Global NaaS Event

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BUILDING THE EDGE INTERCONNECT FABRIC

MEF Accelerator Project „Hot Mongoose"

Project Participants Representatives

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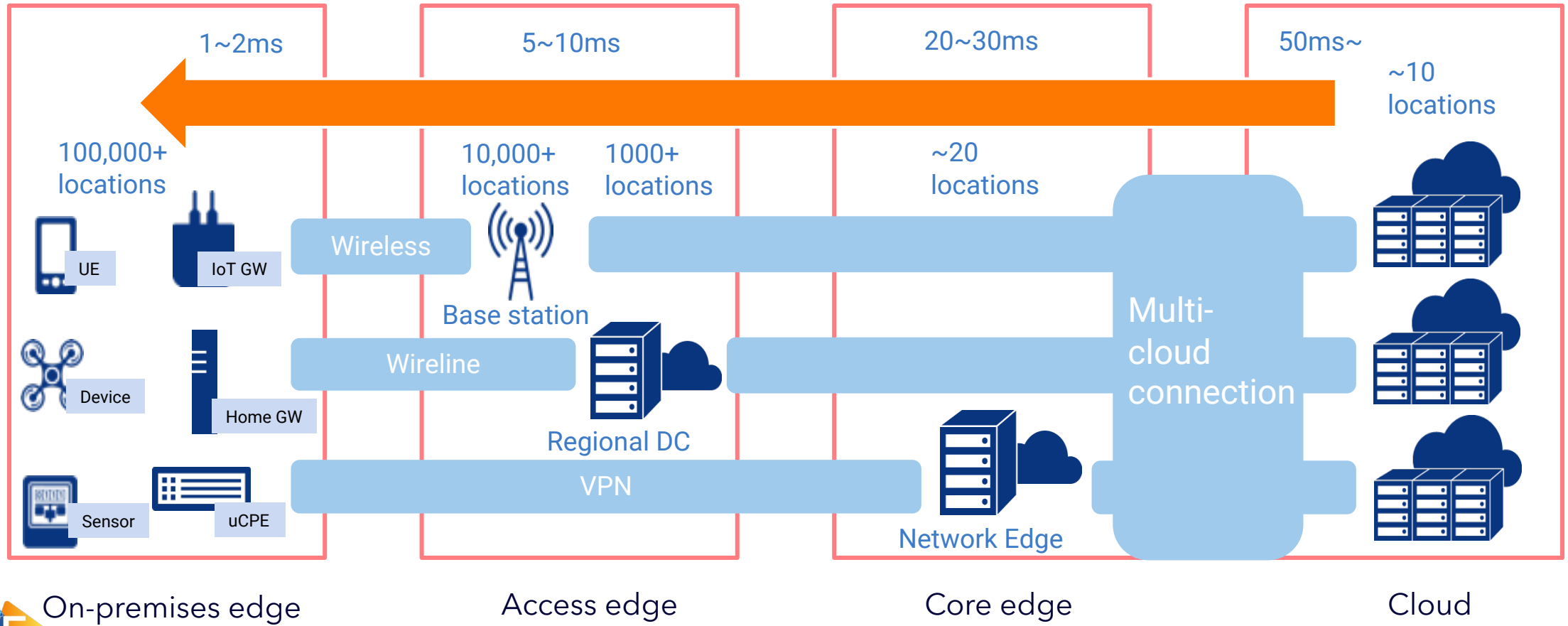
It’s all about Edge Computing

Why it matters?

