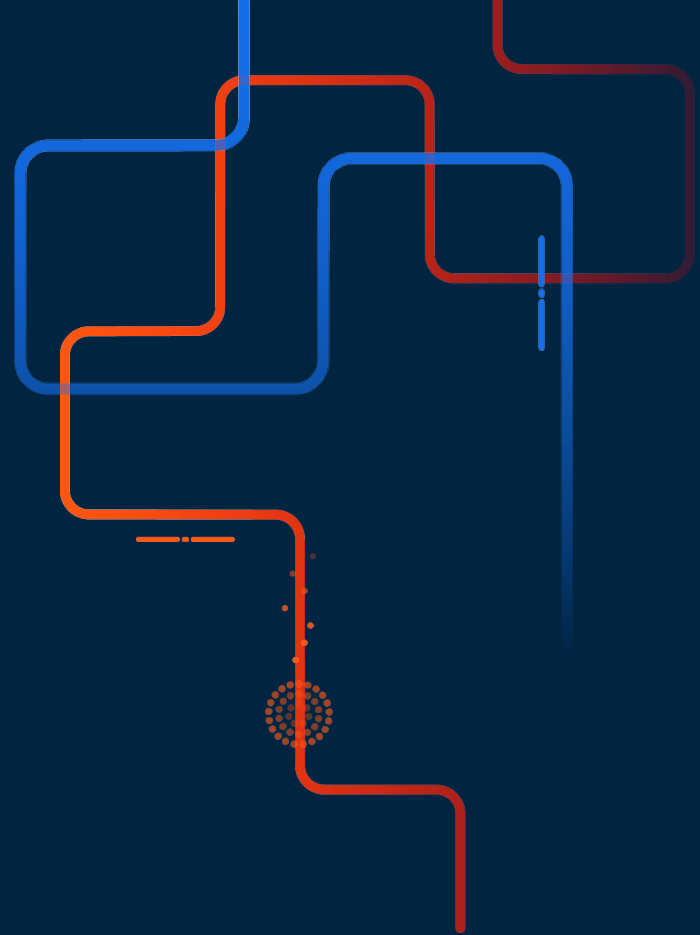


Masking Microsoft SQL with Actifio

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 MS SQL Source Database we can mask
 - This is our Production Database
- We need three Windows Servers, each with SQL 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	sql-2	dv1	sql-5
Database Name	finance	maskfinance	devfinance

- 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). Don't unzip into C:\Program Files
- Mount production database to masking server using the 'middle' name (i.e. mount 'finance' as 'maskfinance')
- Start and license DataVeil and note where you put the license file
- Create Project using Actifio DataVeil
- Save Project and note where you save the project and its name

On Masking Server we also need one bat file

- In addition to DataVeil software, License and Project file we need one bat file 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.bat>

Customize bat file with five changes

1. Change dataveil64.exe path to match yours
2. Change Project path and name to match yours
3. Change key defined in project to match yours
4. Change license path and name to match yours
5. Change log file path

```
START "MaskWindow" /WAIT "D:\\DataVeil\\bin\\dataveil64.exe" ^  
--nosplash --nogui -J-Dnetbeans.logger.console=true -J-  
Dorg.level=WARNING -J-Xms64m -J-Xmx512m --  
compilewarning=continue --createdirs=true ^  
--project="D:\\DV_Files\\FinMask_av.dvp" ^  
--key="actifio" ^  
--license="D:\\DV_Files\\license.dvl" ^  
--log="D:\\logs\\dvlog.txt!"
```

Copy bat file to masking server

C:\Program Files\Actifio\Scripts\dvmask.bat

- If you change the .bat file name you need to change the workflow to point to the new name of the script
- You must use the C:\Program Files\Actifio\Scripts folder, no other folder can be used
- DO NOT put any other files called by the Batch file into C:\Program Files

Test your bat file

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

```
c:  
cd "program Files\Actifio\Scripts"  
dvmask.bat test
```

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