

Direct From The Heart Of A Co-op



Ojas Phansekar



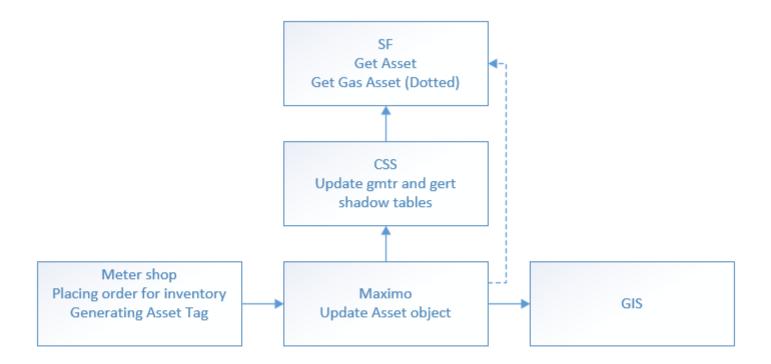
Induction

- Introduction to team members
- One-on-One interactions with each team member
- Introduction to the project by Nicolas Raad
- Access to different systems
- Knowing individual contributions to the team



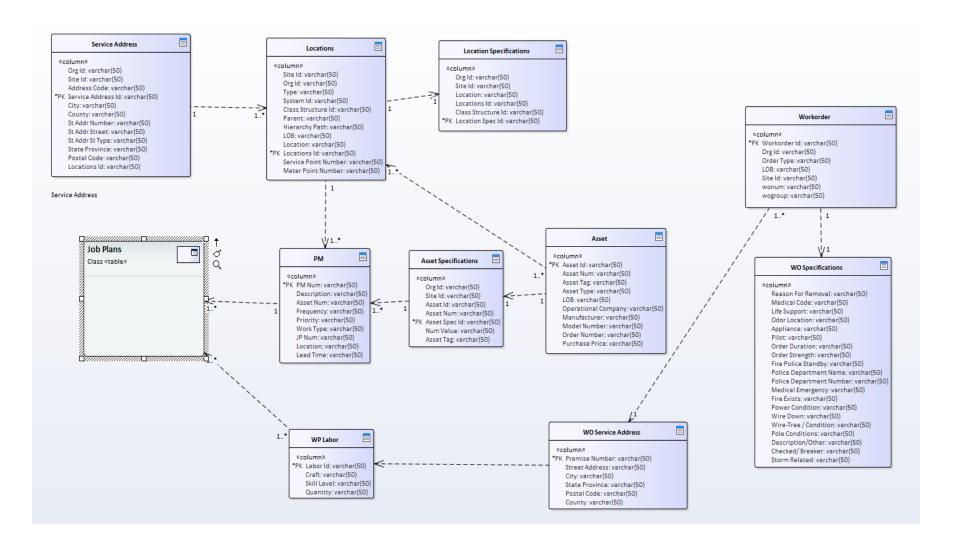
Kick Start

First Major Assignment — Data Flows





Data Model On Sparx Enterprise Architecture





Project – Defect Analysis

Defects Analysis

Segregation by Category and Status

Categorization	Status	Defect Count	Time Spent
Data Integration	Closed	8.0	69.0
	Total	12.0	69.0
Functionality	Closed	67.0	657.0
	Open	4.0	
	Total	84.0	657.0
Data Conversion	Closed	11.0	41.0
	Total	12.0	41.0
Data Migration	Closed	7.0	35.0
	Total	7.0	35.0
Grand Total		115.0	802.0

Time Spent by Different Sub-Capabilities on Defects



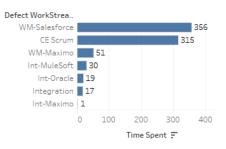
Average Number of Days Spent Per Category



Segregation by Category and Status Other Than Open and Closed

Categorization	Status	Defect Count	Time Spent
Data Integration	In Progress	1.0	
	In QA	1.0	
	New	2.0	
	Total	12.0	69.0
Functionality	Assigned	1.0	
	In Progress	2.0	
	In QA	4.0	
	New	6.0	
	Total	84.0	657.0
Data Conversion	New	1.0	
	Total	12.0	41.0
Data Migration	Total	7.0	35.0
Grand Total		115.0	802.0

