Imagine we have many aircrafts sending logs and data files to aircraft operation center.

Since the time available for aircraft at gates is small, there might be scenario where in large file cant be transferred completely.

2) Mobile App to provide updates to maintenance engineers on updates

Expected solution-

1. Cloud service to handle pause and resume of file transfer from aircraft.
2. Service to upload with pause + resume
3. Service to download with pause + resume
4. Service Registry.
5. Message Queue.
6. Priority of the flight and request.

Tasks:

Upload Service : tamal, himanchal

Download Service : Chetan,sachin

Priority Service : Veeresh,Rakesh

Metadata API : Chandan,Vikas

Solution Architecture

Event Triggered: Flight Data Source API/Message Queue

Flight Number: abc  
Status: Landed

Priority Service

MetadataAPI

UI

Upload/Download UI

Database

Metadata

File Store

Download Service

Upload service

Flight DataStore

Trigger service