



Safeguard Authentication Services 5.0.6

Ansible Guide

**Copyright 2022 One Identity LLC.**

**ALL RIGHTS RESERVED.**

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of One Identity LLC .

The information in this document is provided in connection with One Identity products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of One Identity LLC products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, ONE IDENTITY ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL ONE IDENTITY BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF ONE IDENTITY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. One Identity makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. One Identity does not make any commitment to update the information contained in this document.

If you have any questions regarding your potential use of this material, contact:

One Identity LLC.  
Attn: LEGAL Dept  
4 Polaris Way  
Aliso Viejo, CA 92656

Refer to our Web site (<http://www.OneIdentity.com>) for regional and international office information.



**Patents**

One Identity is proud of our advanced technology. Patents and pending patents may apply to this product. For the most current information about applicable patents for this product, please visit our website at <http://www.OneIdentity.com/legal/patents.aspx>.

**Trademarks**

One Identity and the One Identity logo are trademarks and registered trademarks of One Identity LLC. in the U.S.A. and other countries. For a complete list of One Identity trademarks, please visit our website at [www.OneIdentity.com/legal](http://www.OneIdentity.com/legal). All other trademarks are the property of their respective owners.

**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.

Safeguard Authentication Services Ansible Guide  
Updated - 03 May 2022, 16:15  
Version - 5.0.6

# Contents

<b>Supported platforms</b> .....	<b>4</b>
<b>Installation</b> .....	<b>6</b>
Prerequisites .....	6
From Ansible Galaxy .....	6
From GitHub .....	7
Local build and install .....	7
<b>Authentication Services Ansible Collection</b> .....	<b>9</b>
<b>About us</b> .....	<b>11</b>
Contacting us .....	11
Technical support resources .....	11

# 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**
- **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	x86_64, AARCH64, PPC64le
Amazon Linux	AMI, 2	x86_64
Apple MacOS	10.14 or later	x86_64, ARM64
CentOS Linux	5, 6, 7, 8	Current Linux architectures: s390, s390x, PPC64, PPC64le, IA-64, x86, x86_64, AARCH64
CentOS Stream	8	x86_64,
Debian	Current supported releases	x86_64, x86, AARCH64
Fedora Linux	Current supported releases	x86_64, x86, AARCH64
FreeBSD	10.x, 11.x, 12.x	x32, x64
HP-UX	11.31	PA, IA-64

<b>Platform</b>	<b>Version</b>	<b>Architecture</b>
IBM AIX	6.1, 7.1, 7.2	Power 4+
OpenSUSE	<a href="#">Current supported releases</a>	x86_64, x86, AARCH64
Oracle Enterprise Linux (OEL)	5, 6, 7, 8	Current Linux architectures: s390, s390x, PPC64, PPC64le, IA-64, x86, x86_64, AARCH64
Oracle Solaris	10 8/11 (Update 10), 11.x	SPARC, x64
Red Hat Enterprise Linux (RHEL)	5, 6, 7, 8	Current Linux architectures: s390, s390x, PPC64, PPC64le, IA-64, x86, x86_64, AARCH64
Rocky Linux	8	x86_64, AARCH64
SuSE Linux Enterprise Server (SLES)/Workstation	11, 12, 15	Current Linux architectures: s390, s390x, PPC64, PPC64le, IA-64, x86, x86_64, AARCH64
Ubuntu	<a href="#">Current supported releases</a>	x86_64, x86, AARCH64

# Installation

This section describes the installation of Ansible.

## 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.

## 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	<code>local_unix_user_conflicts</code> 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

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](http://www.YouTube.com/OneIdentity)
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product