Time spent on different Workstreams

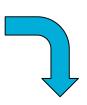




PA 2.3 Cutover

External Ref Ids are missing and Pwc(ERIC) is raising a low priority for it

```
select [STATUS],
[EXTERNALREFID],
[DESCRIPTION],
[SERIALNUM],
--[INSTALLDATE],
[CLASSSTRUCTUREID],
[NG_OPCO],
[NG_MANUFACTURER],
[NG_MODELNUM]
from [MX].[asset_recon]
where GROUPNAME like 'NG_VCMTRS'
```



	STATUS	EXTERNALREFID	DESCRIPTION	SERIALNUM	CLASSSTRUCTUREID	NG_OPCO	NG_MANUFACTURER	NG_MODELNUM
1	ACTIVE		Volume Corrector, Mercury-Mini-ATP 0-15#	11082728	1063	5360	MC	Mini-ATP 0-15#
2	ACTIVE		Volume Corrector, Mercury-MiniMax Atp 0-15#	13190466	1063	5360	MC	MiniMax Atp 0-1
3	ACTIVE		Volume Corrector, Mercury-Mini P 0-100#	9503308	1063	5360	MC	Mini P 0-100#
4	ACTIVE		Volume Corrector, Mercury-Minimax ATP 0-150#	13190487	1063	5360	MC	Minimax ATP 0-1
5	ACTIVE		Volume Corrector, Mercury-Mini-ATP 0-60#	926215	1063	5360	MC	Mini-ATP 0-60#
6	ACTIVE		Volume Corrector, Mercury-Mini-P 0-6#	9403775	1063	5360	MC	Mini-P 0-6#
7	ACTIVE		Volume Corrector, Mercury-Mini-PT 0-100#	9806121	1063	5360	MC	Mini-PT 0-100#
8	ACTIVE		Volume Corrector, Mercury-Mini-AT-PT 0-60#	924464	1063	5360	MC	Mini-AT-PT 0-60
9	ACTIVE		Volume Corrector, Mercury-Mini-Max ATP 0-6#	13078205	1063	5360	MC	Mini-Max ATP 0-
10	ACTIVE		Volume Corrector, Mercury-Mini max-atp 0-100#	11046576	1063	5360	MC	Mini max-atp 0-
11	ACTIVE		Volume Corrector, Honeywell-Mini MAX0-6	13078207	1063	5360	HO	Mini MAX0-6
12	ACTIVE		Volume Corrector, Mercury-Mini-atp 0-100#	407336	1063	5360	MC	Mini-atp 0-100#
13	ACTIVE		Volume Corrector, Mercury-Mini max-atp 0-100#	11046544	1063	5360	MC	Mini max-atp 0-
14	ACTIVE		Volume Corrector, Honeywell-Mini MAX0-6	13112103	1063	5360	HO	Mini MAX0-6
15	ACTIVE		Volume Corrector, Mercury-Mini ATPT 0-6#	12041515	1063	5360	MC	Mini ATPT 0-6#
16	ACTIVE		Volume Corrector, Mercury-Mini-P 0-6#	207369	1063	5360	MC	Mini-P 0-6#



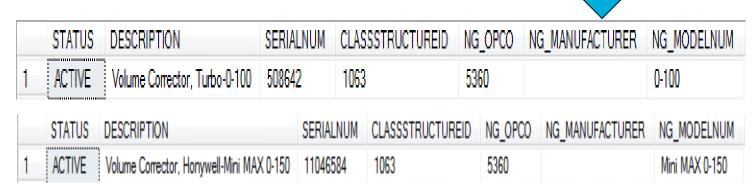
PA 2.3 Cutover

Manufacturer field is null in the Source table VWRI_Volume_Corrector_RI and it is blank in Target table

Source Table

	-	DESCRIPTION	evc_no	CLASSSTRUCTUREID	NG_OPCO	MANUFACTURER	evc_type
1		Volume Corrector, Honywell-Mini MAX 0-150	11046584	1063	5360	NULL	Mini MAX 0-150
2	ACTIVE	Volume Corrector, Turbo-0-100	508642	1063	5360	NULL	0-100

