Step-by-step guide -How to generate AWR report.

1. Login to NFT environment or dockerdb environment
   * Login to NFT environment

* Logon to the Database server. In SIAM NFT environment, this will be *syd-nft-siam-db-01*
* You need to logon or sudo as *oracle* Unix user.
* Enter sqlplus command prompt:

|  |
| --- |
| **sqlplus sys as sysdba** |

* You will be prompted with sys's password.
  + Login to Docker DB environment
    - Enter into the docker db container

docker exec -it -u oracle db bash

* + - Go to the bin folder

cd /oracle/product/12.1/db/bin

* Enter sqlplus command prompt:

./sqlplus sys/password as sysdba

1. Take the first database snapshot by executing the following command n the sqlplus prompt:

|  |
| --- |
| **EXEC DBMS\_WORKLOAD\_REPOSITORY.create\_snapshot;** |

Tips: note down the time as 'start time'

Wait for around 2 minutes or run the application for which you want to generate the AWR report.

1. Take the second database snapshot by executing the following command n the sqlplus prompt (identical command as in 4):

|  |
| --- |
| **EXEC DBMS\_WORKLOAD\_REPOSITORY.create\_snapshot;** |

Tips: note down the time as 'end time'

1. Then generate AWR report between those two snapshots by executing the following command in the sqlplus prompt:

| **@$ORACLE\_HOME/rdbms/admin/awrrpt.sql** |
| --- |

* + This will lead to interactive mode where you need to supply:
    - Format of AWR report, e.g. "html"
    - Period of snapshot required, e.g. "1"
    - Supply the start snapshot id taken around the 'start time'
    - Supply the end snapshot id taken around the 'end time'
    - Supply the name for the AWR report, e.g. "SIAM\_16Jan2018\_1\_Coef1.2\_RAC.html"

1. The AWR report should be generated in the current directory.
2. **Optional Step for Docker only**: If you want to copy the AWR report from docker location (/oracle/product/12.1/db/bin) to local host then
   * Exit from the docker
   * docker cp ccf1bbb5d31a:/oracle/product/12.1/db/bin/billerawrreport.html /tmp/