

LSO Operational APIs



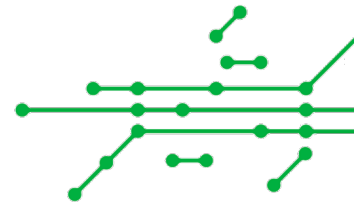
Global NaaS Event
By MEF



Michael Kearns

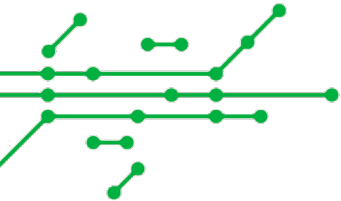
Amartus, Co-founder &
Chief Strategy Officer

Video



SES[▲] Case-study

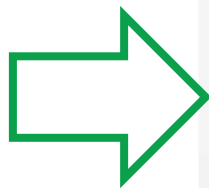
MEF LSO Performance Monitoring



SES[^] Problem & Solution

Scenario:

- Provides GEO & MEO Connectivity Services
- Provides Self Service APIs & Portals, as part of the satellite connectivity products:
 - Performance Monitoring (Historical & Streaming)
 - Plus, other customer touch points



Problem:

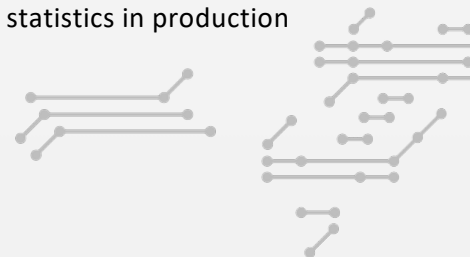
- Satellite connectivity platform vendors provide metrics in proprietary formats
- SES customers use multiple vendor platforms, hence different metrics are received

Solution:

MEF LSO Interlude/Allegro W133 Performance Monitoring

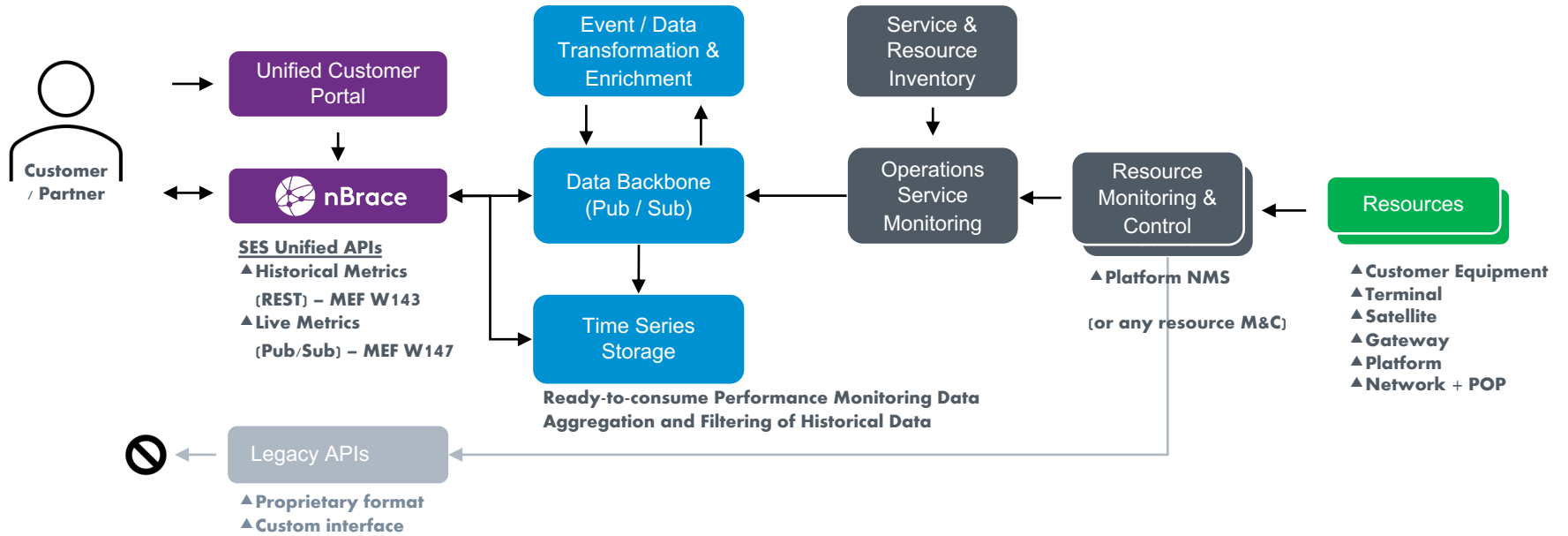
APIs + Common Network & Vendor Independent data model

- Gathered requirements => input to **MEF W133** Requirement
- Developed matching API definitions **MEF W143 (Historical)** & **MEF W147 (Streaming)**
- Defined Network & Vendor independent data model
- Self Service implemented using Amartus **nBrace™**
- Historical service performance statistics in production
- Streaming in-progress



