CURRENT STATE: 4 Distinct environments, serving the same solution (Comprehensive EDW; *"Rogue1"*), with virtually no interoperability, very few (informal) standards in place, and numerous configuration inconsistencies

- Code (DML, DDL, logic) deployed directly to PROD (*"Doing development in Prod."*)

- Real-world insights derived from DEV (*"Treating Dev. as if it were Prod."*)

- ETL routines into lower environments – each routine curated independently

- Configuration facets dictated from SNC architecture standards (*"VERY limited IPs in the Rogue1 subnets – tech debt from SNC" - per Al Dass*)

- Configuration facets inconsistently applied across SDLC environment

- Numerous server level collation levels

- Numerous DB compatibility levels

- No formal process to enable effective development or testing

- No formal process to promote from lower environments to "PROD"

- No formal process to obfuscate / mask sensitive data attributes

- No informal development / prototyping environment

LEGEND:

= *"Multiple"*

+O— Synchronized —O+

✗ **NOT** Synchronized ✗

↕ **MAY** BE Synchronized
UNKNOWN LOE

↕ **CAN** BE Synchronized
KNOWN LOE

↓ Promotion / Release Process
KNOWN LOE

↓ Database Backup / Restore Process
KNOWN LOE

↓ Programmatic Process
UNKNOWN LOE

PROD | SERVER | DBMS | DB | ETL | • ADF • SSIS • SQL Agent • Alteryx • Etc.

UAT | SERVER | DBMS | DB | ETL | • ADF • SSIS • SQL Agent • Alteryx • Etc.

TEST | SERVER | DBMS | DB | ETL | • ADF • SSIS • SQL Agent • Alteryx • Etc.

DEV | SERVER | DBMS | DB | ETL | • ADF • SSIS • SQL Agent • Alteryx • Etc.

MS Azure SQLMI
#Azure Tenant
#Azure Subscription
#Azure VNets
#Azure Subnets

"Latest Stable Version of SQL Server"

Instance Layer Configs
Server Collation
Account Variations
Agent Variations
Enabled Feature Variations

DBs
Compatibility Levels
Collations
Data Variations
Code Variations
ETL Variations