

FIG. 1

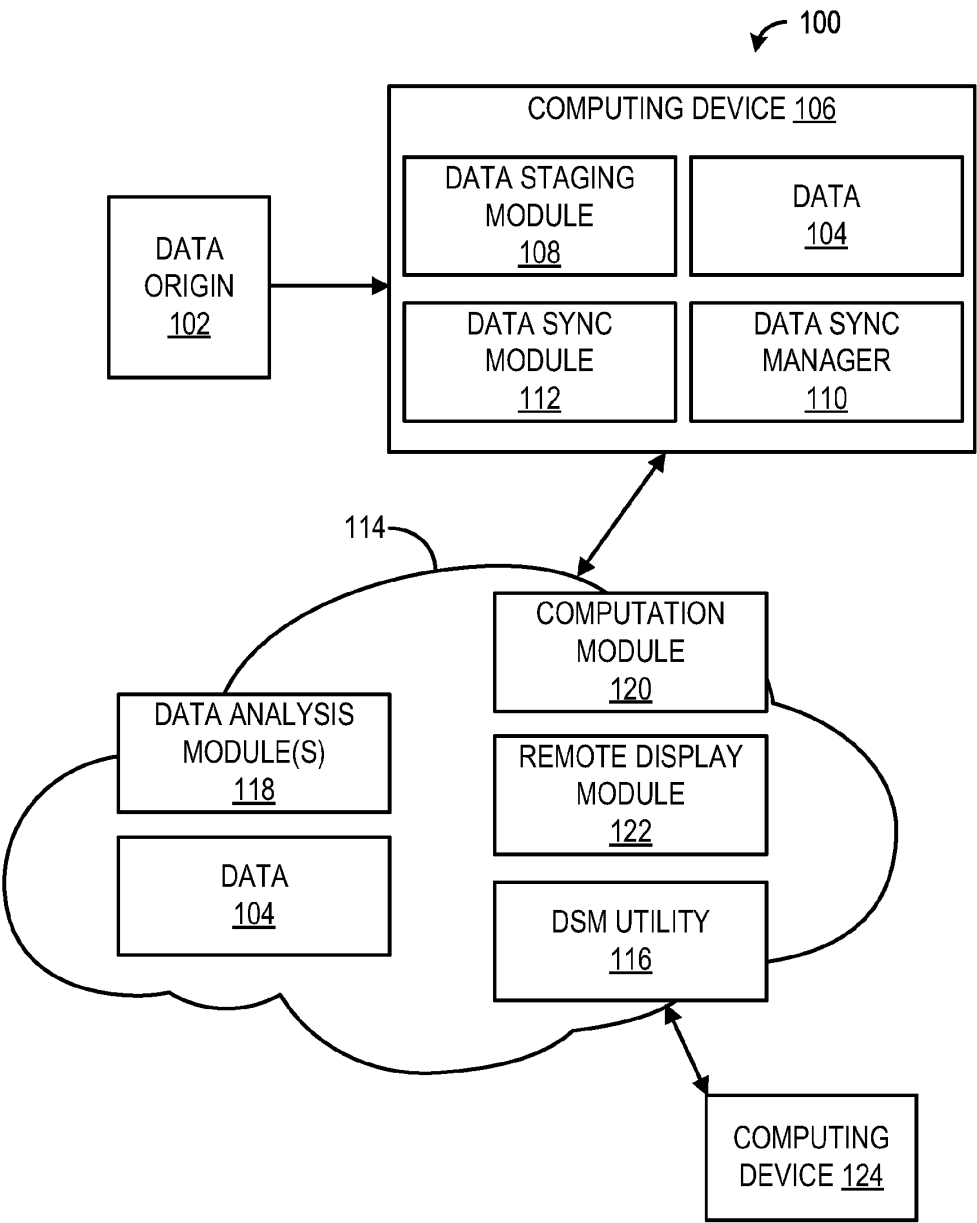


FIG. 2A

