***SYBIL AWS process flow***

Questions which need some clarification/suggestions to decide on the process flow.

* RG processes file size to decide Lambda or EC2 instance?
* Is RG process triggered by the arrival of file (dataset triggered)?
* How long the PC runs, frequency of the run? (EC2 need to be continuous or we can spin it and down it once it is completed)?
* What is the triggering for PC process? Is that the completion of RG process?
* Which process creates the user input file for the FC process? (Roll group request???)
* Is FC process triggered by the user input file?
* Are these reports always static or any of these process generates reports on the fly?
* What is the row count of the tables? At least for the largest tables?
* In case of server downtime what is the Recovery Time Objective or SLA (how soon the process needs to come back live in case of AWS infrastructure failures?
* RDS backup plans?

1. Mainframe will copy all the datasets to S3 bucket 1 (except the “Multi Mail”) after the pre-sort execution is completed.

The jobs code and information

Job code Job Description

A Sybil Dat

B PDF Report/Standard Doc

C Customer info

D Canadian Output

E CDS

F First Class Mail

G Foreign Report

H Customer info IQ messages

I ISAL

L Late Geo

M Mail Dat

N Nested Driver Code

P Mail Dat Plus

S OCC Static

*The job C1 will be the one which reads EBCDIC the mainframe pre-sort customer data and stores it in ASCII formatted to ZFS.*

*The mainframe data set name is M****xx****P.OMS2PROD.****i.****GTRF2.****zzz****.I (issue-week).SUCASCIJ. xx-mag code, i- Instance and zzz – Plant code.*

1. The DB2 table updates from Mainframe/Microfocus process could directly update the AWS RDS. (To discuss and configure in RDS accordingly)

DTPPSY.TBA\_BV\_STATION\_CD

DTPPSY.TBA\_CNDN\_BAG\_SUM

DTPPSY.TBA\_CNSOL\_STYP\_PARM

DTPPSY.TBA\_CNTNR\_INFO

DTPPSY.TBA\_CNTNR\_LVL\_PARM

DTPPSY.TBA\_COBIND\_CYC\_MAG

***DTPPSY.TBA\_CUST\_BV – This alone will be updated again by Plant Controller task process***

DTPPSY.TBA\_FILEMFMT

DTPPSY.TBA\_FILE\_TYPE\_INFO

DTPPSY.TBA\_GEO\_CR\_CNT

DTPPSY.TBA\_INTER\_FILE\_CNTL

DTPPSY.TBA\_LBL\_TRK\_SCHD

DTPPSY.TBA\_MAGAZINEINF

DTPPSY.TBA\_MAG\_INFO

DTPPSY.TBA\_MAG\_INSTNC

DTPPSY.TBA\_MAILDAT\_LOOKUP

DTPPSY.TBA\_PKG\_SUM

DTPPSY.TBA\_POST\_BOOK

DTPPSY.TBA\_PSTL\_PARM

DTPPSY.TBA\_PS\_BULK\_CNT

DTPPSY.TBA\_RLL\_MPU

DTPPSY.TBA\_ROLL\_SUM

DTPPSY.TBA\_SEARCH\_XREF

DTPPSY.TBA\_SYB\_MAGAZINE

DTPPSY.TBA\_SYB\_PLANT

DTPPSY.TBA\_SYB\_PROC\_CNTL

DTPPSY.TBA\_WEBID\_PLANTID

DTPPSY.TBA\_WEBID\_RACFID

1. The file drop at the S3 bucket-1 will trigger the Lambda to invoke the RG process.
2. Lambda will invoke the RG process in SybilP to update several other S3 buckets as needed for the downstream processes.

***\*RG task****: In this Raw data getter will have three internal Tampa Router (\*TR), File Sender (\*FS), & Raw data Getter (\*RG) monitors running. These processes will move the data to corresponding to their plant file system.*

1. MultiMail files will alone be moved directly to Mass Transit by RG process.

(To discuss since this was getting moved by the first pick up process in earlier way. Or this could be moved to Mass Transit by Microfocus process itself if there is no formatting via the java application)

Job code Job Description

U Multi Mail

1. Pre-sorted input file copied to S3 bucket as needed for each plant

Once RG process is completed it could trigger PC process via (another Lambda or through java as available now)

1. Plant Control task will get the customer data and creates all the reports and load the same to RDS. The following reports will be created from this task. *(Is PDF stored in Db2 or only references?)*
2. Break\_Out.pdf
3. Canadian\_Bag\_Summary.strip.pdf
4. Customer\_Count\_Summary.pdf
5. OMS\_BNDLBLS.CAN.STRIP1.pdf
6. OMS\_BagTags\_2\_inch.USPS.pdf
7. OMS\_CANPALT.Placards.G213347263.pdf
8. OMS\_CarrierRoute\_Percentage.pdf
9. OMS\_Driver\_Code.pdf
10. OMS\_Imaging\_Sub\_Label\_Detail.STRIP.pdf
11. OMS\_Imaging\_Sub\_Label\_Summary.CANADIAN.pdf
12. OMS\_Imaging\_Sub\_Label\_Summary.USPS.pdf
13. OMS\_Intermediate\_Pallet\_Placards.USPS.pdf
14. OMS\_Late\_Geo.pdf
15. OMS\_PKGDTL.CAN.STRIP1.pdf
16. OMS\_PRNTRP4.CAN.STRIP1.pdf
17. OMS\_PRNTRP5.CAN.STRIP1.pdf
18. OMS\_PRNTRP6.CAN.STRIP1.pdf
19. OMS\_Pallet\_Placards.USPS.pdf
20. OMS\_Pallet\_Roll\_Matrix.USPS.pdf
21. OMS\_Plant\_Pallet.USPS.pdf
22. OMS\_Scheduled\_Bind.USPS.pdf
23. OMS\_Station\_Code.pdf
24. Profile\_Copy\_Count.pdf
25. It also updates the necessary details to S3 – Report bucket for web users *(If PDF means this could be easily copied over to S3 which will provide a URL link and could be added to any web page to click and download)*
26. PC process will also update the RDS tables for Customer BV
27. The Plant user logs in to the Sybil Web portal. – Login could be verified by AD/ or similar to RACF and the Roll group request is made by the plant user.

***How the formatter request is prepared in the first place? Is that pre-defined choices by the plant team***? If so, once the plant uploads their choice, and that could be stored in S3 – Formatter bucket as it is stored in our zFS now.

1. This “Roll group” request will trigger the FC process. FC process will fetch the formatter details from S3 – Formatter bucket (Example say Quad)

FC process will also fetch the Pre-sorted data from the S3 – PreSorted bucket

1. FC process will complete and upload the “Formatted Output” to S3-Foramtted Output bucket
2. FS process will be triggered on the FC is complete and FS process will fetch the formatted output from S3-Bucket
3. Formatted output is copied to Mass Transit 1
4. Mass transit 1 will move all the files to the Plant – Mass transit location.

**NOTE :-** The folder structure below could be used in the same convention for S3 bucket.

/tcs/apps/Sybil/Plant/Prod/MCD/DataArrived

/tcs/apps/Sybil/Plant/Prod/MCD/Formatter

/tcs/apps/Sybil/Plant/Prod/MCD/InputData

/tcs/apps/Sybil/Plant