

Why NaaS Requires Standards-Based Automation Throughout the Supply Chain



Global NaaS Event
By MEF



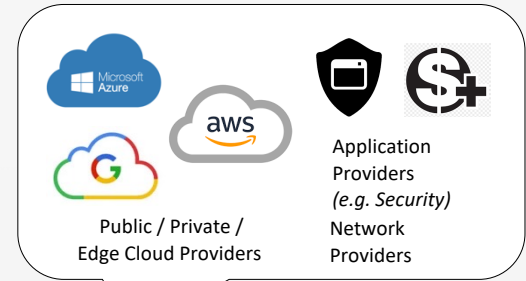
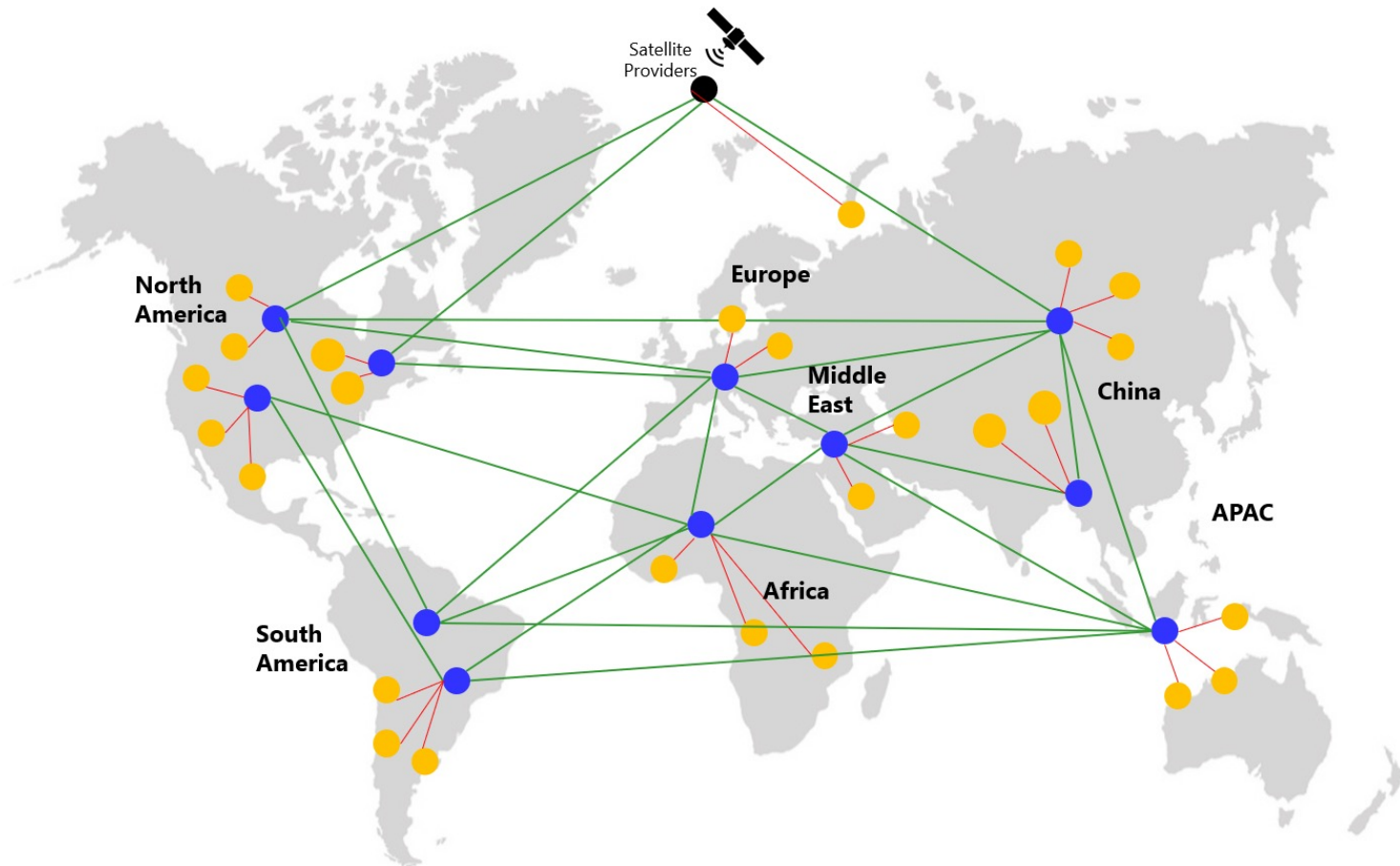
Michael Kearns