Target Table

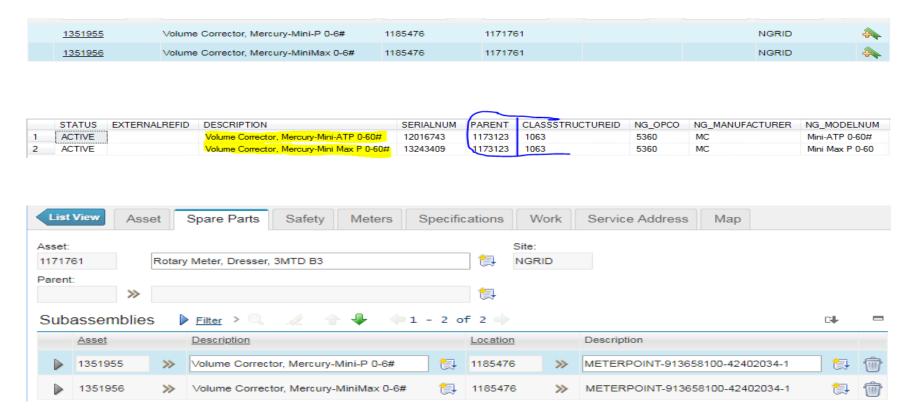




PA 2.3 Cutover

Wrong Scenario Detected:

- One Meter can have multiple Volume Correctors
 Checked the hierarchy like having appropriate volume correctors tied to the meters
- ❖ 1171761, 1173123 Asset Numbers have multiple Volume Correctors





PA 2.3 Cutover

Query capturing Multiple Volume Correctors for One Meter

Select A.ASSETNUM

,A.LOCATION

,B.PARENT

,VCV.vc_status

,VCV.DESCRIPTION

,VCV.evc_no

,VCV.CLASSSTRUCTUREID

,VCV.NG OPCO

,VCV.MANUFACTURER,

VCV.evc_type

FROM [Volume_Correctors].[VWRI_Volume_Corrector_RI] VCV

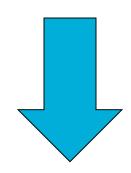
LEFT JOIN [MX].[asset_recon] A ON

VCV.[PARENT EXTERNALREFID] = A.EXTERNALREFID

LEFT JOIN [MX].[asset_recon] B ON

A.ASSETNUM = B.PARENT AND

B.NG_EQTYPE = 'VC'





PA 2.3 Cutover

	ASSETNUM	LOCATION	PARENT	vc_status	DESCRIPTION	evc_no	CLASSSTRUCTUREID	NG_OPCO	MANUFACTURER	evc_type	
	1270106	1467200	1270106	ACTIVE	Volume Corrector, Mercury-Mini-ATP 0-60#	212912	1063	5360	MC	Mini-ATP 0-60#	
	1212333	1372667	1212333	ACTIVE	Volume Corrector, Mercury-Mini-atp 0-6#	1062300	1063	5360	MC	Mini-atp 0-6#	
	1247163	1459718	1247163	ACTIVE	Volume Corrector, Mercury-Mini-P 0-6#	13566	1063	5360	MC	Mini-P 0-6#	
	1246608	1188211	1246608	ACTIVE	Volume Corrector, Mercury-Mini AT P0-6	937754	1063	5360	MC	Mini AT P0-6	
	1247198	1292488	1247198	ACTIVE	Volume Corrector, Mercury-Mini-P 0-6#	9403773	1063	5360	MC	Mini-P 0-6#	
	1281633	1299858	1281633	ACTIVE	Volume Corrector, Mercury-Mini-ATP 0-150#	13084097	1063	5360	MC	Mini-ATP 0-150#	
	1281634	1266555	1281634	ACTIVE	Volume Corrector, Mercury-Mini ATP 0-15#	13078236	1063	5360	MC	Mini ATP 0-15#	
	1281639	1444828	1281639	ACTIVE	Volume Corrector, Mercury-Mini P 0-6#	9901886	1063	5360	MC	Mini P 0-6#	
	1169192	1313961	1169192	ACTIVE	Volume Corrector, Honeywell-Mini MAX	13139410	1063	5360	НО	Mini MAX	
0	1169193	1240209	1169193	ACTIVE	Volume Corrector, Honeywell-Mini MAX0-100	11046585	1063	5360	HO	Mini MAX0-100	
1	1169227	1415763	1169227	ACTIVE	Volume Corrector, Mercury-Mini-ATP 0-100#	11082733	1063	5360	MC	Mini-ATP 0-100#	
2	1169232	1379203	1169232	ACTIVE	Volume Corrector, Mercury-Mini-P 0-6#	9403775	1063	5360	MC	Mini-P 0-6#	
3	1169099	1343095	1169099	ACTIVE	Volume Corrector, Mercury-MiniMax ATP 0-6#	13190518	1063	5360	MC	MiniMax ATP 0-6	
4	1168334	1337276	1168334	ACTIVE	Volume Corrector, Mercury-Mini-PT 0-60#	9610662	1063	5360	MC	Mini-PT 0-60#	
5	1168358	1347813	1168358	ACTIVE	Volume Corrector, Mercury-Mini AT-P0-15	522794	1063	5360	MC	Mini AT-P0-15	
6	1170205	1400692	1170205	ACTIVE	Volume Corrector, Mercury-Mini ATP 0-60#	1062317	1063	5360	MC	Mini ATP 0-60#	
_	4470000	4004544	4470000	AOTUE		0044	4000	5000			

