Concept DataAccessLayer vs Security (dd. 21-09-2023)

AWS-REDSHIFT-BASE-REPLACTION TABLES

Oracle-db: UNILAB  
**tables**: unilab-data

Oracle-db-INTERSPEC  
**tables**: interspec-data

Schema: **sc\_interspec\_ens**  
**tables**: interspec-data

Schema: **sc\_unilab\_ens**  
**tables:** unilab-data

AWS-REDSHIFT-CLUSTER **FULL**-DATA-ACCESS-LAYER

Data-Access-Schema: **sc\_lims\_dal**

Role: Internal-Connections  
Users: Athena

ATHENA  
Reports

Application-Roles

AWS-users  
/Apollo-AD

AWS-REDSHIFT-CLUSTER: redshift-cluster-rna.db\_lims

1:1 TECH-REPLICATION

UNILAB

Application

INTERSPEC

Dev/Maintenance

Dev/Maintenance

Dev/Maintenance

APOLLO-ORACLEPROD:

AWS-REDSHIFT-**FILTERED**-LAYER

AccessSchema: **sc\_lims\_dal\_AI**  
**Filter**: samples-Indoor, etc

Role: Sensitive  
Users: AI/ML

AI/ML-workstation

DREMIO  
Reports

**LOGICAL-AI-Views**:   
unilab-data  
interspec-data

**SourceTable-Views:**unilab/interspec-data (1:1)

Role: Internal-Connections  
Users: Dremio

**ATHENA-REPORT-Views:**unilab-data  
interspec-data

**POWERBI-USA-Views:**interspec-data

Role: Internal-Connections  
Users: USA

POWERBI  
USA-Report

Role: Internal-Connections  
Users: PROD

POWERBI  
PROD-Report

**POWERBI-PROD -Views:**unilab-data  
interspec-data

VPN/APOLLO-NETWORK

POWERBI  
DEDICATED-USERS

**POWERBI- Views:**unilab-data  
interspec-data

AWS-REDSHIFT-**FILTERED**-LAYER

AccessSchema: **sc\_lims\_dal\_powerBI**  
**Filter**: ??

AWS-AURORA:

**BLOB-files:   
unilab-data**

AWS-REDSHIFT-CLUSTER: redshift-cluster-rna.db\_lims

Dev/Maintenance

AccessSchema: **sc\_lims\_dal\_SelfService**  
**Filter**: none