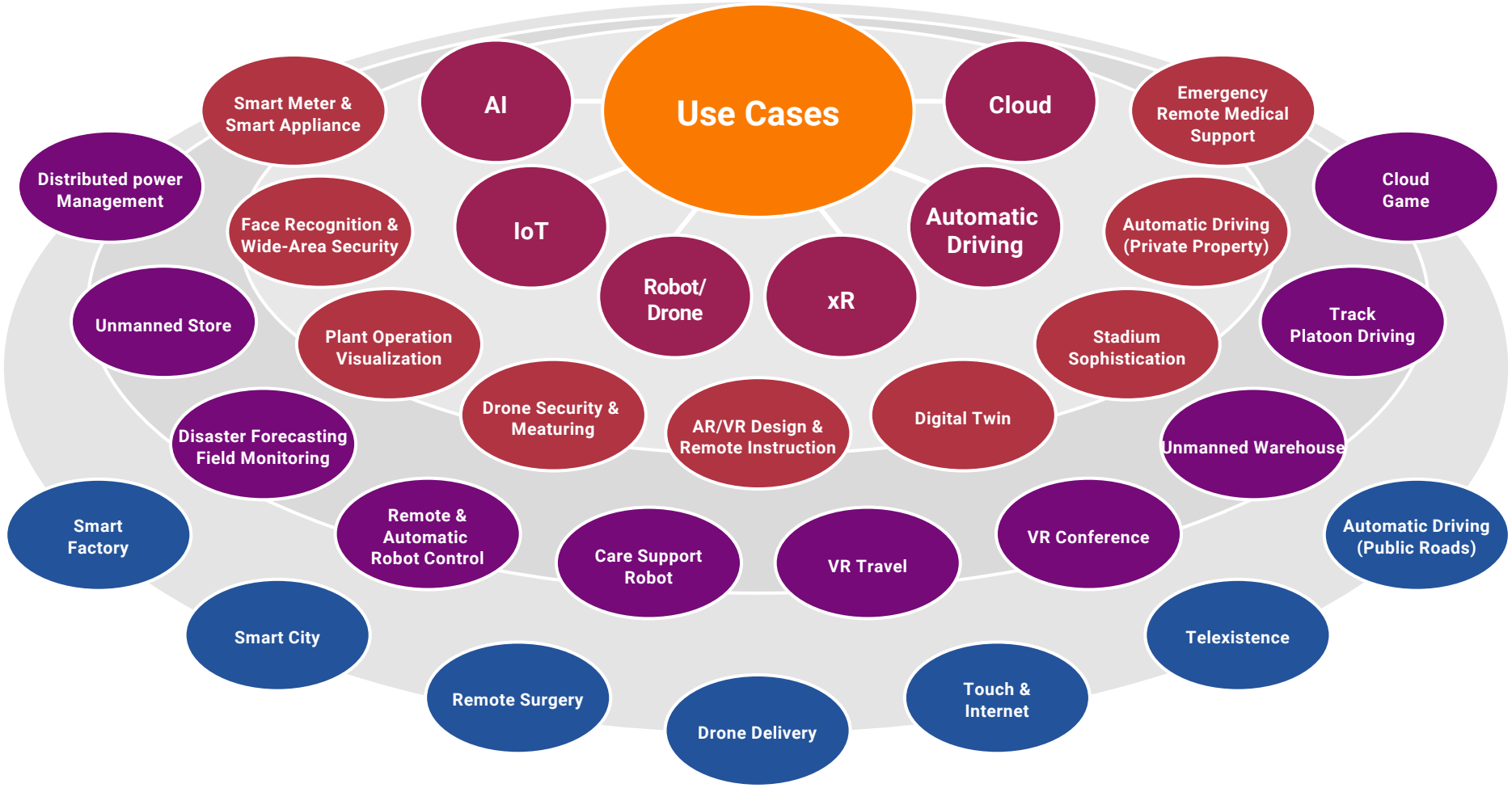
The Edge Revolution

- The telecom industry has been paying more attention to edge computing as a potential value-add service driving new revenues.
- The core concept of edge computing is provisioning cloud infrastructure closer to end users, as compared with today's traditional cloud offerings.