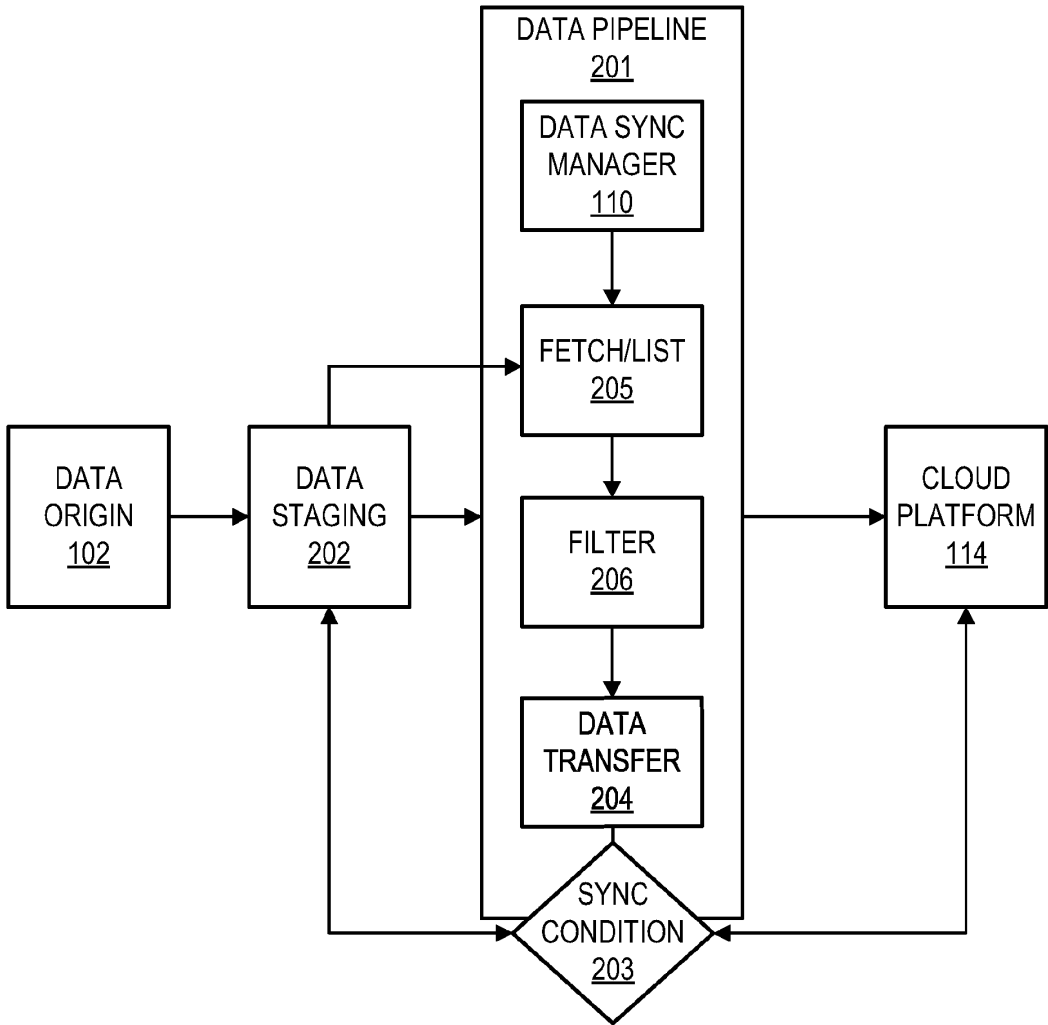
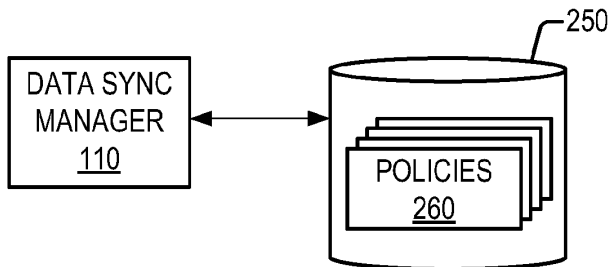


