European Weather Cloud in action

Weather and climate in the cloud workshop

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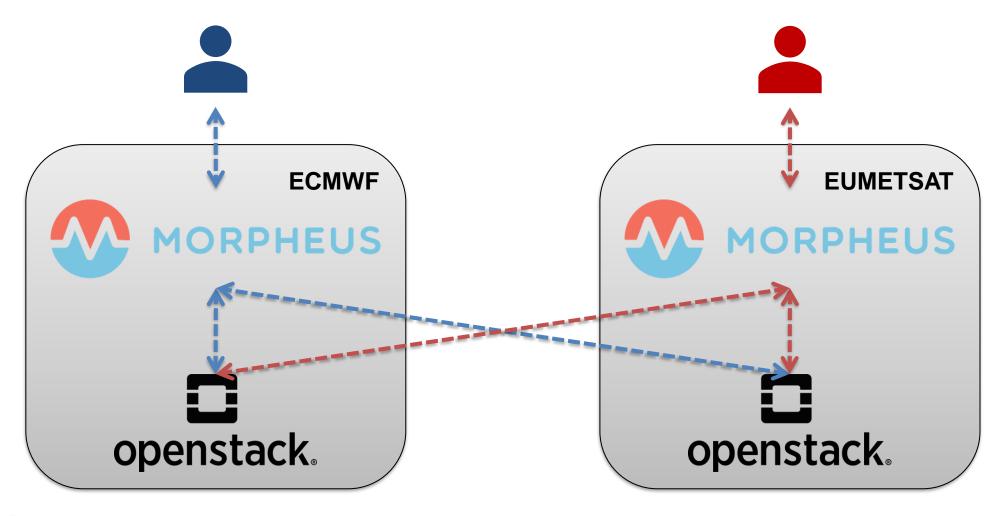






Jumping on board: Morpheus

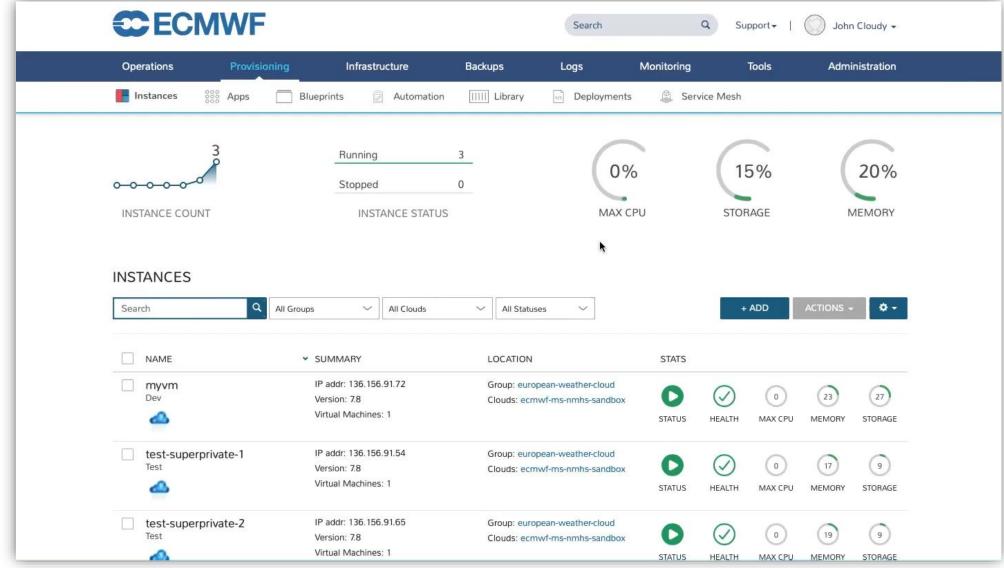
• Morpheus is a hybrid cloud management platform that controls multiple cloud infrastructures.







