

Tim Wilson

From: Tony Rogerson <Tony.Rogerson@clarionhg.com>
Sent: 12 December 2023 13:22
To: Alex Higgs; Tim Wilson
Cc: Gordon Dixon
Subject: RE: Snowflake Scripts

Definitely in there (SHOW USERS)

TONY.ROGERSON@CLARIONHG.COM

It's owner is AAD_PROVISIONER – is that what the problem is here?

Resolved, had to quote the identifier because of the invalid characters that SSO gives us.

```
USE DATABASE SNOWFLAKE;  
  
USE ROLE USERADMIN;  
  
SET USER_NAME = ' "TONY.ROGERSON@CLARIONHG.COM" ' ;  
SET USER_DBNAME = 'TONYROGERSON';  
SHOW VARIABLES LIKE '%USER_%';  
GRANT ROLE IDENTIFIER($USER_DBNAME) TO USER IDENTIFIER($USER_NAME);
```

From: Alex Higgs <alex.higgs@data-vault.com>
Sent: Tuesday, December 12, 2023 1:04 PM
To: Tim Wilson <tim.wilson@data-vault.com>; Tony Rogerson <Tony.Rogerson@clarionhg.com>
Cc: Gordon Dixon <gordon.dixon@data-vault.com>
Subject: RE: Snowflake Scripts

Yes, this would have been my next suggestion, does a user with that username (email address) exist?

Double check casing and such.

Thanks,

Alex Higgs
Senior Consultant Data Engineer
e: alex.higgs@data-vault.com
m: +44 (0) 2392637171
w: www.data-vault.com
li: [alex-higgs-dv](https://alex-higgs-dv.github.io)



From: Tim Wilson <tim.wilson@data-vault.com>
Sent: Tuesday, December 12, 2023 11:42 AM
To: Tony Rogerson <Tony.Rogerson@clarionhg.com>
Cc: Gordon Dixon <gordon.dixon@data-vault.com>; Alex Higgs <alex.higgs@data-vault.com>
Subject: RE: Snowflake Scripts

Hi Tony,

Your Snowflake error highlights \$USER_NAME. Is the value defined for USER_NAME actually a valid Snowflake user name? You can check your user names by running **SHOW USERS;**

Tim

From: Tony Rogerson <Tony.Rogerson@clarionhg.com>
Sent: Tuesday, December 12, 2023 11:34 AM
To: Alex Higgs <alex.higgs@data-vault.com>
Cc: Gordon Dixon <gordon.dixon@data-vault.com>; Tim Wilson <tim.wilson@data-vault.com>
Subject: RE: Snowflake Scripts

```
Execute
1  USE DATABASE SNOWFLAKE;
2
Execute
3  USE ROLE USERADMIN;
4
Execute
5  SET USER_NAME = 'TONY.ROGERSON@CLARIONHG.COM';
Execute
6  SET USER_DBNAME = 'TONYROGERSON';
Execute
```

name	value
USER_DBNAME	TONYROGERSON
USER_NAME	TONY.ROGERSON@CLARIONHG.COM

From: Alex Higgs <alex.higgs@data-vault.com>
Sent: Tuesday, December 12, 2023 11:31 AM
To: Tony Rogerson <Tony.Rogerson@clarionhg.com>
Cc: Gordon Dixon <gordon.dixon@data-vault.com>; Tim Wilson <tim.wilson@data-vault.com>
Subject: RE: Snowflake Scripts

Hi Tony,

Strange indeed!

Can you run this *after* the existing script.

SHOW VARIABLES LIKE '%USER_%'

[Docs, if needed](#)

This will display what variables are scoped in your current context and should display both if the SETs are working correctly.

Thanks,

Alex Higgs
Senior Consultant Data Engineer
e: alex.higgs@data-vault.com
m: +44 (0) 2392637171
w: www.data-vault.com
li: [alex-higgs-dv](#)



From: Tony Rogerson <Tony.Rogerson@clarionhg.com>
Sent: Tuesday, December 12, 2023 11:10 AM
To: Alex Higgs <alex.higgs@data-vault.com>
Cc: Gordon Dixon <gordon.dixon@data-vault.com>; Tim Wilson <tim.wilson@data-vault.com>
Subject: RE: Snowflake Scripts

Yep – ran the entire script, have also copied just below into a new window and ran it all – same issue, really odd.

```
USE DATABASE SNOWFLAKE;  
  
USE ROLE USERADMIN;
```

```
SET USER_NAME = 'TONY.ROGERSON@CLARIONHG.COM';  
SET USER_DBNAME = 'TONYROGERSON';  
GRANT ROLE IDENTIFIER($USER_DBNAME) TO USER IDENTIFIER($USER_NAME);
```