FIG. 2B



3/17

FIG. 3

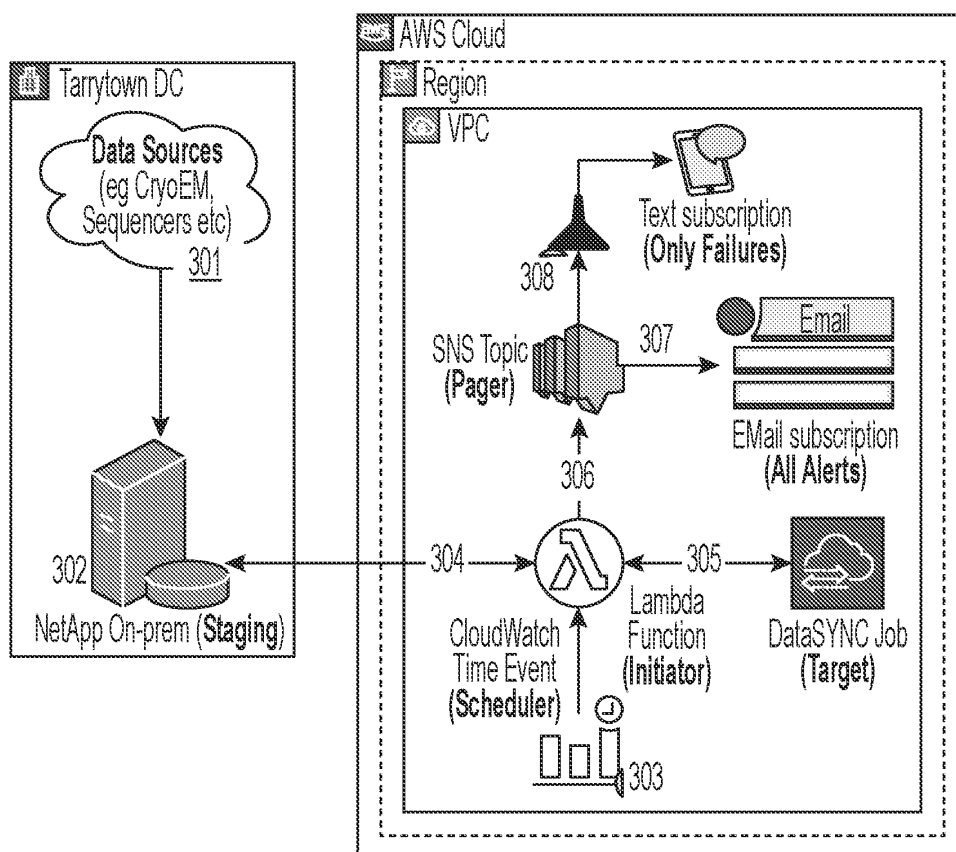


FIG. 4A

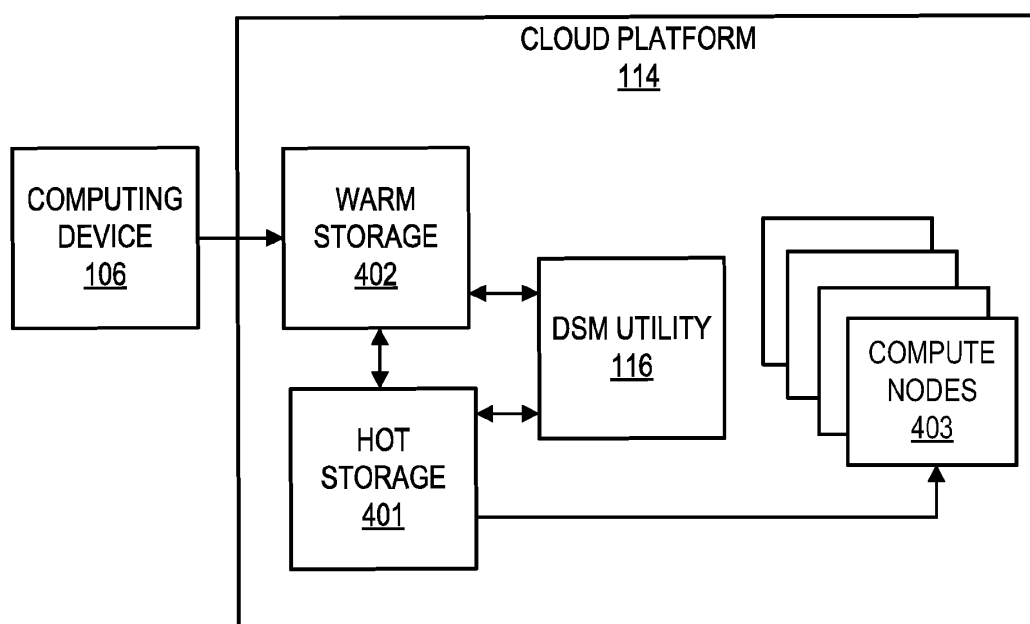


FIG. 4B

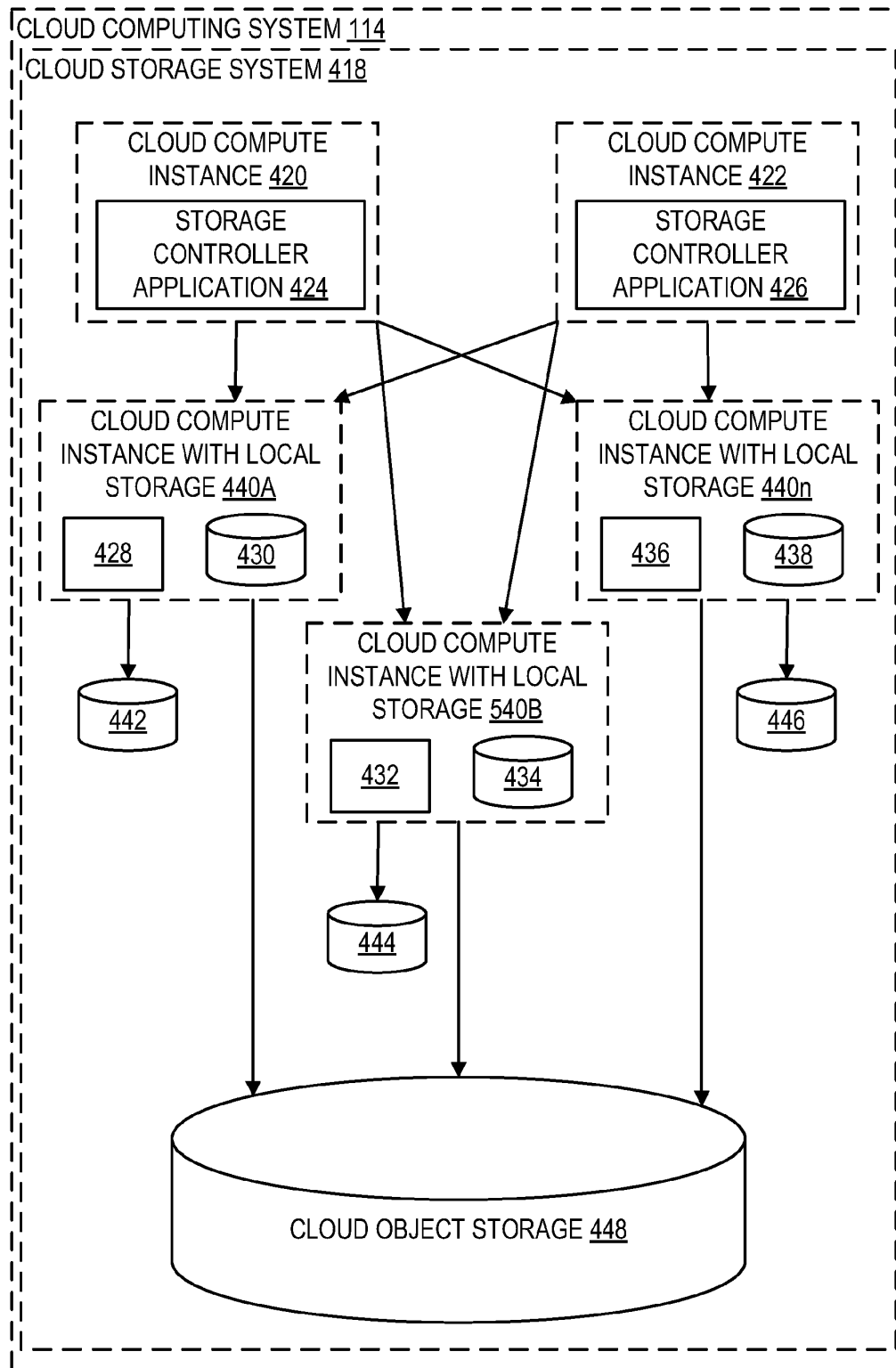


FIG. 5

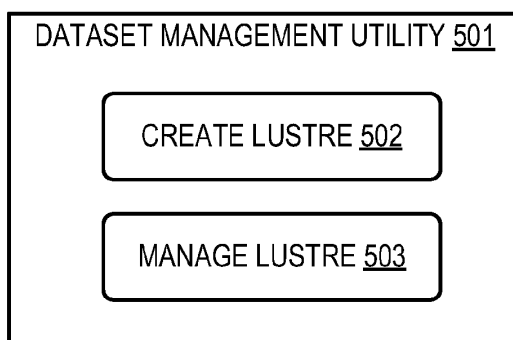


FIG. 6A

DATASET MANAGEMENT UTILITY [501](#)

```
#!/ Listing Keys from s3://datastore-01/TestData/  
TestData/Anable_Data/  
TestData/cisTem_test_dir/  
TestData/relion_test_dir/  
TestData/ser-test-data/  
  
#!/ Listing Keys from s3://datastore-01/krios_data/  
krios_data/.aws-datasync/  
krios_data/18Dec2019/  
krios_data/20200114_apoferritin/  
krios_data/20200114_apoferritin_bkp/  
krios_data/20200114_gain_reference/  
krios_data/20200115_C5-R3946_!TY-gp130-IL-R-IL6_screening/
```

LOAD DATASET [604](#)

REFRESH DATASET [603](#)

PREV. DIRECTORY [602](#)

FIG. 6B

SELECT FSX-LUSTRE SIZE(GB)

7200

610

PROCEED 605

CANCEL 606

FIG. 7

DATASET MANAGEMENT UTILITY 501

FILE SYSTEM MANAGEMENT

MY FILESYSTEMS

datastore-01/krios_data/20200332_nCovGS-grid2/
datastore-01/krios_data/20200403_LepR-ecto_4461Fab_11845P2
datastore-01/krios_data/20200114_apoferritin/

710a

GROUP FILESYSTEMS (VIEW ONLY)

Fs-0c42fcdc00d0be0c0 AVAILABLE s3://datastore-01/krios_data/

710b

SAVE DATASET TO S3
702

MOUNT FILE SYSTEM
701

DELETE LUSTRE FSX
704

SHOW REPO TASKS 703

FIG. 8A

TASK	TEMPLATE NAME	MPI #	THREAD #	COMPUTE NODE #
TASK 1	TEMPLATE 1	64	-	1
TASK 2	TEMPLATE 2	128	2	4
TASK 3	TEMPLATE 3	8	8	1

