cms-ars-3.1-moderate-oracle-mysql-ee-5.7-cis-overlay

InSpec profile overlay to validate the secure configuration of Oracle MySQL EE 5.7 against CIS's Oracle MySQL EE 5.7 Benchmark 1.0.0 tailored for CMS ARS 3.1 for CMS systems categorized as Moderate.

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.

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.

The following attributes must be configured in an attributes file for the profile to run correctly. More information about InSpec attributes can be found in the InSpec Profile Documentation.

```
# description: Username MySQL DB Server (e.g., 'root')
user: ''

# description: Password MySQL DB Server (e.g., 'P@ssw0rd1')
password: ''

# description: Hostname MySQL DB Server (e.g., 'localhost')
host: ''

# description: Port MySQL DB Server
port: 3306

# description: List of MySQL database users (e.g., ['root'])
mysql_users: []

# description: Set to true if the MySQL server has a slave configured
is_mysql_server_slave_configured: false

# description: List of MySQL administrative users (e.g., ['root'])
mysql_administrative_users: []

# description: List of MySQL users allows to modify or create data structures (e.g., ['root'
mysql_users_allowed_modify_or_create: []
```

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-dev/cms-ars-3.1-moderate-oracle-mysql-ee-5.7-cis-over
git clone https://github.com/mitre/oracle-mysql-ee-5.7-cis-baseline.git
cd cms-ars-3.1-moderate-oracle-mysql-ee-5.7-cis-overlay
bundle install
cd ..
inspec exec cms-ars-3.1-moderate-oracle-mysql-ee-5.7-cis-overlay --attrs=<path_to_your_attri
```

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

```
cd profiles/oracle-mysql-ee-5.7-cis-baseline
git pull
cd ../cms-ars-3.1-moderate-oracle-mysql-ee-5.7-cis-overlay
git pull
bundle install
cd ..
inspec exec cms-ars-3.1-moderate-oracle-mysql-ee-5.7-cis-overlay --attrs=<path_to_your_attri
```

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.

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Special Thanks

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Getting Help

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

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