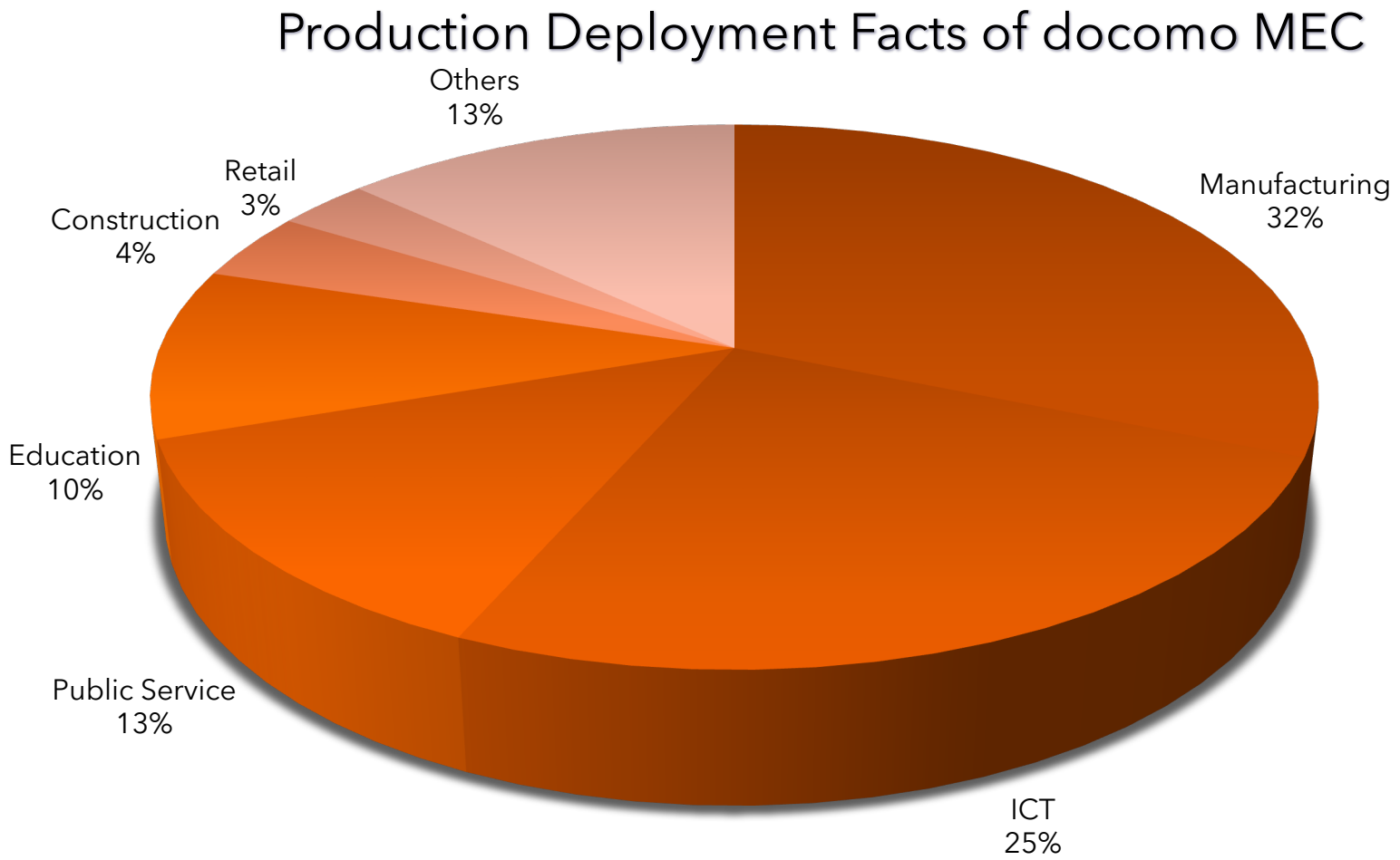
Edge Computing Use Cases

Cutting-edge AI and IoT solutions are being deployed close to the data-generating endpoints so that users can benefit from a variety of faster, more reliable services.