Amartus, Co-founder &
Chief Strategy Officer

Horizontally Integrated Enterprise Networks

Two significant changes

1. **Multi-provider** – built on services that run in co-located / inter-connected partner provider networks (3rd party & internal)
2. **Many new service options** – new options to realize the network
e.g. Wireless & Satellite last-mile access, Cloud Core & Global Backbone transit, Edge Compute & Network Edge to virtualize and reduce latency



● **Global co-location points of presence**, where network, cloud, interconnect & application service providers meet

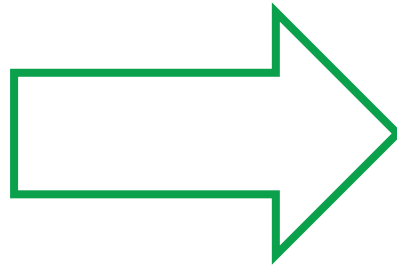
● **Enterprise site locations**

— **Transit:** Telco, Global Backbone & Cloud core

— **Last-mile access:** fixed, wireless & satellite



**NaaS Services
will be delivered
over
Horizontally Integrated
Networks**

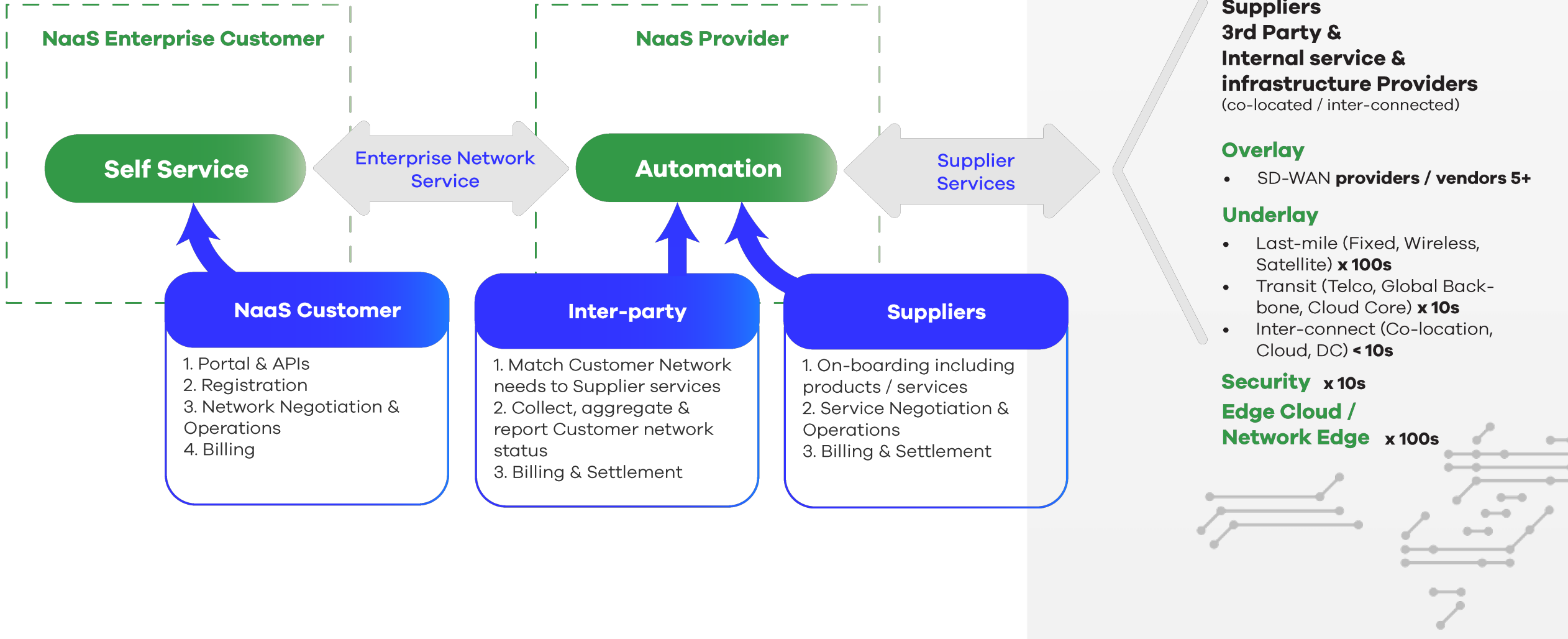


NaaS Provider Automation must be able to:

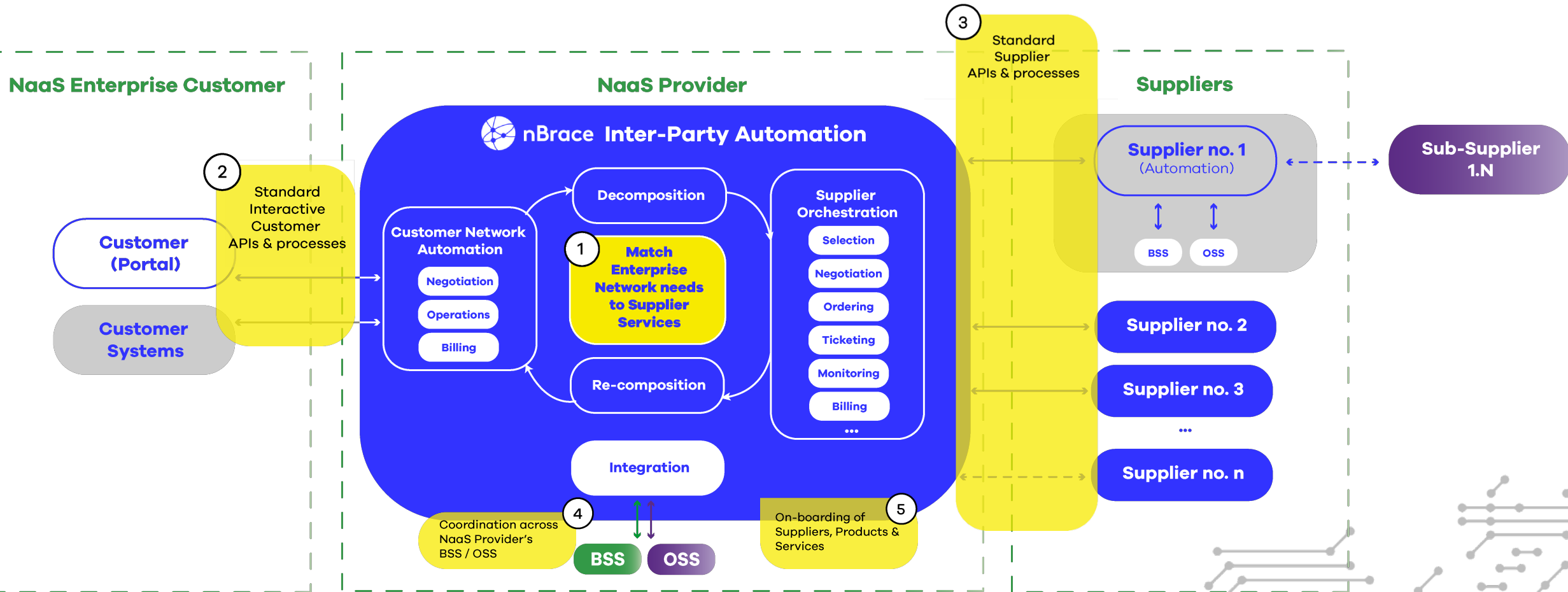
- **On-board suppliers** and their **products & services**
- **Offer NaaS Customers Self-service Portals & APIs** to negotiate, order, manage & monitor status of their network
- **Match NaaS Customer network needs to available supplier services & infrastructure**
- **Negotiate, order & manage** status of the underlying **services with supplier partners**



NaaS Provider Automation – What?