FIG. 8B

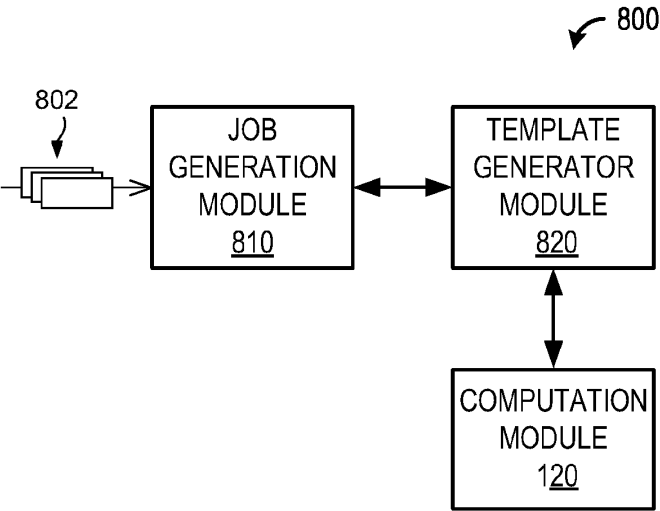
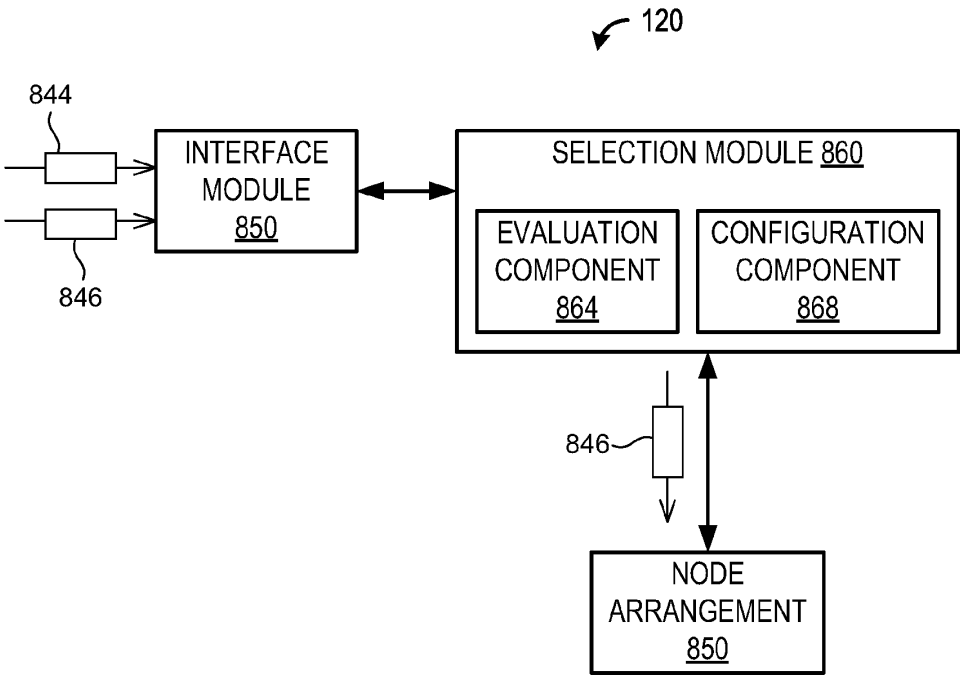
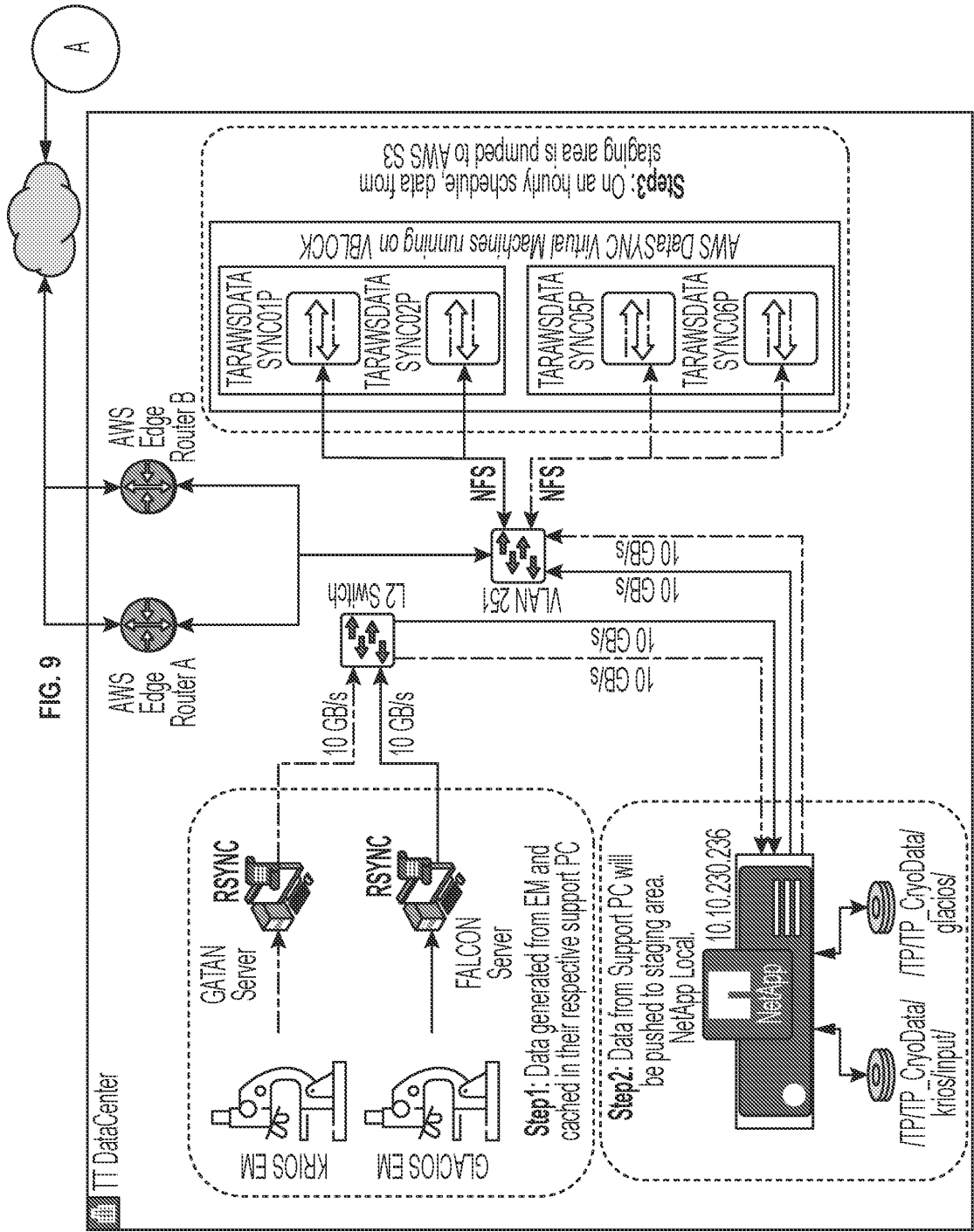