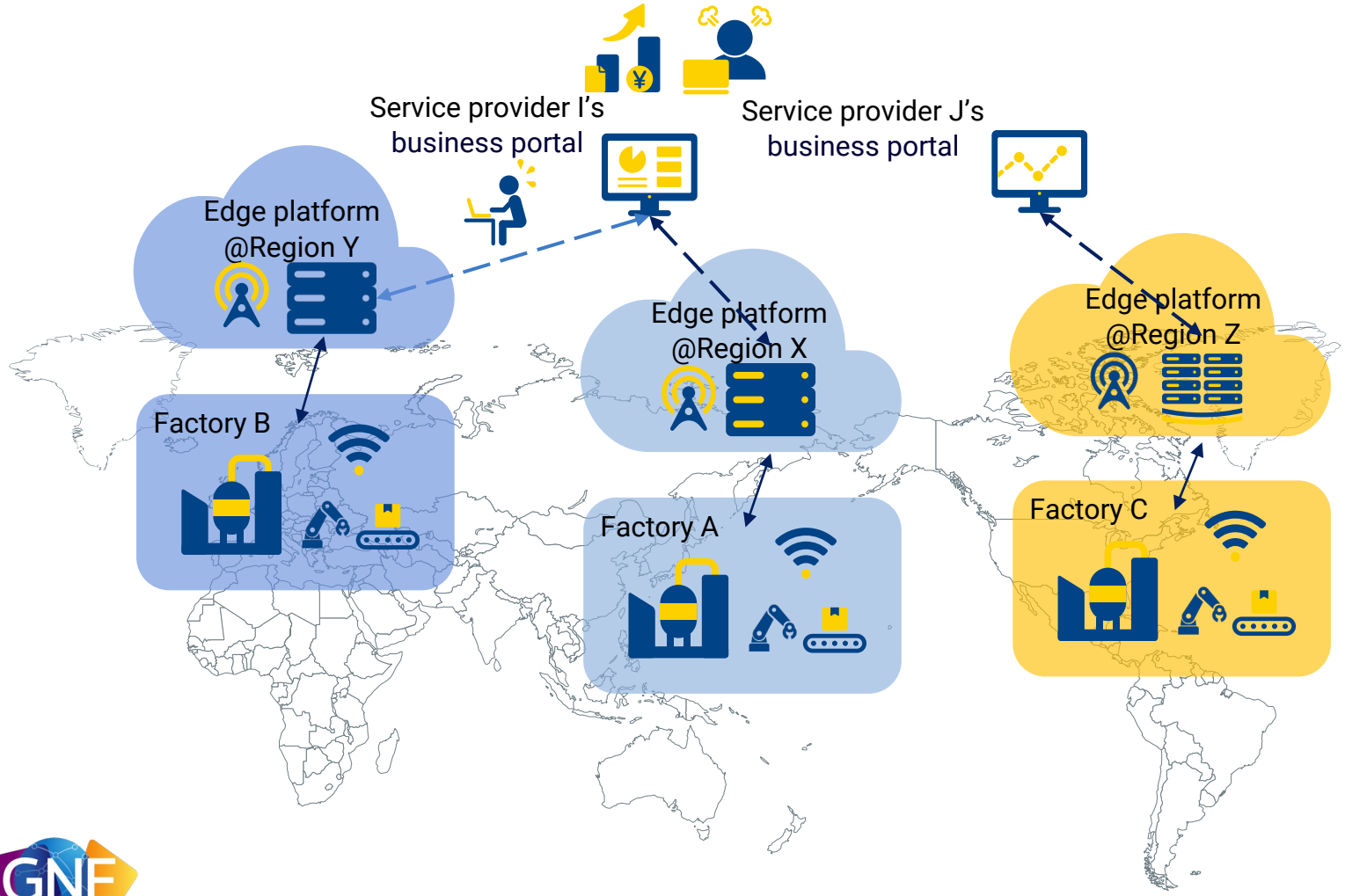
Edge Computing in Different Industrial Segments

Edge is penetrating in many different industrial segments, starting with manufacturing, ICT, public service, education, etc.



Challenges

A great amount of investment is required to provide “true” edge computing service in nationwide or even global wide scale, if we only rely on a single organization to provide such a service.



For edge service providers

- Limited edge footprint
- Tedious integrations with heterogeneous edge platforms

For edge consumers:

- Multiple contract points
- A variety of customer-facing interfaces with complex operational procedures

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The Solution

Project Outline

To enable the automated buying and selling of edge computing/IaaS to facilitate the growth of multi-provider telco edge and the expansion of available footprint to enterprise customers from a single supplier.

