

## cms-ars-3.1-moderate-oracle-database-12c-stig-overlay

InSpec profile overlay to validate the secure configuration of Oracle Database 12c against DISA's Oracle Database 12c STIG Version 1 Release 12 tailored for CMS ARS 3.1 for CMS systems categories as Moderate.

### Getting Started

It is intended and recommended that InSpec run this profile 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.**

The 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 Oracle DB (e.g., 'system')
user: ''
```

```
# description: Password Oracle DB (e.g., 'xvIA7zonxGM=1')
password: ''
```

```
# description: Hostname Oracle DB (e.g., 'localhost')
host: ''
```

```
# description: Service name Oracle DB (e.g., 'ORCLCDB')
service: ''
```

```
# description: Location of sqlplus tool (e.g., '/opt/oracle/product/12.2.0.1/dbhome_1/bin/sqlplus_bin: ''
```

```
# description: Set to true if standard auditing is used
standard_auditing_used: false
```

```
# description: Set to true if unified auditing is used
unified_auditing_used: false
```

```
# description: List of allowed database links
allowed_db_links: []
```

```

# description: List of allowed database admins
allowed_dbadmin_users: []

# description: List of users allowed access to PUBLIC
users_allowed_access_to_public: []

# description: List of users allowed the dba role
allowed_users_dba_role: []

# description: List of users allowed the system tablespace
allowed_users_system_tablespace: []

# description: List of application owners
allowed_application_owners: []

# description: List of allowed unlocked Oracle db accounts
allowed_unlocked_oracledb_accounts: []

# description: List of users allowed access to the dictionary table
users_allowed_access_to_dictionary_table: []

# description: List of users allowed admin privileges
allowed_users_with_admin_privs: []

# description: List of users allowed audit access
allowed_audit_users: []

# description: List of allowed dba object owners
allowed_dbaobject_owners: []

# description: List of allowed Oracle db components
allowed_oracledb_components: []

# description: List of Oracle db components allowed to be integrated into the dbms
allowed_oracledb_components_integrated_into_dbms: []

# description: List of allowed Oracle dba's
oracle_dbas: []

```

## 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.com/mitre/oracle-database-12c-stig-baseline.git
git clone https://github.com/cms.gov/isp/ars-3.1-moderate-oracle-database-12c-stig-overlay
cd cms-ars-3.1-moderate-oracle-database-12c-stig-overlay
bundle install
cd ..
inspec exec cms-ars-3.1-moderate-oracle-database-12c-stig-overlay --attrs=<path_to_your_attrs>
```

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

```
cd profiles/oracle-database-12c-stig-baseline
git pull
cd ../cms-ars-3.1-moderate-oracle-database-12c-stig-overlay
git pull
bundle install
cd ..
inspec exec cms-ars-3.1-moderate-oracle-database-12c-stig-overlay --attrs=<path_to_your_attrs>
```

## 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.

## Getting Help

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

## Authors

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## Special Thanks

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