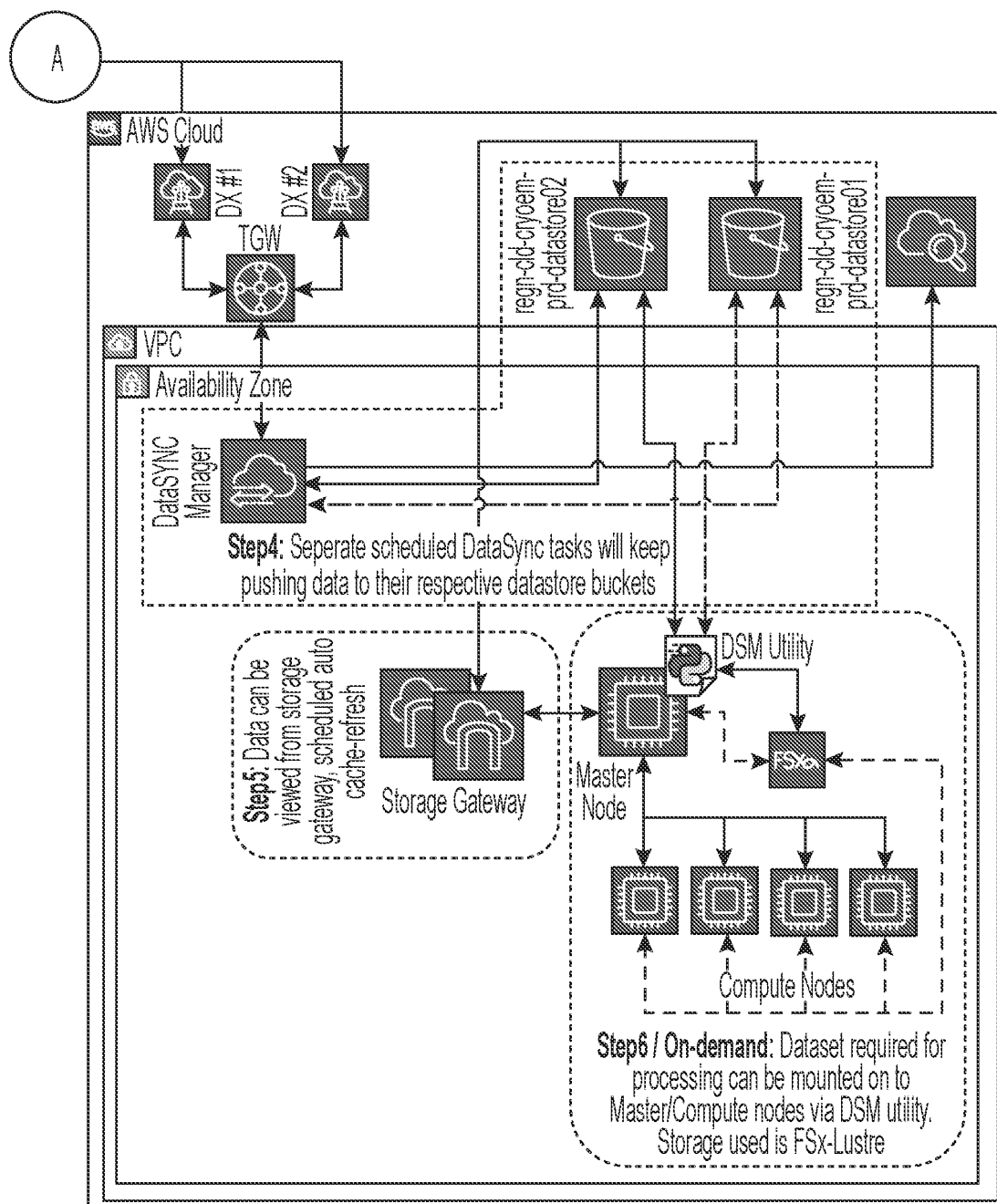
FIG. 8C

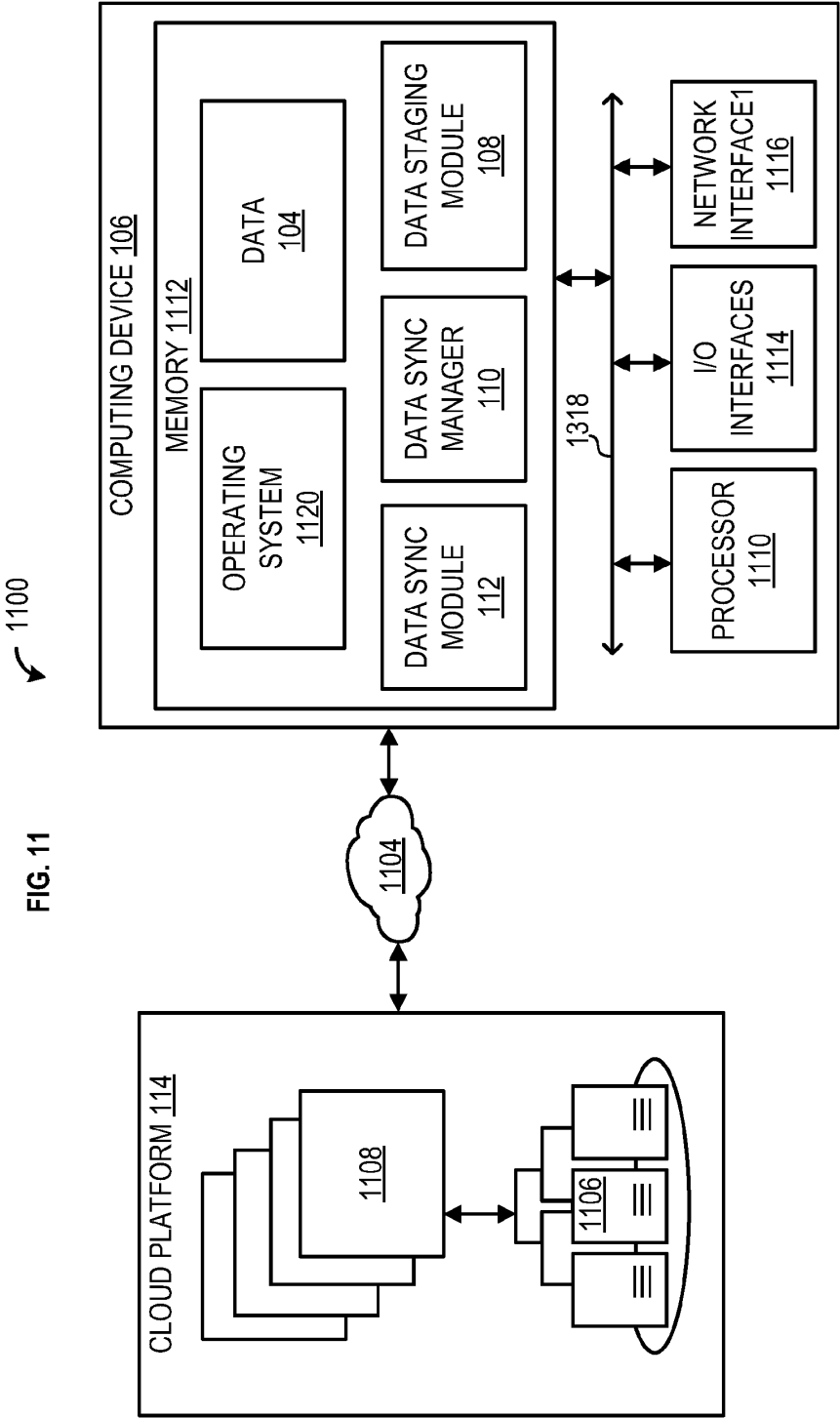