				1						
	ASSETNUM	LOCATION	PARENT	vc_status	DESCRIPTION	evc_no	CLASSSTRUCTUREID	NG_OPCO	MANUFACTURER	evc_type
1	1173123	1461652	1173123	ACTIVE	Volume Corrector, Mercury-Mini-ATP 0-60#	12016743	1063	5360	MC	Mini-ATP 0-60#
2	1173123	1461652	1173123	ACTIVE	Volume Corrector, Mercury-Mini-ATP 0-60#	12016743	1063	5360	MC	Mini-ATP 0-60#
3	1173123	1461652	1173123	ACTIVE	Volume Corrector, Mercury-Mini Max P 0-60#	13243409	1063	5360	MC	Mini Max P 0-60
4	1173123	1461652	1173123	ACTIVE	Volume Corrector, Mercury-Mini Max P 0-60#	13243409	1063	5360	MC	Mini Max P 0-60



PA 2.3 Mock 3 & Cutover

- ❖ Built SQL Queries to create a customized view of the columns from various tables using joins and then navigated on to Salesforce UAT Environment and validated data for each Customer (Residential and Commercial), Billing Account and Premise Profile
- ❖ Below are the few queries which I built by joining various tables following the get calls document

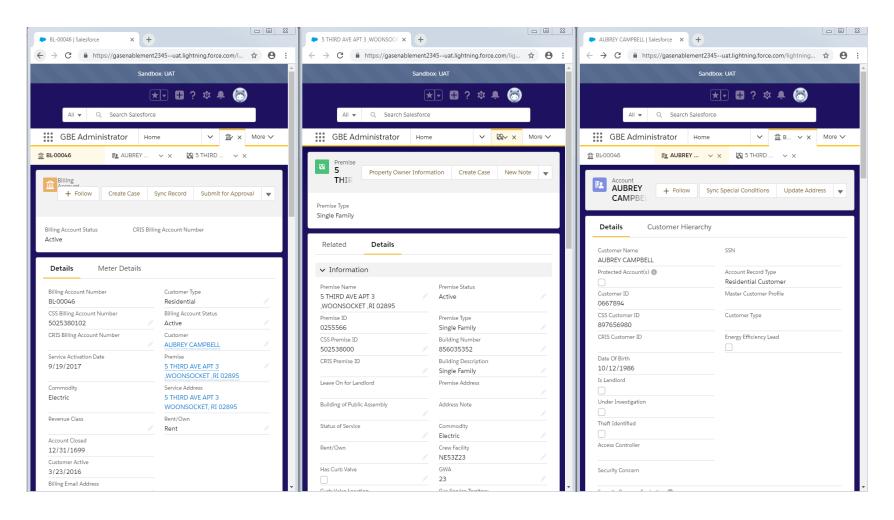


```
/***** Customer Profile *****/
SELECT
           SAD.[KY CUST NO]
                      ,SAD.[NM_COMPRESSED]
                      ,SAD.[NM_CUST_1ST_1]
                      ,SAD.[NM_CUST_MID_1]
                      ,SAD.[NM CUST LST 1]
                      ,Cust.[TX_HOME_ACD]
                      ,Cust.[TX_HOME_PHN_NO]
                      ,Cust.[TX_HOME_PHN_EXTN]
                      ,Cust.[TX_BUS_ACD]
                      ,Cust.[TX BUS PHN NO]
                      ,Cust.[TX_BUS_PHN_EXTN]
                      ,Cust.[CD_CUST_TYPE]
                      ,demo.[DT_CUST_BIRTH]
                      ,SAD.[KY SSN]
                      ,adr.[AD LN]
                      ,bacustcr.[DT TEMP MAIL END]
                      ,bacustcr.[DT_TEMP_MAIL_START]
                      ,Cust.[NO_LOCK_SEQ_CUST]
 FROM [CSS].[CU01TB01 SAD] as SAD
 inner join [CSS].[CU03TB01 CUSTOMER] as Cust
 on SAD.[KY_CUST_NO] = Cust.[KY_CUST_NO]
 inner join [CSS].[CU03TB19_CUST_DEMO] as demo
 on Cust.[KY_CUST_NO] = demo.[KY_CUST_NO]
inner join [CSS].[CU02TB02 ADDRESSES] as adr
 on SAD.[KY AD] = adr.[KY AD]
 inner join [CSS].[CU03TB07_BACUSTCR] as bacustcr
 on SAD.[KY_BA] = bacustcr.[KY_BA]
 where SAD.[KY CUST NO] = 866002791
```

