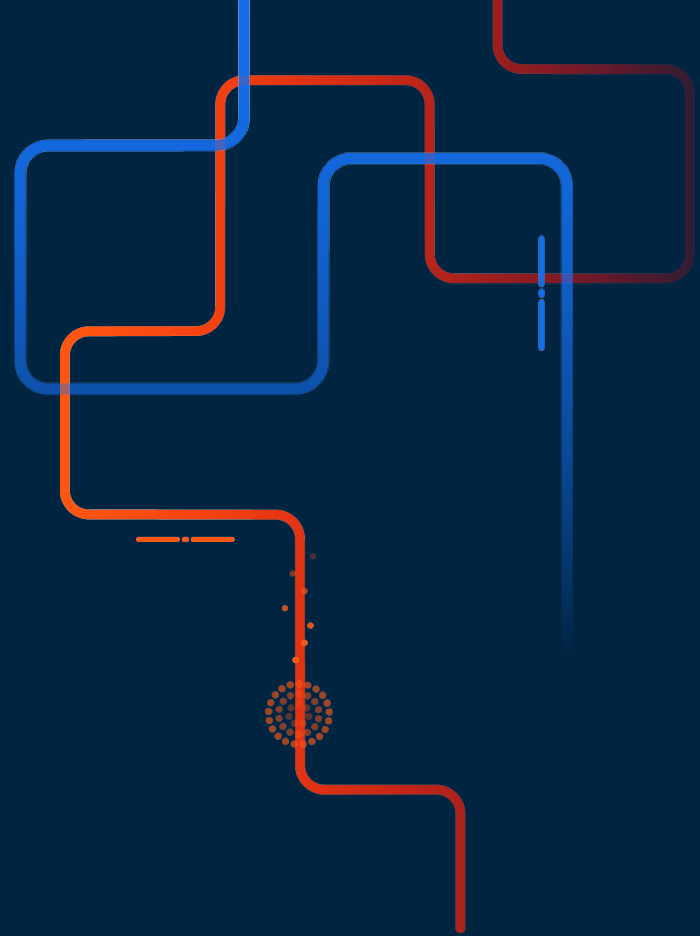


# Masking Oracle databases with Actifio

Initial Setup and testing



actifio

# Goal?

- Perform Data Masking using Actifio DataVeil software
  1. Test this manually and demonstrate adhoc masking
  2. Perform this using Direct Mount or LiveClone workflow

# What do we need?

- One Oracle Source Database we can mask
  - This is our Production Database
- We need three Oracle Servers, each with Oracle installed.
  - Production Server (Production Side – hosts the source DB)
  - Masking Server (Production Side – masks the source DB)
  - Development Server (Non-Production Side – uses the masked DB)
- For PoC we could use just one server (we don't need three)
  - But in production you would never mask and run non-prod on production server

# Three stages of life

	Production	Masking	NonProduction
Server	oraprod-1	oradv1	sydora-1
Database Name	prod	CPROD	MPROD

- Source database name – as seen by prod host
- Prep Mount database name - as seen by masking server
- Target database name – as seen by development server
- Make sure all three database names are unique, especially if doing this as a PoC/Demo on a single server!

# Now create your first Project

- Unzip DataVeil onto your masking server (you also need JRE 1.8)
- For Linux you need to decide which folder you unzip into, such as /opt
- Mount production database to masking server using the 'middle' name (i.e. mount 'prod' as 'CPROD')
- Start the dataveil exe, this may need an x11 app
- License DataVeil and note where you put the license file
- Connect DataVeil to the Oracle Database.
- Create Project using Actifio DataVeil
- Save Project and note where you saved the project and its filename

## On Masking Server we also need one shell script

- In addition to DataVeil software, License and Project file we need one shell script on the masking host
- We don't need any scripts on the source (production) host
- We don't need any scripts on the target host

Get it from here:

<https://github.com/Actifio/actifiodataveilmasking/blob/master/dvmask.sh>

# Customize shell script with six changes

1. Change dataveil path to match yours
2. Change Project path and name to match yours
3. Change key defined in project to match yours
4. Change log file path
5. Change license path and name to match yours
6. Change connection string to match yours

```
/opt/dataveil/bin/dataveil --nosplash --nogui -J-Dnetbeans.logger.console=true -J-Dorg.level=WARNING -J-Xms64m -J-Xmx512m --refreshschema=false --compilewarning=continue --createdirs=true --project="/opt/dataveil/userfiles/prodmask.dvp" --key="actifio" --log="/opt/dataveil/log/CPROD.log" --license="/opt/dataveil/userfiles/license.dvl" -con="{sid=CPROD,host=10.65.5.125,port=1521,user=scott,password=tiger}"
```

# Copy shell script to masking server

`/act/scripts/dvmask.sh`

- If you change the .sh file you need to change the workflow to point to the new name of the script
- You must use the `/act/scripts` folder, no other folder can be used



# Test your shell script

- Presuming we have created the project file and placed the shell script in the correct spot.
- Presuming the CPROD database is still mounted and ready
- Run the .sh script with the word 'test' as shown in the example:

```
/act/scripts/dvmask.sh test
```

- Now check the DataVeil log file defined in your shell script to ensure good masking has occurred.