

## cms-ars-3.1-moderate-red-hat-enterprise-linux-7-stig-overlay

InSpec profile overlay to validate the secure configuration of Red Hat Enterprise Linux 7 against DISA's Red Hat Enterprise Linux 7 STIG Version 1 Release 4 tailored for CMS ARS 3.1 for CMS systems categories as Moderate.

Based on the InSpec Profile baseline maintained by the SIMP Project

### Getting Started

It is intended and recommended that InSpec and this profile overlay be run from a “**runner**” host (such as a DevOps orchestration server, an administrative management system, or a developer's workstation/laptop) against the target remotely over **ssh**.

**For the best security of the runner, always install on the runner the *latest version* of InSpec and supporting Ruby language components.**

Latest versions and installation options are available at the InSpec site.

Git is required to download the latest InSpec profiles using the instructions below. Git can be downloaded from the Git site.

### Running This Overlay

When the “**runner**” host uses this profile overlay for the first time, follow these steps:

```
mkdir profiles
cd profiles
git clone https://github.cms.gov/ISPG/cms-ars-3.1-moderate-red-hat-enterprise-linux-7-stig-overlay
git clone https://github.cms.gov/ISPG/inspec-profile-disa_stig-el7.git
cd cms-ars-3.1-moderate-red-hat-enterprise-linux-7-stig-overlay
bundle install
cd ..
inspec exec cms-ars-3.1-moderate-red-hat-enterprise-linux-7-stig-overlay --attrs=<path_to_your_target>
```

For every successive run, follow these steps to always have the latest version of this overlay and dependent profiles:

```
cd profiles/inspec-profile-disa_stig-el7
git pull
cd ../cms-ars-3.1-moderate-red-hat-enterprise-linux-7-stig-overlay
git pull
bundle install
cd ..
inspec exec cms-ars-3.1-moderate-red-hat-enterprise-linux-7-stig-overlay --attrs=<path_to_your_target>
```

## Long Running Controls

There are a few long running controls that take anywhere from 3 minutes to 10 minutes or more to run. In an ongoing or CI/CD pipeline this is not ideal. We have created an attribute in the profile to allow you to ‘skip’ these controls to account for situations.

The attribute `DISABLE_SLOW_CONTROLS` (`bool: false`) can be set to `true` or `false` as needed in the `attributes.yml` file.

- V-71849 (~3 minutes)
- V-71855 (~3 minutes)
- V-72037 (10+ minutes)

## Viewing the JSON Results

The JSON results output file can be loaded into **heimdall-lite** for a user-interactive, graphical view of the InSpec results.

The JSON InSpec results file may also be loaded into a **full heimdall server**, allowing for additional functionality such as to store and compare multiple profile runs.

## Authors

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## Special Thanks

- The SIMP Project Team
- Aaron Lippold
- Sam Cornwell

## Contributing and Getting Help

To report a bug or feature request, please open an issue.

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