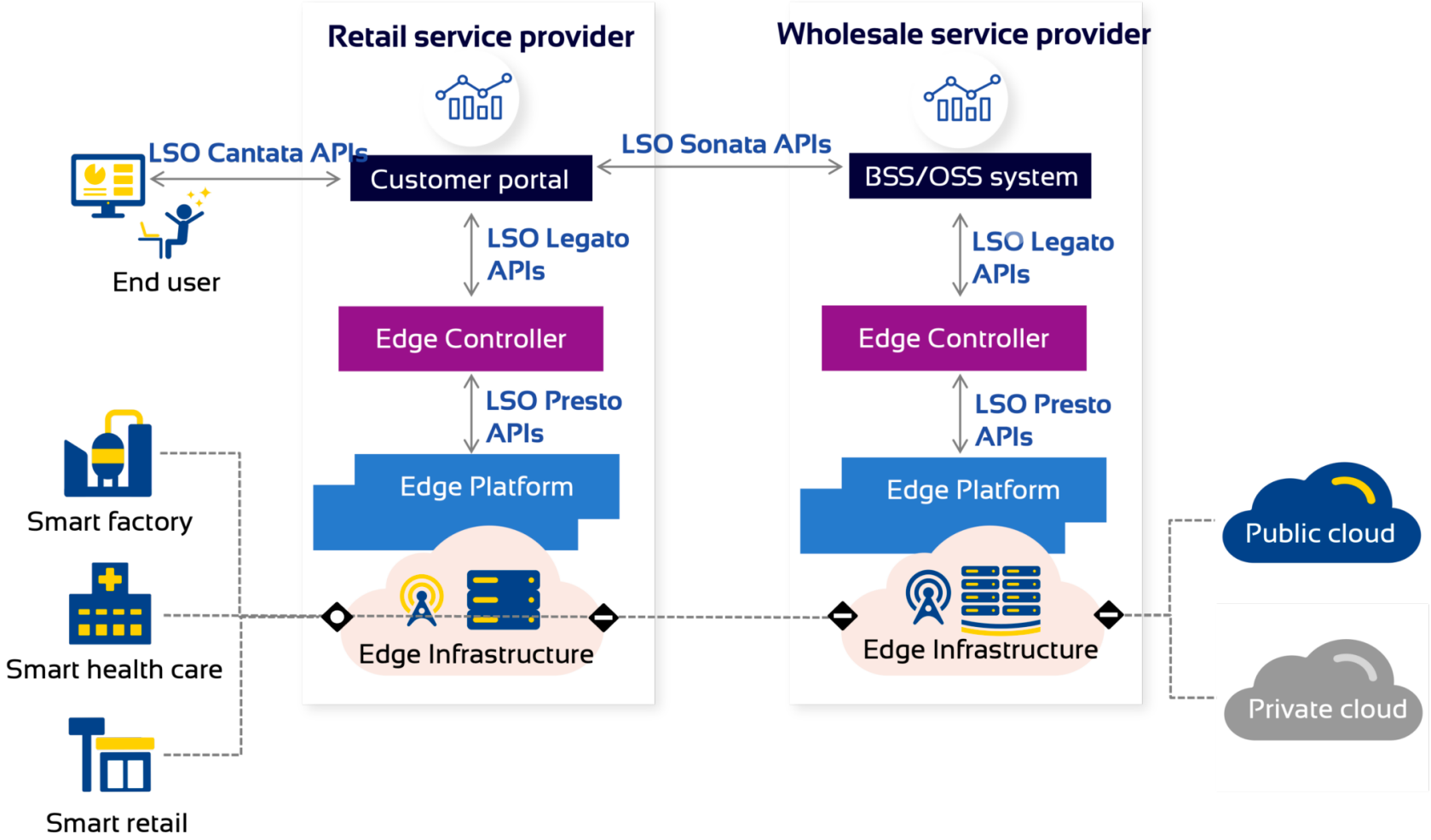
How?

By using standard MEF LSO processes and APIs, in combination with standard: Bare Metal & VM-IaaS product specific payloads (MEF W132)

Participants

Solution

MEF's open standard business and operational LSO APIs, together with MEF edge computing standards, can eliminate this scaling- and business-friction problem in the emerging world of edge computing.