- Here we need to actually look into the mapping document and spot check by applying joins.
- Mapping Documents helped me understand the conversions taken place for various fields



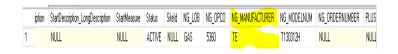
Screenshots of Validations Performed:





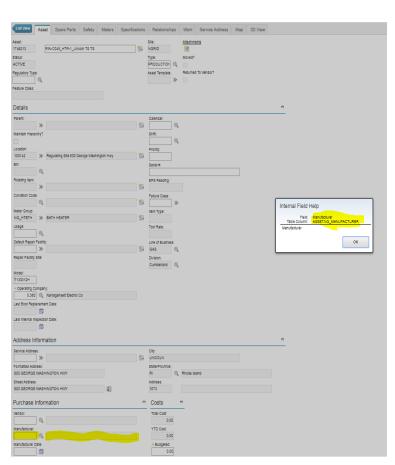
PA 2.3 Mock 3 I&R Assets

Source NG_Landing





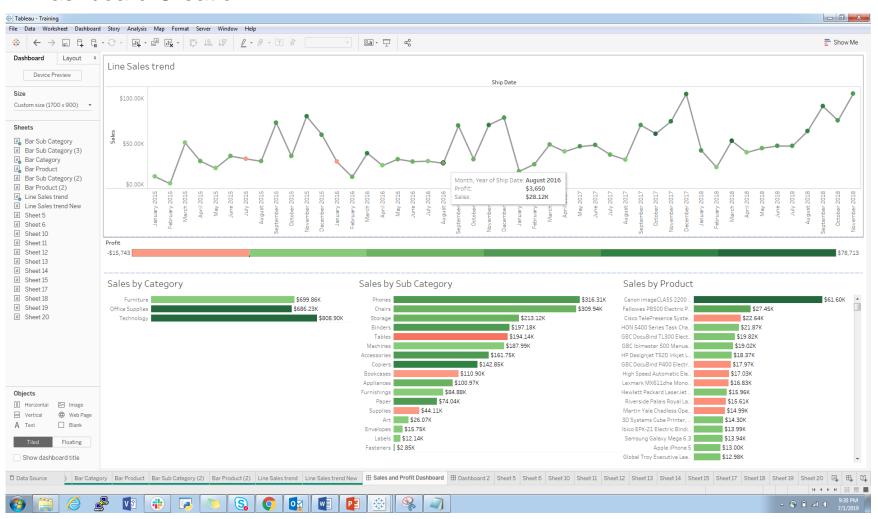
Target Maximo





Learning Outcome - Tableau Training (Reswoods)