12/17

FIG. 10





14/17

FIG. 12

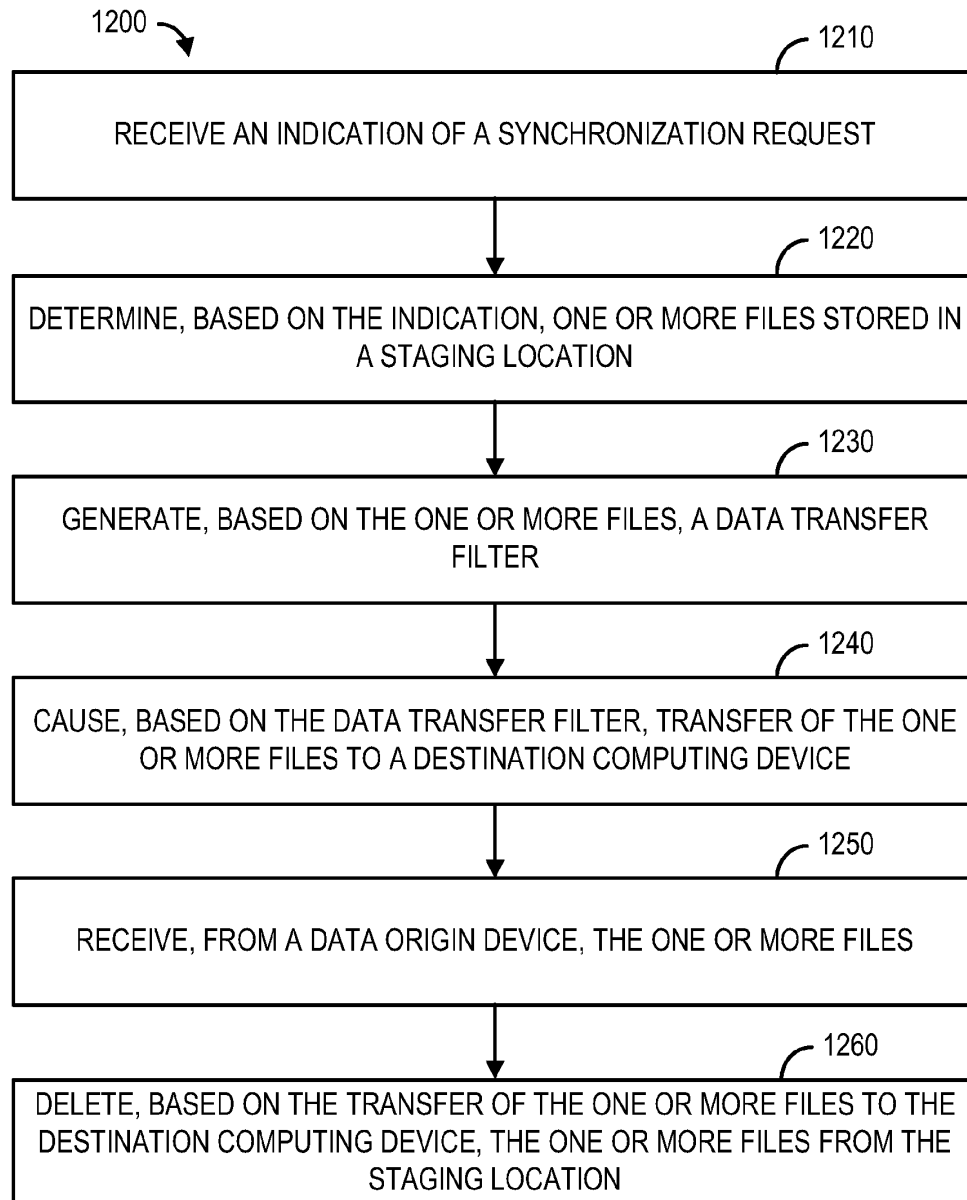


FIG. 13