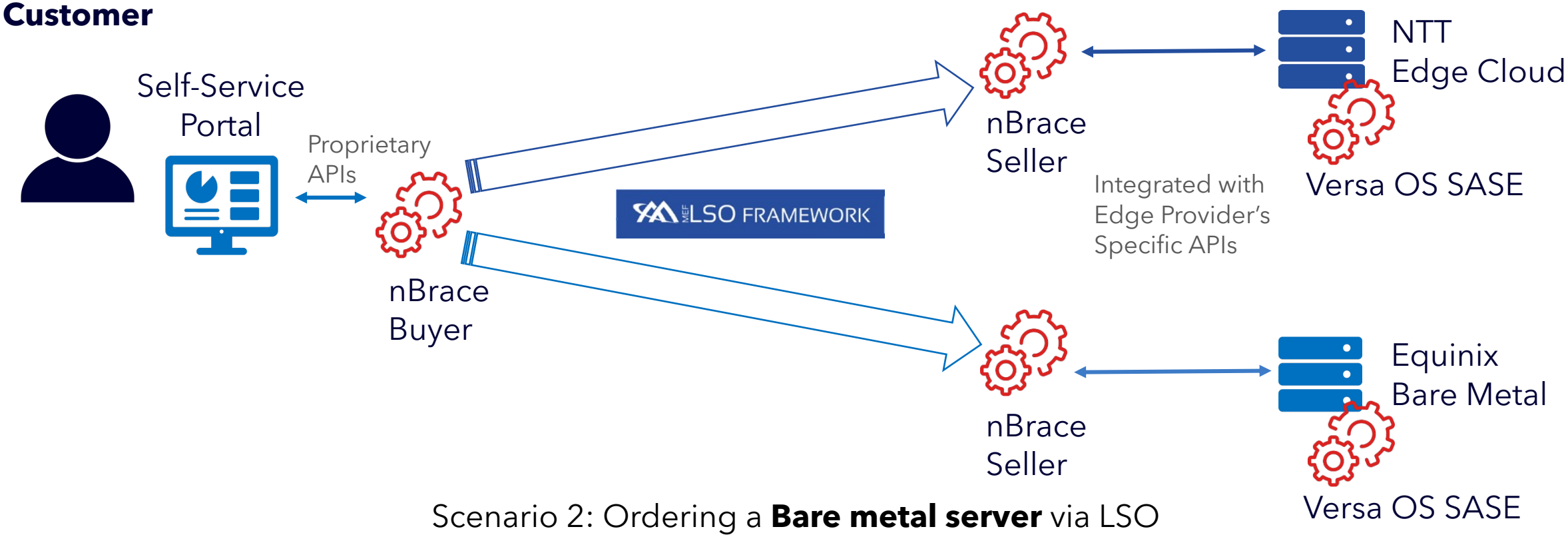


Demo Scenarios

Enterprise Customer

Scenario 1: Ordering a **Virtual Machine** via LSO API including logical network, storage and OS

Egde Providers



Scenario 2: Ordering a **Bare metal server** via LSO API including networks, host OS

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Demo-video

The Value Proposition

Edge Provider (BUYER) Perspective

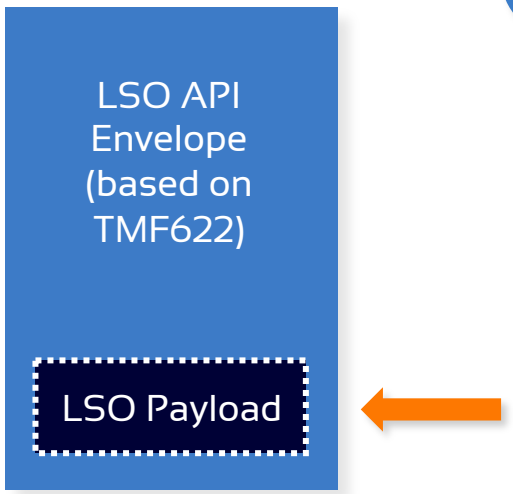
- **New revenue stream** from Global Edge Services offering
- **Quickly extend Edge Service Coverage** for customers with minimum cost
- Start with a small number of customer and **scale as needed**
- Rapid automated service Provisioning at minimal cost

3rd Party Edge Supplier (SELLER) Perspective

- **New revenue stream** by collaborating with other service providers
- Freedom from complexity of manual paper-based transaction

Deliverables for MEF community

- Bare Metal product specific payload (MEF W132)
- VM-IaaS product specific payload (MEF W132)

