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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.

Safeguard Authentication Services Ansible Guide
Updated - 19 May 2022, 11:44
Version - 5.0.7
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

<table>
<thead>
<tr>
<th>Platform</th>
<th>Version</th>
<th>Architecture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alma Linux</td>
<td>8</td>
<td>x86_64, AARCH64, PPC64le</td>
</tr>
<tr>
<td>Amazon Linux</td>
<td>AMI, 2</td>
<td>x86_64</td>
</tr>
<tr>
<td>Apple MacOS</td>
<td>10.14 or later</td>
<td>x86_64, ARM64</td>
</tr>
<tr>
<td>CentOS Linux</td>
<td>5, 6, 7, 8</td>
<td>Current Linux architectures: s390, s390x, PPC64, PPC64le, IA-64, x86, x86_64, AARCH64</td>
</tr>
<tr>
<td>CentOS Stream</td>
<td>8</td>
<td>x86_64</td>
</tr>
<tr>
<td>Debian</td>
<td>Current supported releases</td>
<td>x86_64, x86, AARCH64</td>
</tr>
<tr>
<td>Fedora Linux</td>
<td>Current supported releases</td>
<td>x86_64, x86, AARCH64</td>
</tr>
<tr>
<td>FreeBSD</td>
<td>10.x, 11.x, 12.x</td>
<td>x32, x64</td>
</tr>
<tr>
<td>HP-UX</td>
<td>11.31</td>
<td>PA, IA-64</td>
</tr>
<tr>
<td>Platform</td>
<td>Version</td>
<td>Architecture</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>IBM AIX</td>
<td>6.1, 7.1, 7.2</td>
<td>Power 4+</td>
</tr>
<tr>
<td>OpenSuSE</td>
<td>Current supported releases</td>
<td>x86_64, x86, AARCH64</td>
</tr>
<tr>
<td>Oracle Enterprise Linux (OEL)</td>
<td>5, 6, 7, 8</td>
<td>Current Linux architectures: s390, s390x, PPC64, PPC64le, IA-64, x86, x86_64, AARCH64</td>
</tr>
<tr>
<td>Oracle Solaris</td>
<td>10 8/11 (Update 10), 11.x</td>
<td>SPARC, x64</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux (RHEL)</td>
<td>5, 6, 7, 8</td>
<td>Current Linux architectures: s390, s390x, PPC64, PPC64le, IA-64, x86, x86_64, AARCH64</td>
</tr>
<tr>
<td>Rocky Linux</td>
<td>8</td>
<td>x86_64, AARCH64</td>
</tr>
<tr>
<td>SuSE Linux Enterprise Server (SLES)/Workstation</td>
<td>11, 12, 15</td>
<td>Current Linux architectures: s390, s390x, PPC64, PPC64le, IA-64, x86, x86_64, AARCH64</td>
</tr>
<tr>
<td>Ubuntu</td>
<td>Current supported releases</td>
<td>x86_64, x86, AARCH64</td>
</tr>
</tbody>
</table>
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

```yaml
---
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:

```bash
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

```yaml
---
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.

```bash
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:

```bash
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:

```bash
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:

```bash
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

```yaml
---
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.

```bash
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.
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:

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

<table>
<thead>
<tr>
<th>Reports in MCU</th>
<th>Equivalent in Ansible</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD User Conflicts</td>
<td>ad_user_conflicts role</td>
<td>User Reports</td>
</tr>
<tr>
<td>Local Unix Users</td>
<td>local_unix_users role</td>
<td>User Reports</td>
</tr>
<tr>
<td>Unix-enabled AD Users</td>
<td>unix_enabled_ad_users role</td>
<td>User Reports</td>
</tr>
<tr>
<td>Local Unix Users With AD Logon</td>
<td>local_unix_users_with_ad_logon role</td>
<td>User Reports</td>
</tr>
<tr>
<td>Local Unix User Conflicts</td>
<td>local_unix_user_conflicts role</td>
<td>User Reports</td>
</tr>
<tr>
<td>Local Unix Groups</td>
<td>local_unix_groups role</td>
<td>Group Reports</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Unix-enabled AD Groups</td>
<td>unix_enabled_ad_groups role</td>
<td>Group Reports</td>
</tr>
<tr>
<td>AD Group Conflicts</td>
<td>ad_group_conflicts role</td>
<td>Group Reports</td>
</tr>
<tr>
<td>Unix Computers in AD</td>
<td>unix_computers_in_ad role</td>
<td>Host Reports</td>
</tr>
</tbody>
</table>

Safeguard Authentication Services 5.0.7 Ansible Guide
Authentication Services Ansible Collection
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.
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- Sign up for product notifications
- Download software and technical documentation
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product