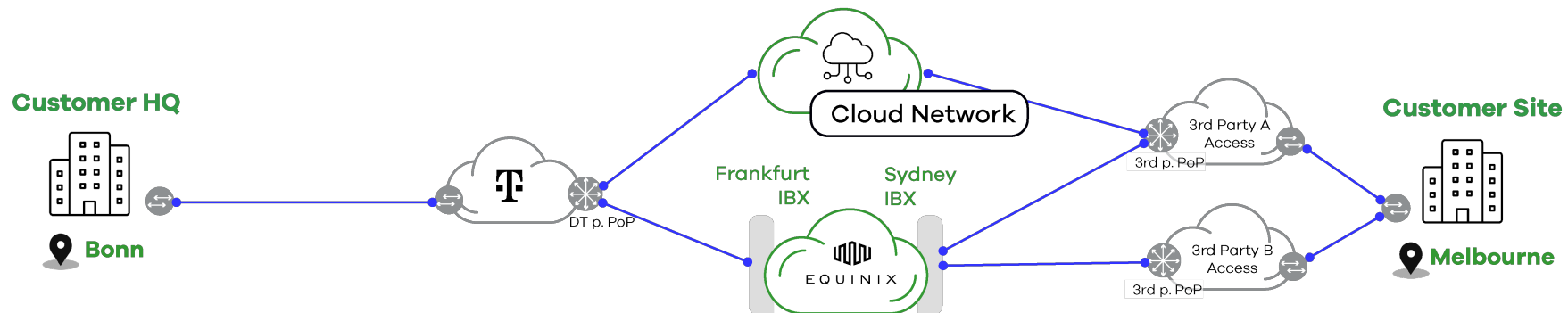
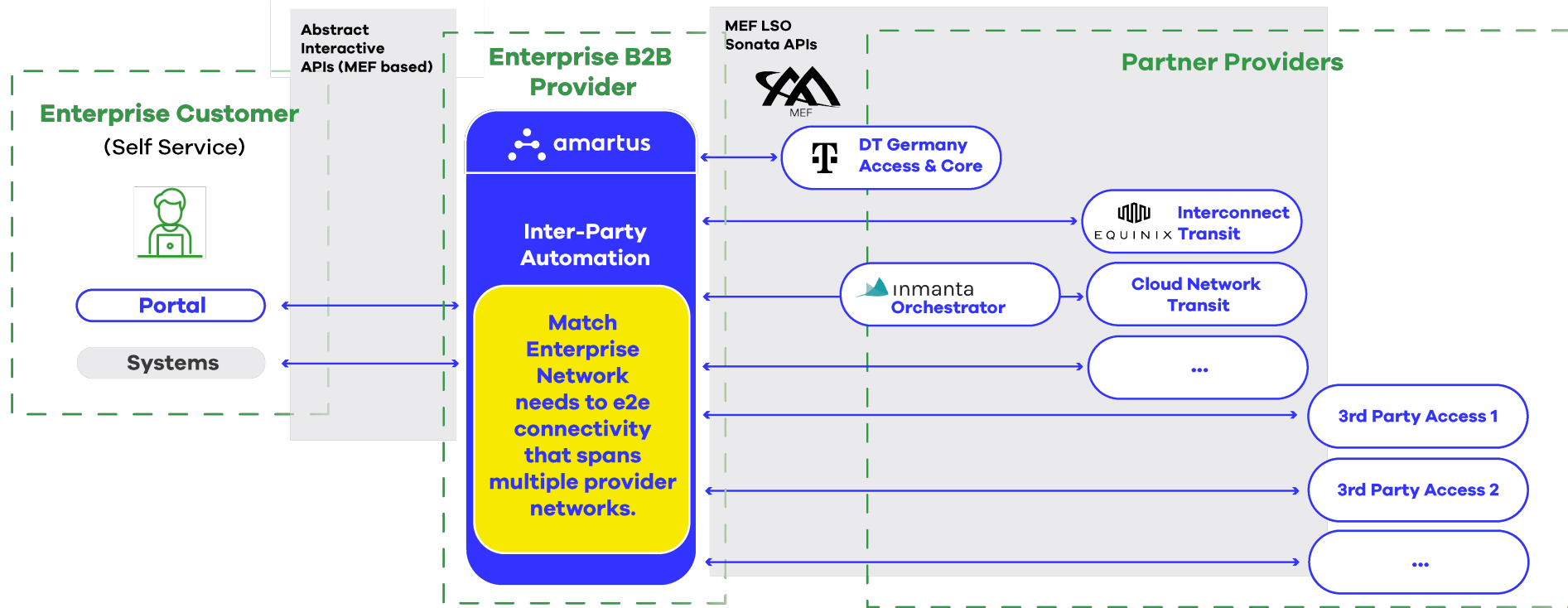
NaaS Provider Automation – How?



