Ansible Collection, referred to as `ansible-privilege-manager`, consists of roles, modules, plugins, report templates, and sample playbooks to automate software deployment, configuration, policy server joining, and report generation for Safeguard Authentication Services.

For additional information and support, see the [Ansible Authentication Services Github Page](#).

Collection contents

The tables below show the former MCU functions and their Ansible equivalents as well as new Ansible functions with no former MCU equivalents:

Actions in MCU	Equivalent in Ansible	Description
Check readiness	<code>client_preflight</code> role	Check client readiness for software install and AD join.
Install on a host	<code>client_sw</code> role	Client software install, upgrade, downgrade, uninstall, and version checking.
Setting custom configuration settings	<code>client_config</code> role	Client configuration.
Join client to AD Unjoin client from AD	<code>client_join</code> role	Client AD joining/unjoining.
Host Access Control	<code>host_access_control</code> role	Show the content of <code>users.allow</code> and <code>users.deny</code> files.
Check QAS agent status	<code>client_agent_status</code> role	Checks the health status of client agents.

Reports in MCU	Equivalent in Ansible	Description
AD User Conflicts	<code>ad_user_conflicts</code> role	User Reports
Local Unix Users	<code>local_unix_users</code> role	User Reports
Unix-enabled AD Users	<code>unix_enabled_ad_users</code> role	User Reports
Local Unix Users With AD Logon	<code>local_unix_users_with_ad_logon</code> role	User Reports

Local Unix User Conflicts	local_unix_user_conflicts role	User Reports
Local Unix Groups	local_unix_groups role	Group Reports
Unix-enabled AD Groups	unix_enabled_ad_groups role	Group Reports
AD Group Conflicts	ad_group_conflicts role	Group Reports
Unix Computers in AD	unix_computers_in_ad role	Host Reports

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 and other inquiries, such as licensing, support, and renewals, visit <https://www.oneidentity.com/company/contact-us.aspx>.

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