

## cms-ars-3.1-high-microsoft-sql-server-2014-database-stig-overlay

InSpec profile overlay to validate the secure configuration of Microsoft SQL Server 2014 Database against DISA's Microsoft SQL Server 2014 Database STIG Version 1 Release 6 tailored for CMS ARS 3.1 for CMS systems categorized as High.

### 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 **winrm**.

**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 for MSSQL DB Server (e.g., null)
user:
```

```
# Description: Password for MSSQL DB Server (e.g., null)
password:
```

```
# Description: Hostname of MSSQL DB Server (e.g., null)
host:
```

```
# Description: Instance name of MSSQL DB Server (e.g., null)
instance:
```

```
# Description: Port number of MSSQL DB Server (e.g., 49789)
port:
```

```
# Description: Name of the specific database being evaluated within the MSSQL DB Server (e.g.
db_name: ''
```

```
# Description: Set to true if SQL Server Trace or Server Audit is required for audit purposes
server_trace_or_audit_required: false
```

# Description: Set to true if SQL Server Trace is in use for audit purposes  
server\_trace\_implemented: false

# Description: Set to true if SQL Server Audit is in use for audit purposes  
server\_audit\_implemented: false

# Description: Specify if SQL Server Audit is not in use at the database level  
server\_audit\_at\_database\_level\_required: false

# Description: User with `ALTER ANY DATABASE AUDIT` or `CONTROL` permission  
approved\_audit\_maintainers: []

# Description: Name of the timed job that automatically checks all system and user-defined p  
track\_stored\_procedures\_changes\_job\_name: ''

# Description: Name of the timed job that automatically checks all system and user-defined t  
track\_triggers\_changes\_job\_name: ''

# Description: Name of the timed job that automatically checks all system and user-defined f  
track\_functions\_changes\_job\_name: ''

# Description: Identify SQL Server accounts authorized to own database objects  
authorized\_principals: []

# Description: Set to true if data at rest encryption is required  
data\_at\_rest\_encryption\_required: false

# Description: Set to true if full disk encryption is in place  
full\_disk\_encryption\_inplace: false

# Description: Set to true if security labeling is required  
security\_labeling\_required: false

## 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-high-microsoft-sql-server-2014-database-stig-baseline.git
git clone https://github.com/mitre/microsoft-sql-server-2014-database-stig-baseline.git
cd cms-ars-3.1-high-microsoft-sql-server-2014-database-stig-overlay
bundle install
cd ..
inspec exec cms-ars-3.1-high-microsoft-sql-server-2014-database-stig-overlay --attrs=<path_t
```

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

```
cd profiles/microsoft-sql-server-2014-database-stig-baseline
git pull
cd ../cms-ars-3.1-high-microsoft-sql-server-2014-database-stig-overlay
git pull
bundle install
cd ..
inspec exec cms-ars-3.1-high-microsoft-sql-server-2014-database-stig-overlay --attrs=<path_t
```

## 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

- Eugene Aronne
- Danny Haynes

## Special Thanks

- Rony Xavier

## Getting Help

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

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