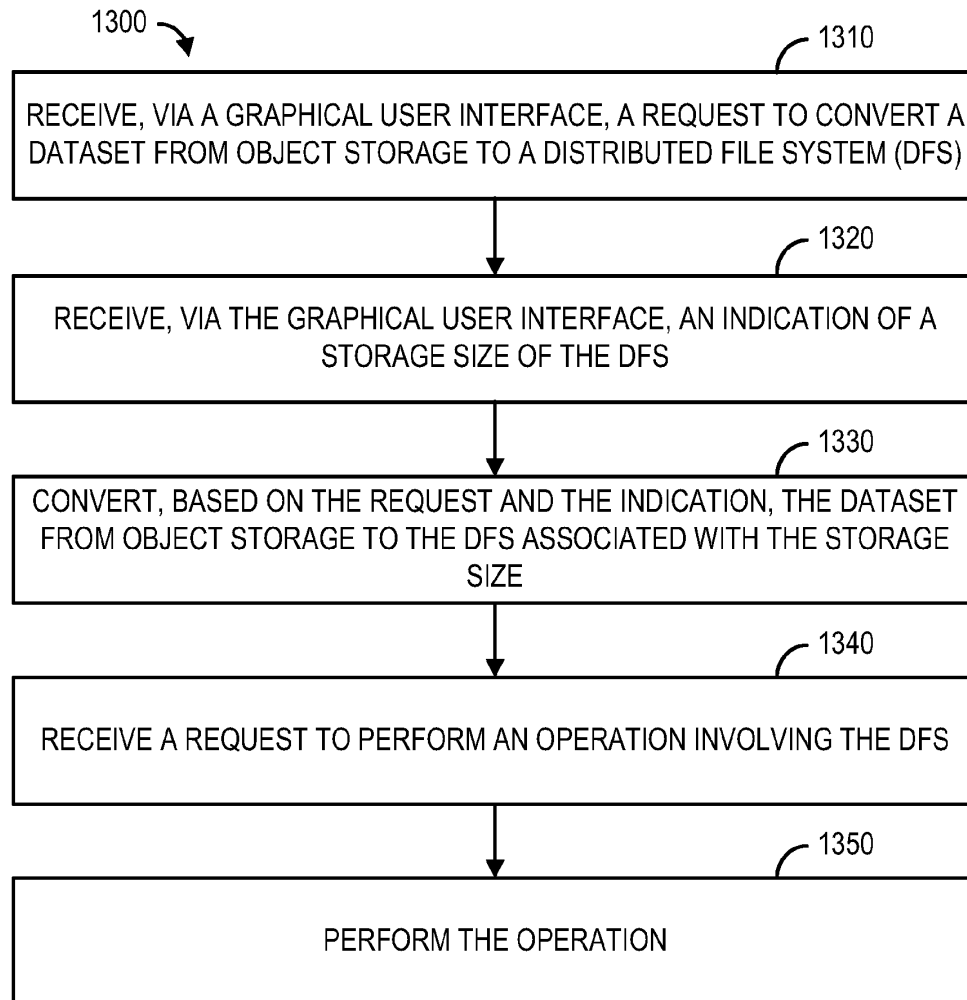
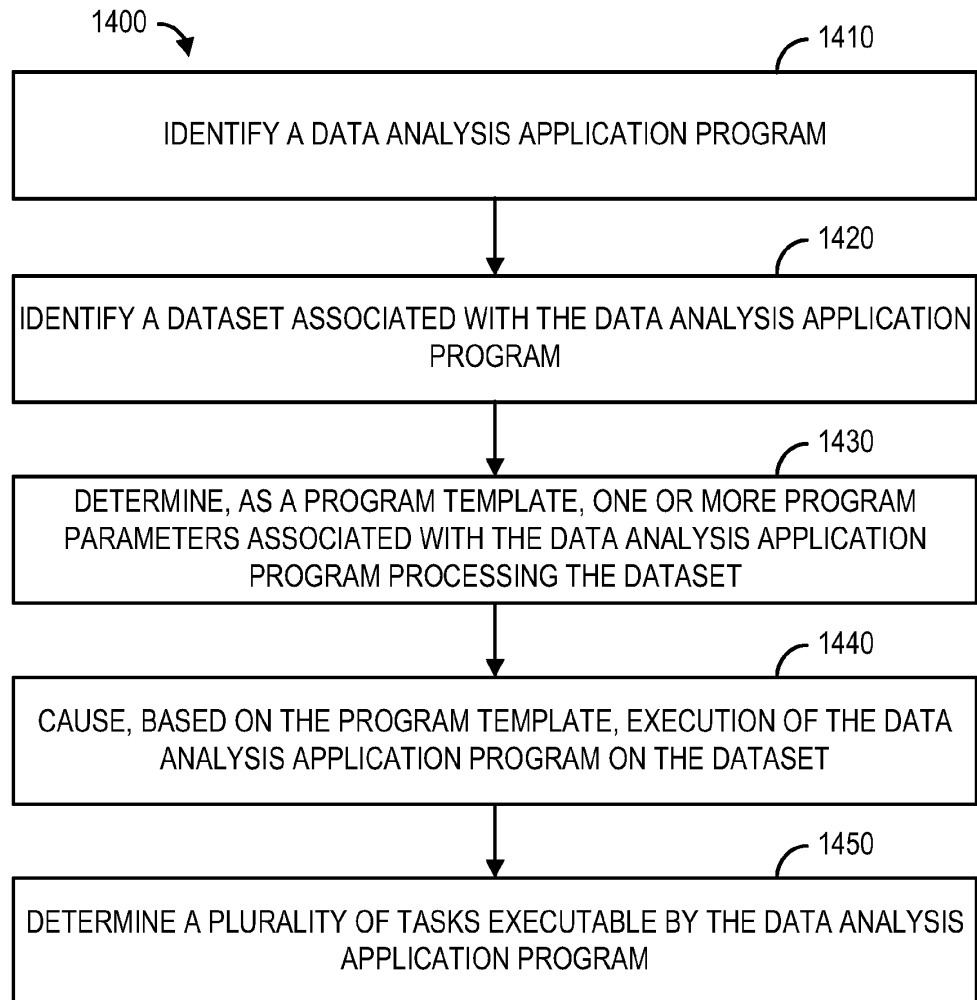


FIG. 14



17/17