Service Performance & Streaming MEF LSO APIs

Digital Ecosystem



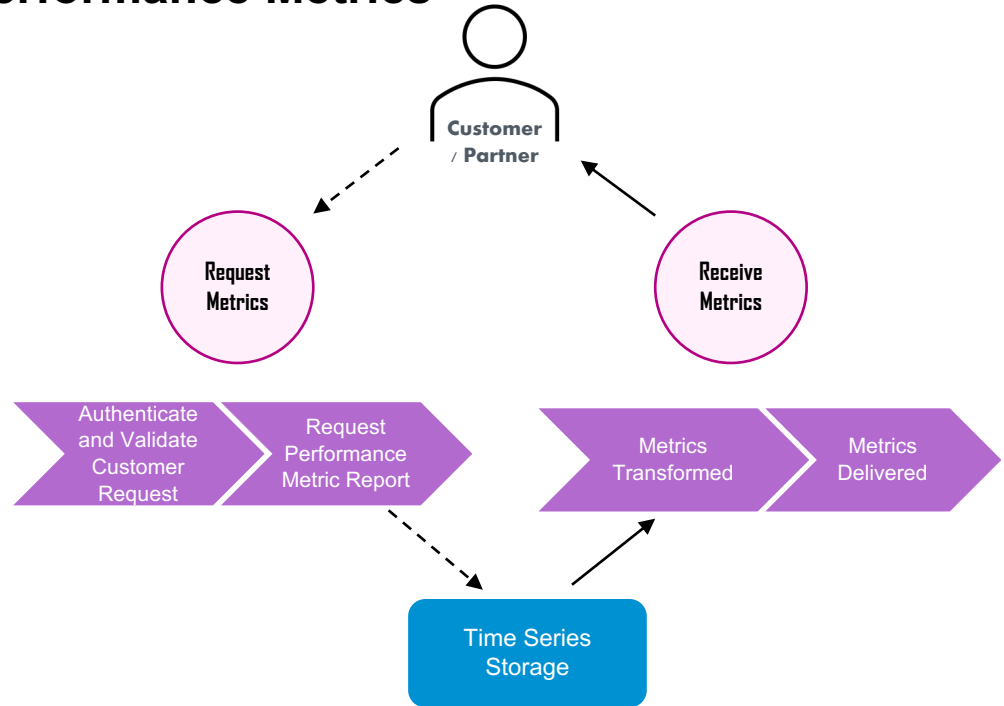
Use Case 1 – Historical Service Performance Metrics

▲ Data collection

- Customer can request historical service performance metrics via Unified API using MEF W143 API

▲ Data delivery

- Data delivered from SES to Customer via Unified API using MEF W143 API
- Only authorized data can be accessed by customer
- Only data to be served is retrieved, transformed and delivered to the Customer



Use Case 2 – Live Service Monitoring Metrics (Streaming)

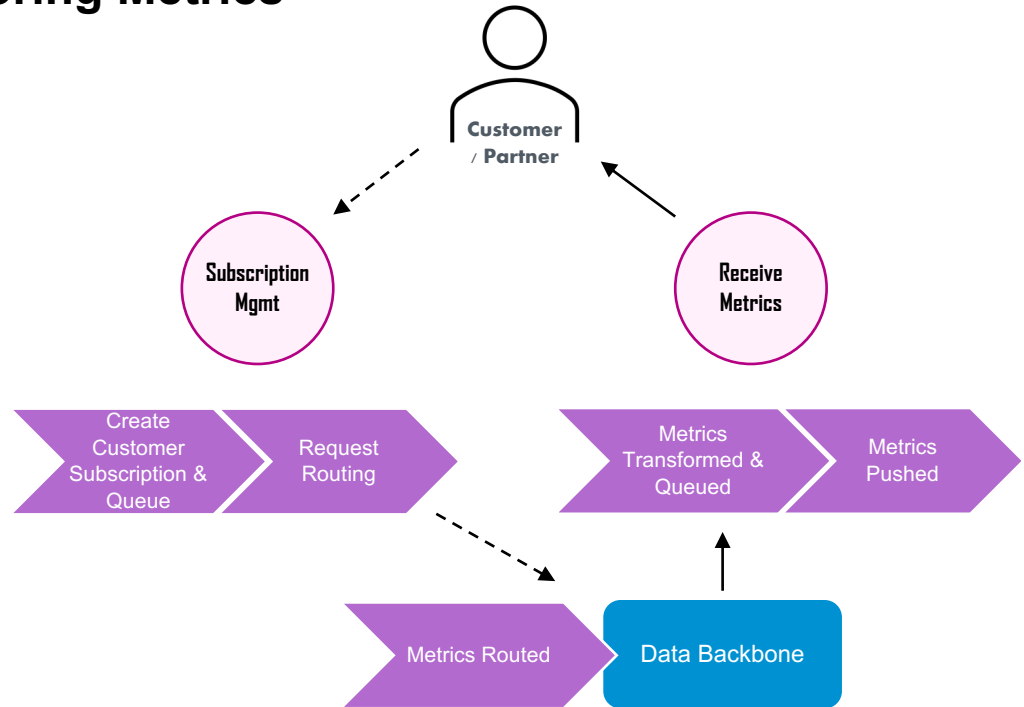
▲ Data subscription

- Customer can subscribe to live service monitoring metrics via Unified API using MEF W147 API

▲ Data delivery

- Data shared through REST call from SES to Customer via Unified API using MEF W147 API
- Only authorized data can be accessed
- Only data to be served is accessed & moved so nBrace can share it with Customer

(Data backbone makes the data available to nBrace inline to the previous bullets)





Thank you

