

Customer Integration



Pilot Description

- *Integration with other 1R servers (Agility/CHAMP)*
- *Scope – transmission of data elements related to MAWB, House Manifest, /HAWB, Status updates.*
- *The final stage will be to incorporate the security features as per organization specific capabilities.*

Pilot Participants



CARGO



Pilot Project Tag Line

“One Record - be part of digital change”

Customer Integration



Data Model

Airline Core Ontology

Shipper's Letter of Instruction

Cargo Distribution

CO2 Emission

e-CMR

ULD Tracking

Interactive Cargo (IoT)

Dangerous Goods

Pharmaceutical

Customs (PLACI, ICS2)

Ground Handling

API / Security

PUB/SUB

LO update

Access delegation

Security

Events

Audit trail / Versioning

Access Control

Cascading status update - Pub/sub in multi-chain

Data integrity / non repudiation with RDF

SHACL shapes

IoT updates

Rich data

Implementation roadmap

February

March

April

May

June

July

August

September

October

November

December

Pilot discussion and initiation

Pilot scope definition and formalization

Review

Formalize IT efforts & evaluate scope
Creation of working group
IT capabilities (technology and design) and sample exchange

Development - system integration, message exchange in stage

Testing Review

API development - New with security layer

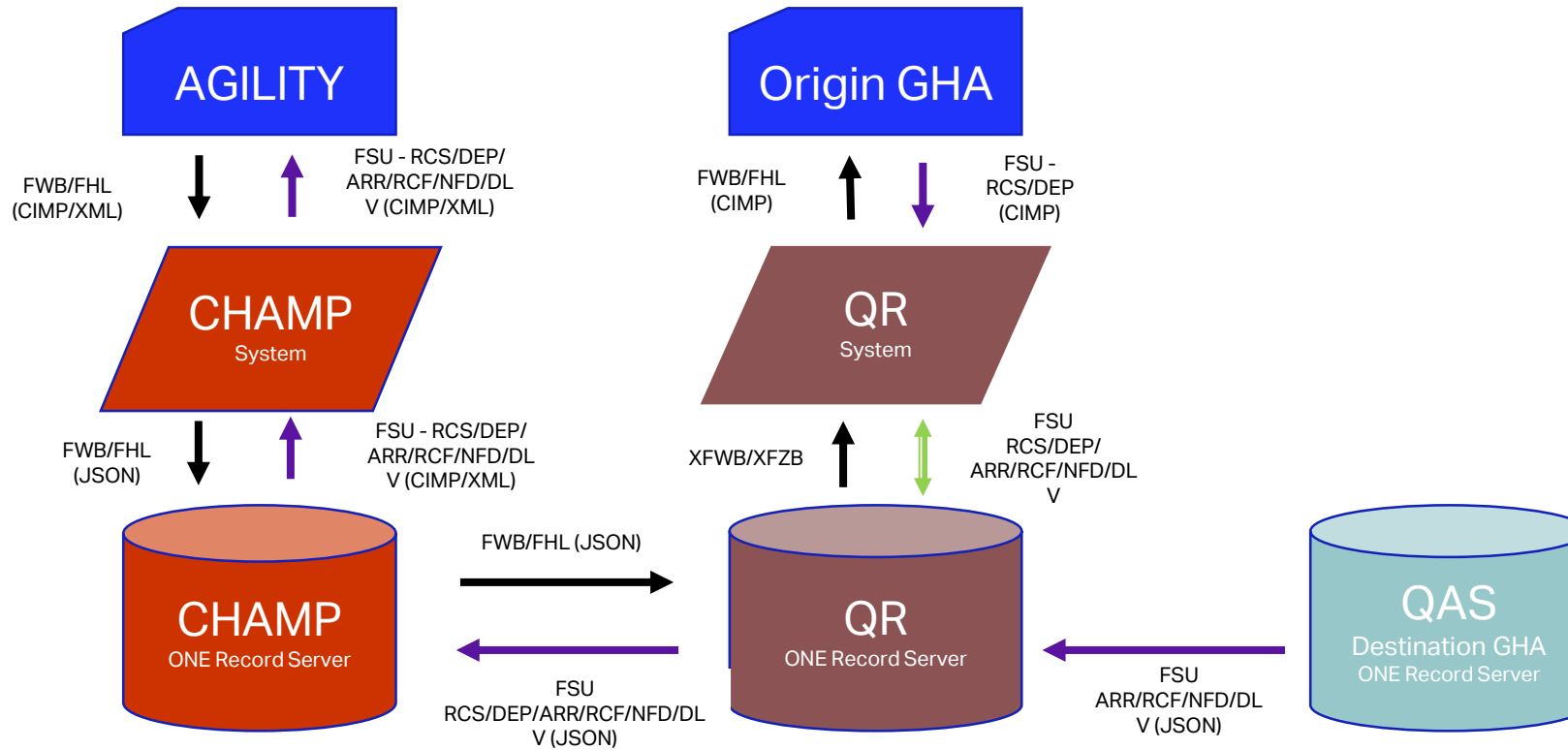
Security - authorization and authentication

System integration testing - with security layer Review

Logistic Object development - new data model

Complete - end to end testing with security features and total scope

Flow Diagram



Note:

- Assumption origin GHA is not one record compliant
- QAS is Qatar Aviation Services - Qatar Airways Doha HUB ground handling partner

