Build Multicloud Business Platforms

Problem

Competing in the digital economy requires increased speed of change, global reach and reliability to enable cost centers to offer services that traditional centralized multicloud connectivity cannot sustainably offer due to cost and operational complexity.

Solution

Growing global hybrid multicloud utilization enables the enterprise to respond to changes in business models, demand volume, technology and regulations, control operational costs and adapt to shifting cloud providers and SaaS innovation. Interconnected edge node ecosystems allow new ventures with new technologies and business models using edge nodes as launching points. Partnerships enable regionally tailored business models on a global scale. Data placed at the edge facilitates multicloud data governance and greatly simplifies identity management across clouds and national jurisdictions. Multicloud workloads enjoy low-latency access to data at the edge, improving performance.

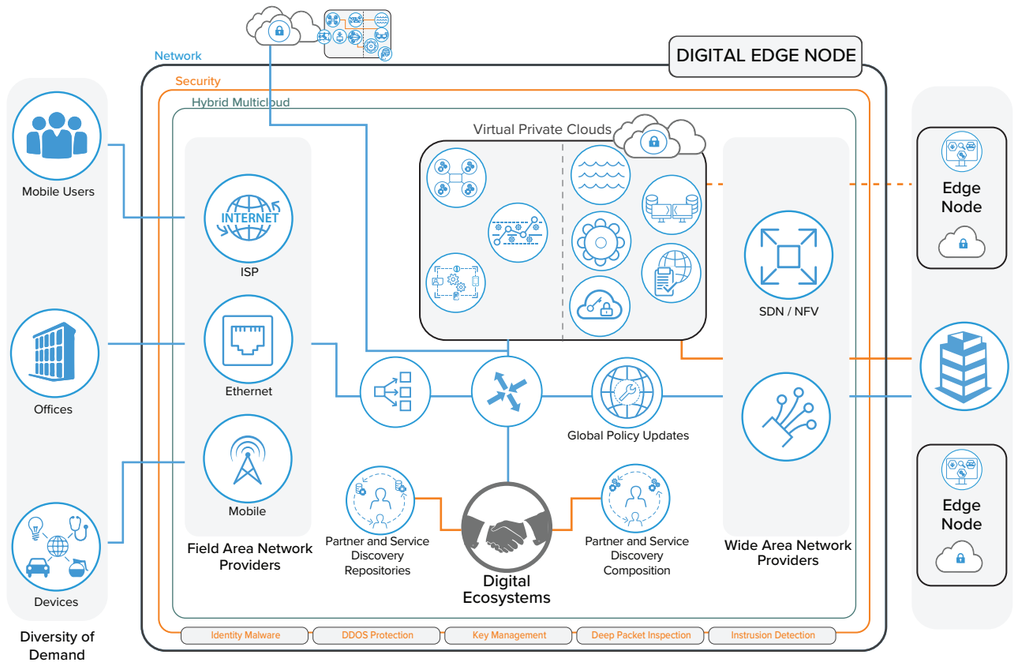
Constraints

1. New business models and technology innovation require major rework of network models and cloud connectivity.
2. Traditional cloud and network service connections are often fixed, limiting the responsiveness required to adjust dynamically to unpredictable demand.
3. Developing a distributed hybrid multicloud business platform requires a new set of architectural assumptions about distributed capacity management.
4. Assumptions about the need to custom-build all strategic applications and services hurt digital economy competitiveness.
5. A mindset change is required to architect a discoverable services model leveraging a fluid set of interconnections in a networked ecosystem that responds to changing needs.

Steps

1. Extend and productize API management [Application 1] from internally oriented to external-facing, where enterprise services are made available for discovery in edge node business ecosystems.
2. Monetize previously developed edge-based application services into publicly available services.
3. Expand how partner ecosystem services are leveraged to create new services at each edge node.
4. Construct a digital edge platform across the interconnected mesh of edge nodes, expanding reach.
5. Leverage predictive analytics to examine trends that indicate the need for new services.

Reference View



* Application Blueprint — IOAKB.com

Forces

- Technology change rapidly accelerates the range and impact of potential new business models; speed of change and time to market are the digital economy's sustainable competitive advantages.
- Cost pressures are forcing the migration of more enterprise backbone-based services and workloads to the cloud in more locations.
- Platforms and ecosystems are the foundation of value creation in the digital economy.
- Composing value chains from discoverable services in partner chain ecosystems at digital edge nodes replaces custom development as the strategic differentiator across the global digital enterprise, enabling targeted disruption in selected markets, while adapting to regional changes.

Results

Technical

- API management is productized to include edge-based partner ecosystem discovery.
- The building blocks for a distributed digital business platform are established to compose business services faster.
- Cloud-based services are available across the interconnected edge nodes across regions.
- Virtualized service interconnections are adjusted to needs by region and demand.

Business

- Competing in and disrupting the digital economy is strategically feasible.
- Time-to-market introduction of new services is greatly improved across regions.
- Development mindset is aligned with the rapid changes in the digital economy, where leveraging partner ecosystems for new features is a first choice.