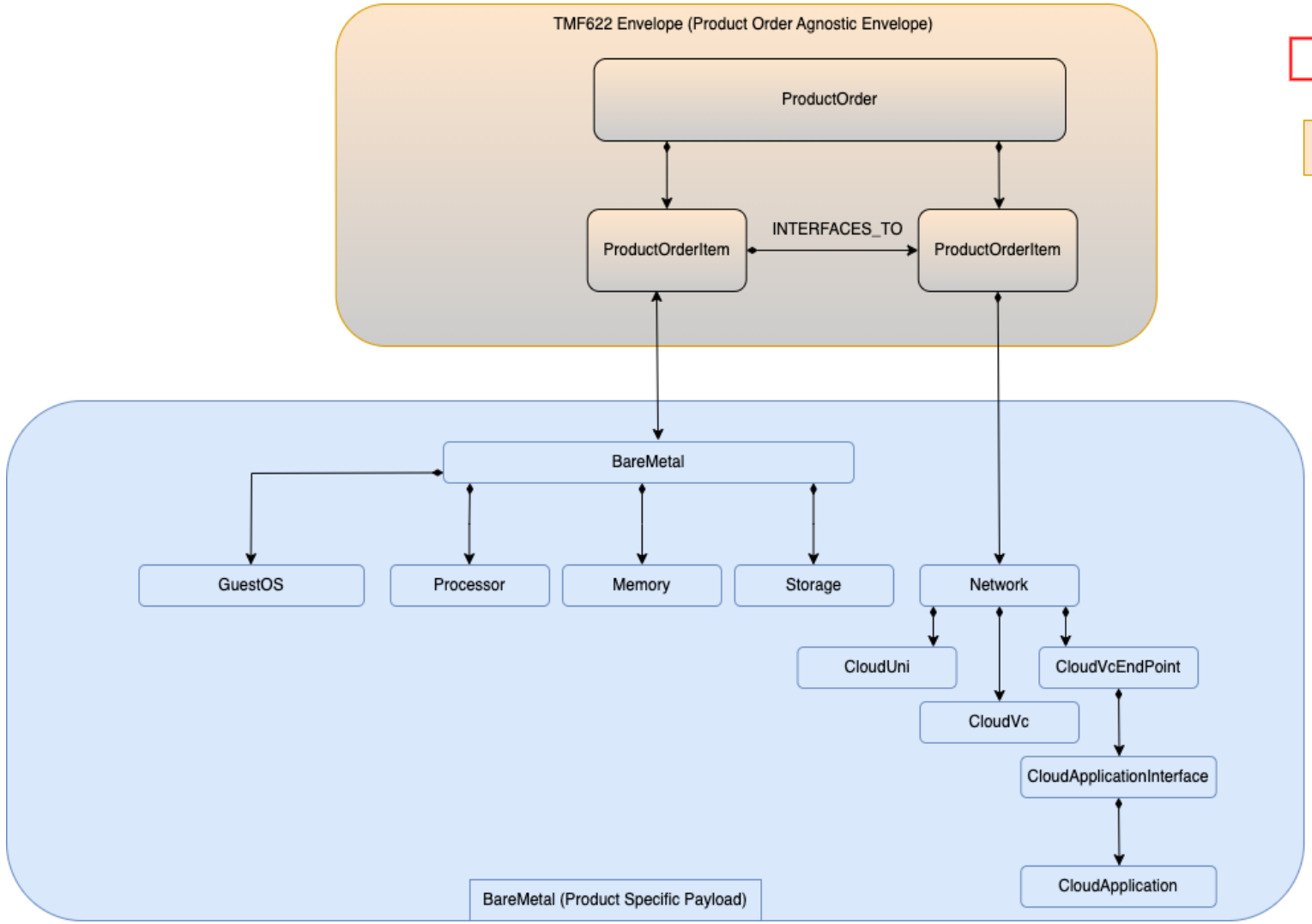


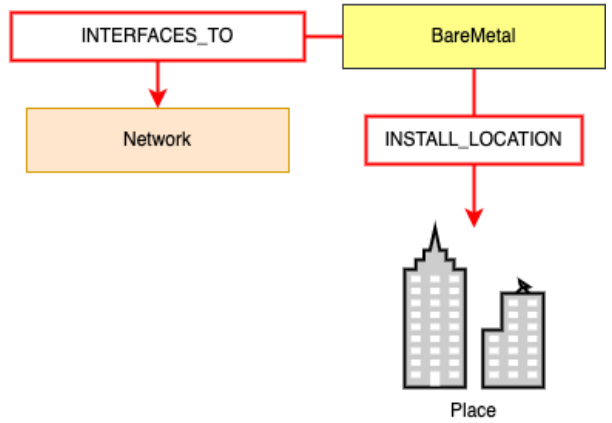
MEF-Standardized

- **Carrier Ethernet**
  - E-Line; E-LAN; E-Tree
  - Access E-Line
- **IP**
  - Internet Access
- **Edge Compute** (MEF W132)
  - Bare Metal
  - VM-IaaS