Quick Tour









MARS @ European Weather Cloud

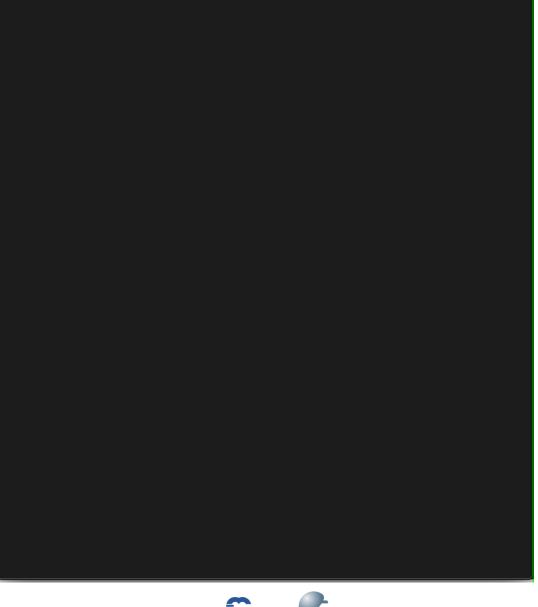
- Command line client with direct connection to:
 - FDB (Field Data Base) on HPCF, for real-time data
 - DHS, the ECMWF tape library, for archived data
- Uses an SQL like language to fetch data:

```
retrieve,
class
          = od.
type
          = an.
expver
          = 1,
          = 19990215,
date
time
          = 12.
param
          = t.
levtype = pressure level,
levelist = 1000/850/700/500,
          = 1/1
grid
          = "t.grb"
target
```

- ECMWF account with data privileges required
 - Valid token must be configured

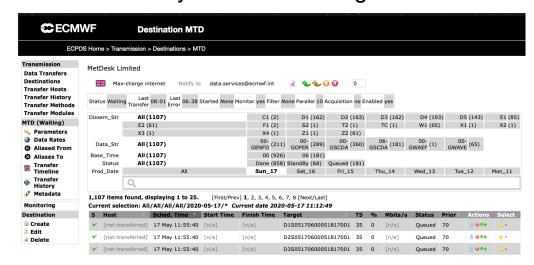
https://confluence.ecmwf.int/display/EWCLOUDKB/Configuring+MARS+access

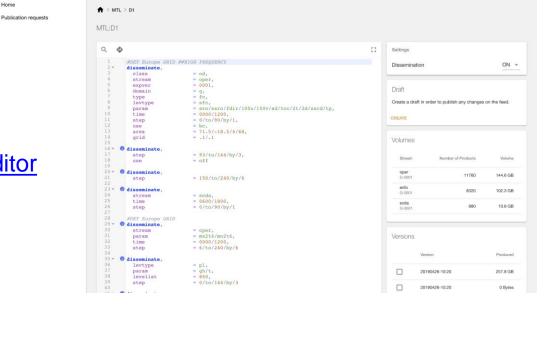




ECPDS Dissemination to European Weather Cloud

- Customised real-time data products
- Pushed on schedule to:
 - remote hosts via FTP or SFTP
 - S3 buckets
- Requirements defined in the <u>Product Requirements Editor</u>
- Transfers monitored through <u>EPCDS monitor</u>
- Raise an issue if you wish to configure a new stream





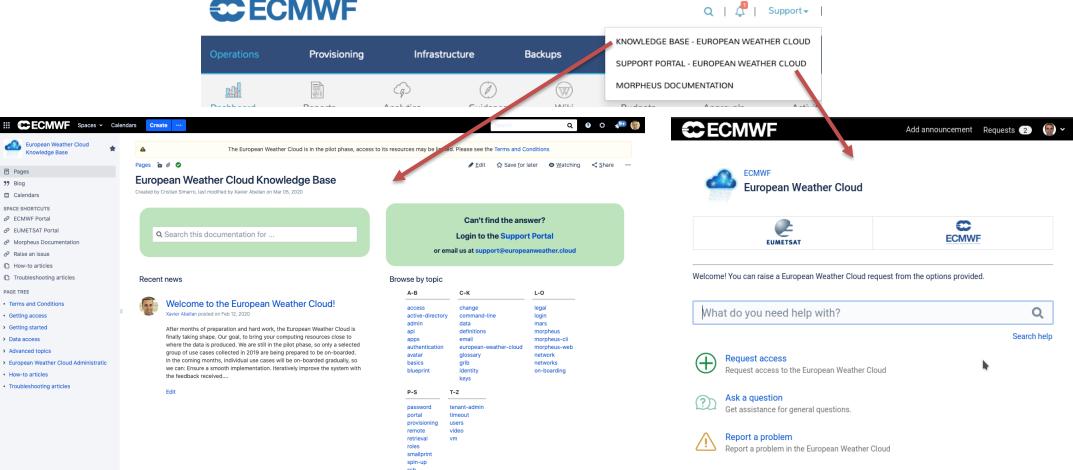
ECMWF | Product Requirements





● Help ▼ ● Francisco Ovies

Documentation and support **ECMWF**



https://confluence.ecmwf.int/display/EWCLOUDKB

start

https://jira.ecmwf.int/servicedesk/customer/portal/9



Space tools



