

Virtusa implemented a Micro Services Layer Using Mule Enterprise & Spring for Order & Fault Orchestration Platform for a Major UK Telecom Company

Challenges

- Our telecom Client wanted to integrate its microservices platform that was integrated to different supplier systems to its BPMS system in a loosely coupled way.
- This ESB platform should handle millions of orders and order status updates per day in a resilient way.
- Orchestrate different order types and order status updates between the supplier facing microservices layer and the BPMS.
- Some of the supplier facing microservices had to be integrated to the external supplier systems using different integration protocols.

Solution

- We used Mule ESB to implement the orchestration layer that orchestrate different order types and order status updates to the BPMS and supplier facing microservices.
- Also used async messaging for most of the integrations to achieve loose coupling and resilience.
- Mule ESB platform was also used to handle backpressure from the supplier systems and handle message flow between the ESB and the BPMS

Value delivered

- Centralized orchestration logic.
- Ability to handle millions of order status updates and dispatchment of different order types in a resilient fashion.
- Ability to integrate with different types of backend supplier systems using different protocols.
- Improved productivity due to the usage of Mule out of the box connectors, transformers and routers etc.