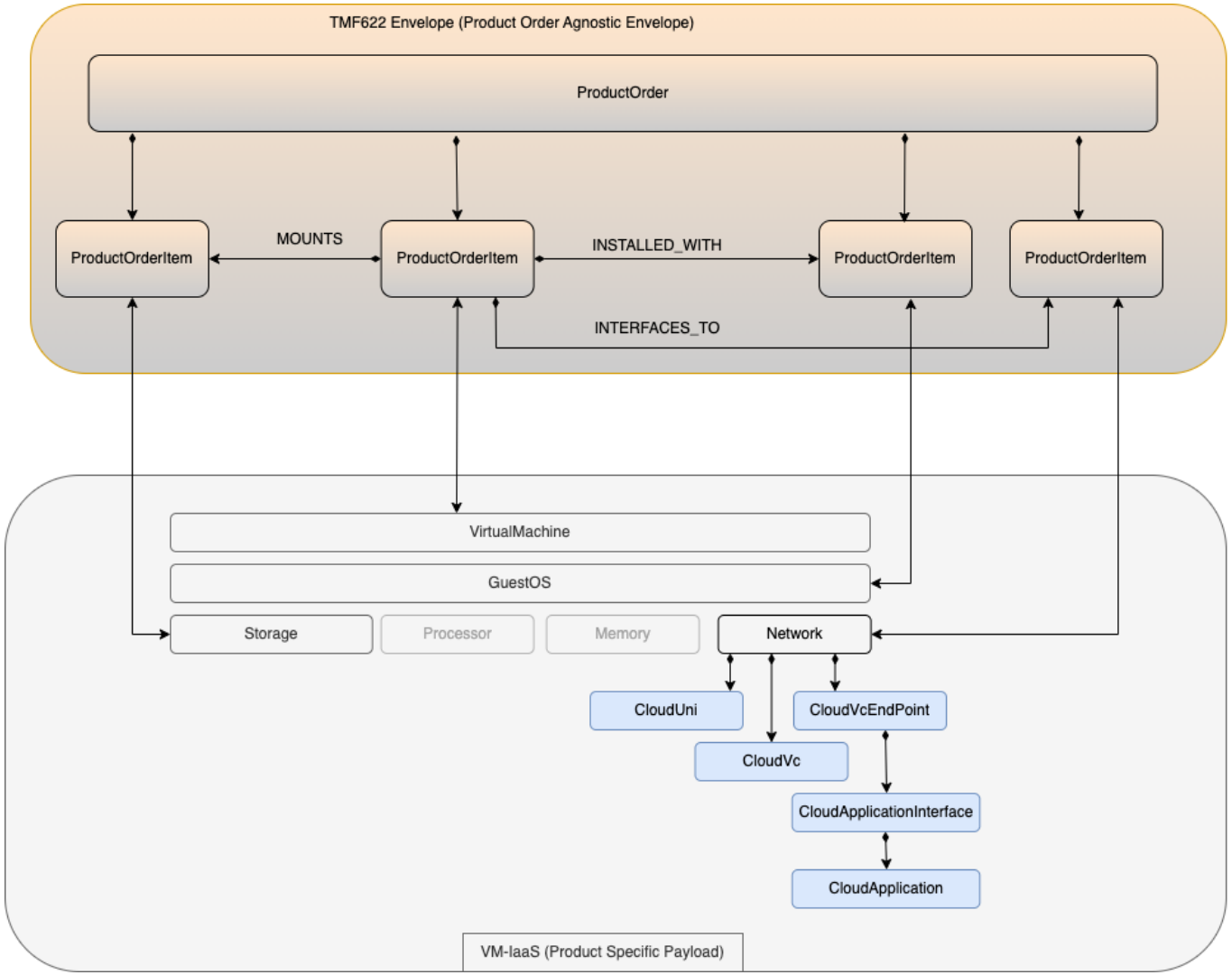
NEW!

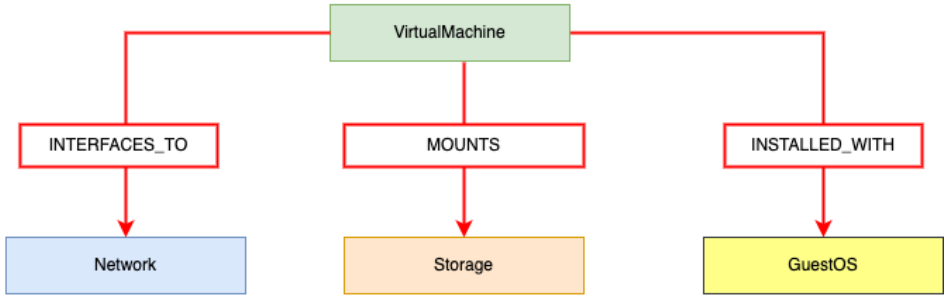
Bare Metal Product Order API





VM-IaaS Product Order API





Findings & Possible Next Steps

- MEF W132 is learning from this project and addressing the lessons learned in the document
- Examples of changes to MEF W132 are:
  - Add intended Guest OS to the Bare Metal offering
    - Required today by Equinix
  - Add Subnet to the Cloud VC
    - New attribute

Participants

Panel Q&A

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Thank You