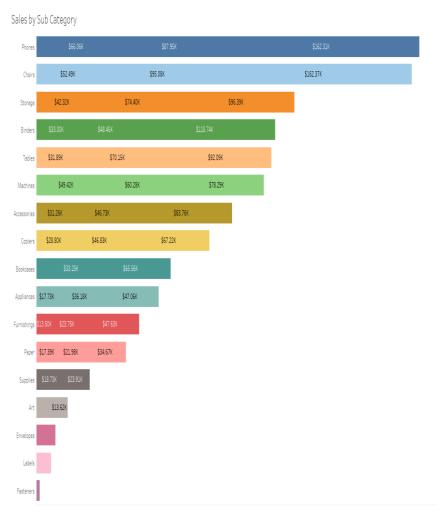
Dashboard Creation

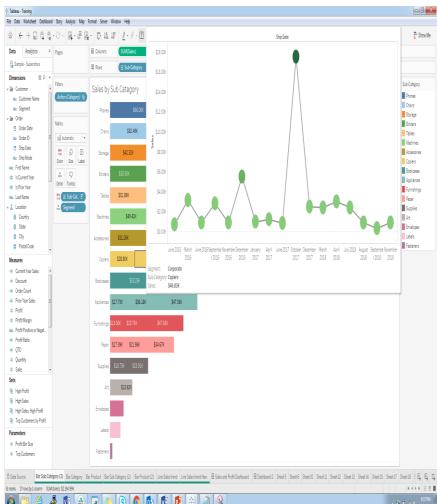




Learning Outcomes – Tableau Training

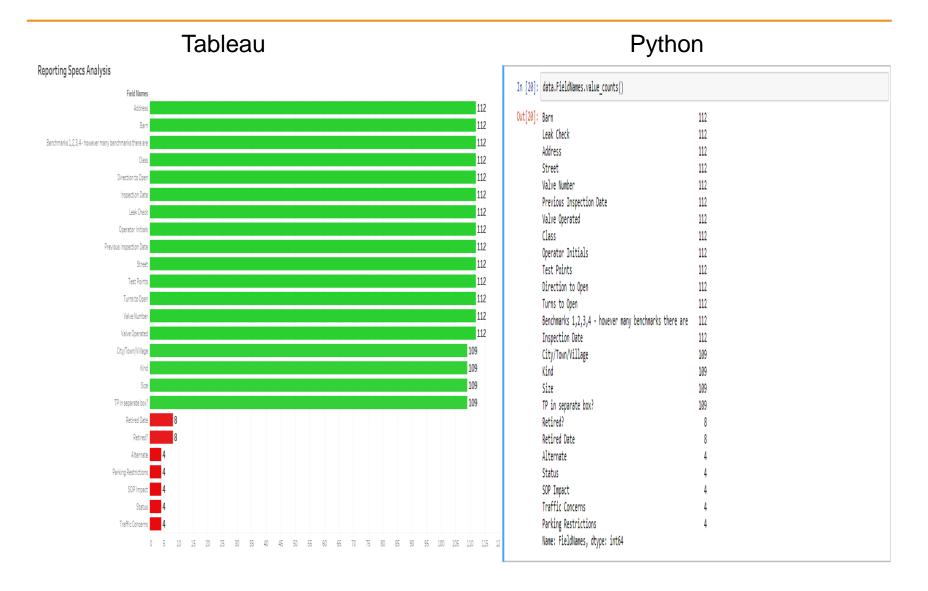
Insights From Data Visualization







Helping Tool Preparation





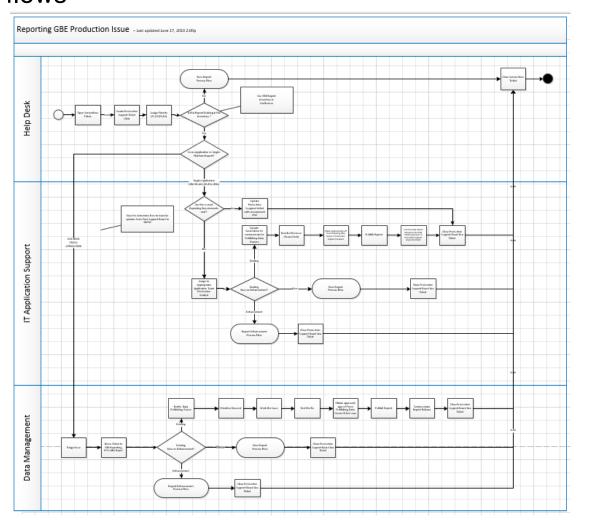
Reporting Process Flows

- Set up a start to end structure for the following:
- 1. Creating a new report
- Enhancing a Report
- 3. Reporting a Production Issue
- 4. Access to Reports



Reporting Process Flows

URL: https://nationalgrid.app.box.com/file/462192218928
for all the flows





Learning Outcomes

- Information and practical session on Data Profiling and Data Quality Scorecards
- Learned to use AgileCraft and Attlassian Jira
- Understood the way an architect puts his mind into thinking about the process flows
- Also got an opportunity to work in Sprints and understand the importance of Program Increments(PI)
- Worked in Program Anchor(PA) which helped me understand the importance of Mocks, Dev Environments and Production
- Got to Attend ,Learn and Perform hands on Git and SourceTree
- Also got an opportunity to improvise my Data Visualization Skills (Tableau and PowerBI) in the form of Trainings organized by National Grid
- Learned the importance of Data Accuracy while performing Data Validations.
- Thumb Rule to Remember : Any Data Loss is Dangerous, therefore this step is very important after data conversions

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