Running....

```
⊗ GRANT ROLE IDENTIFIER($USER_DBNAME) TO USER IDENTIFIER($  
✓ SET USER_DBNAME = 'TONYROGERSON';  
✓ SET USER_NAME = 'TONY.ROGERSON@CLARIONHG.COM';  
✓ USE ROLE USERADMIN;
```

From: Alex Higgs <alex.higgs@data-vault.com>
Sent: Tuesday, December 12, 2023 11:07 AM
To: Tony Rogerson <Tony.Rogerson@clarionhg.com>
Cc: Gordon Dixon <gordon.dixon@data-vault.com>; Tim Wilson <tim.wilson@data-vault.com>
Subject: RE: Snowflake Scripts

Hi Tony,

Those changes all make sense.

Have you made sure you have run the two SET statements prior to the GRANT statement?

Appreciate you probably have, just want to with simple debugging first.

Thanks,

Alex Higgs
Senior Consultant Data Engineer
e: alex.higgs@data-vault.com
m: +44 (0) 2392637171
w: www.data-vault.com
li: alex-higgs-dv



From: Tony Rogerson <Tony.Rogerson@clarionhg.com>
Sent: Tuesday, December 12, 2023 10:52 AM
To: Alex Higgs <alex.higgs@data-vault.com>

Cc: Gordon Dixon <gordon.dixon@data-vault.com>; Tim Wilson <tim.wilson@data-vault.com>

Subject: RE: Snowflake Scripts

Hi Alex,

Just running the scripts, made the following changes:

Role DEVELOPER is now SNOWFLAKE_RBAC_AS_BI_DEV_DATAENGINEER to be inline with our standards and SSO sync with EntraID, we'll have a different role for the elevated permissions we need later – I need to work out the "RBAC – Roll-based Access Control" for the different persona.

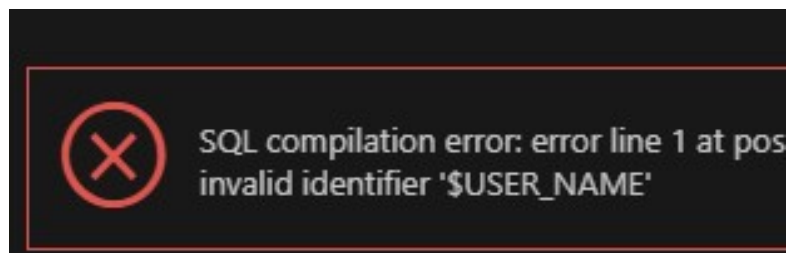
The database schema DATA_PRODUCTS is now DATPROD_COMPLAINTS to reflect a schema per data product.

The database schema STAGING is now STAGING_DYNCRM to reflect a schema per operational system.

Got some issues with the scripts, not sure if it's what I've done or the SSO stuff...

```
USE DATABASE SNOWFLAKE;  
  
USE ROLE USERADMIN;  
  
SET USER_NAME = 'TONY.ROGERSON@CLARIONHG.COM';  
SET USER_DBNAME = 'TONYROGERSON';  
GRANT ROLE IDENTIFIER($USER_DBNAME) TO USER IDENTIFIER($USER_NAME);
```

Gives error below, I can't work out what's going on here – that identifier is definitely in there.



From: Alex Higgs <alex.higgs@data-vault.com>

Sent: Monday, December 4, 2023 1:41 PM

To: Tony Rogerson <Tony.Rogerson@clarionhg.com>; Jonathan Small <Jonathan.Small@clarionhg.com>

Cc: Gordon Dixon <gordon.dixon@data-vault.com>; Tim Wilson <tim.wilson@data-vault.com>

Subject: Snowflake Scripts

Hi both,

Thanks for our call just now.

Please find attached some initial Snowflake setup scripts for provisioning a development database, schemas and compute warehouses, an ingestion database for landing data and user sandboxes.

A README is included, though please reach out if you have any issues.

Currently this script provisions a STAGING schema instead of a database as discussed in our call. Please feel free to modify it as needed, though I am also happy to modify it on your behalf; just let me know.

Thanks,

Alex Higgs

Senior Consultant Data Engineer

e: alex.higgs@data-vault.com

m: +44 (0) 2392637171

w: www.data-vault.com

li: [alex-higgs-dv](https://alex-higgs-dv.github.io)



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