Many suppliers & customers to inter-operate with → only possible if **standard processes & APIs are used** (e.g. MEF LSO Inter-Party standards)

MEF Accelerator Project “Flat Hammer” Enterprise Cloud Network Automation

Automating negotiation of end-to-end multi-provider network connectivity for Enterprise Customers



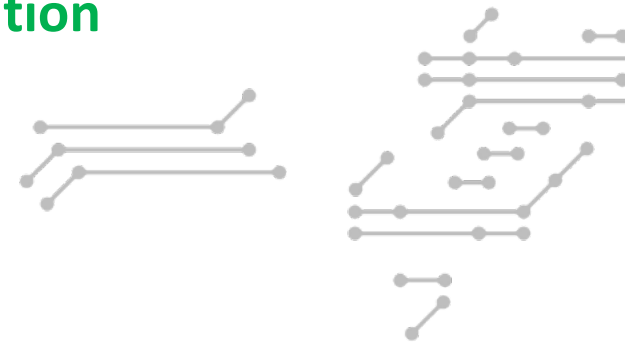
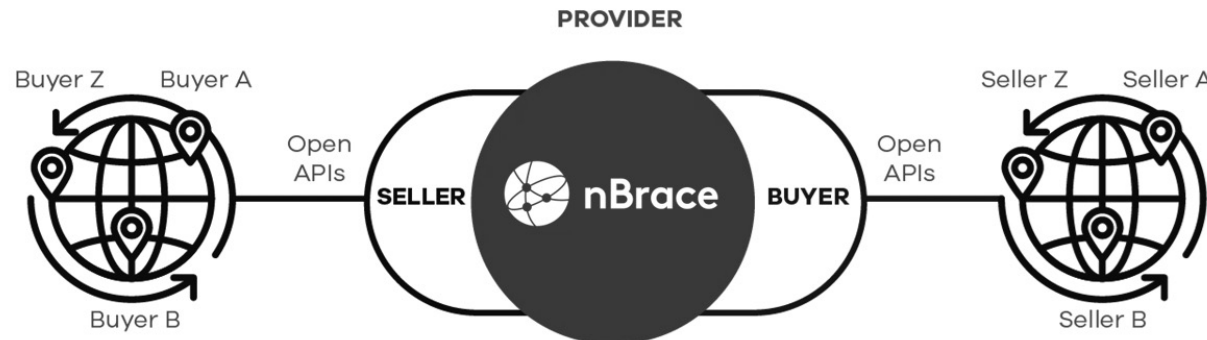
4 Project Members:



Inmanta



- **NaaS services will be based on Horizontally Integrated Enterprise Networks**
- **NaaS Customers expect Self-Service Portals & APIs**
- **NaaS Providers need standards based Inter-party Automation**
to match, negotiate, translate & operate NaaS Customer Networks & underlying services:
 - **MEF offers the LSO Inter-party Automation Standards**
 - **Amartus through nBrace™ offers the Inter-Party Automation Solution**





Thank you





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