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## THE OPERATIONS CENTER OF THE FUTURE Agile working, frequent incremental changes Focus on customers and services incorporated using a DevOps Approach not network Infrastructure M Forum has assets exploring how providers can increase TM Forum has developed many assets to explore how providers eed to evolve to maintain their focus on customers and servic usiness agility by adopting key aspects of DevOps methods, for stance an e-book, outlining how to transform from SysOps/ uality in a virtualized world. For instance an Information etOps to an agile DevOps approach for the introduction of Guide to bring out the challenges and impacts of end-to end Service Assurance and SLA management in a hybrid physical ew services; WHAT DOES IT TAKE TO BE AGILE? To see this and virtualized environment, (IG1127 - E2E Service Assurance and other assets , scan the QR code. SLA Management), to see this and other assets, scan the QR code. **Operations Center** of the Future **Extensive liaisons with ecosystem** Automation driven by data analytics and policies to reduce partners both as providers cycle time and cost and channels TM Forum has assets exploring practical solutions for new TM Forum has assets exploring the practical reality of managing ousiness models requiring managing end-to-end a network that ybrid networks, for instance an Information Guide which stablishes challenges in a hybrid operating environment is not all owned by a single provider, for instance an e-book, a olueprint for End-to-End management which addresses the comprising both the new NFV based networks services and urrent network services (IG1122 - NFV Readiness: Operating a essential requirements for effective management of physical Hybrid Virtualization Network Infrastructure). To see this and and virtualized services end-to-end across multiple provider environments; NFV: CAN IT BE MANAGED? To see this and other other assets, scan the QR code. issets, scan the QR code.

## **ZOOM PRINCIPLES**

• Open, dynamic APIs, exposing standardized network and management functions all layers

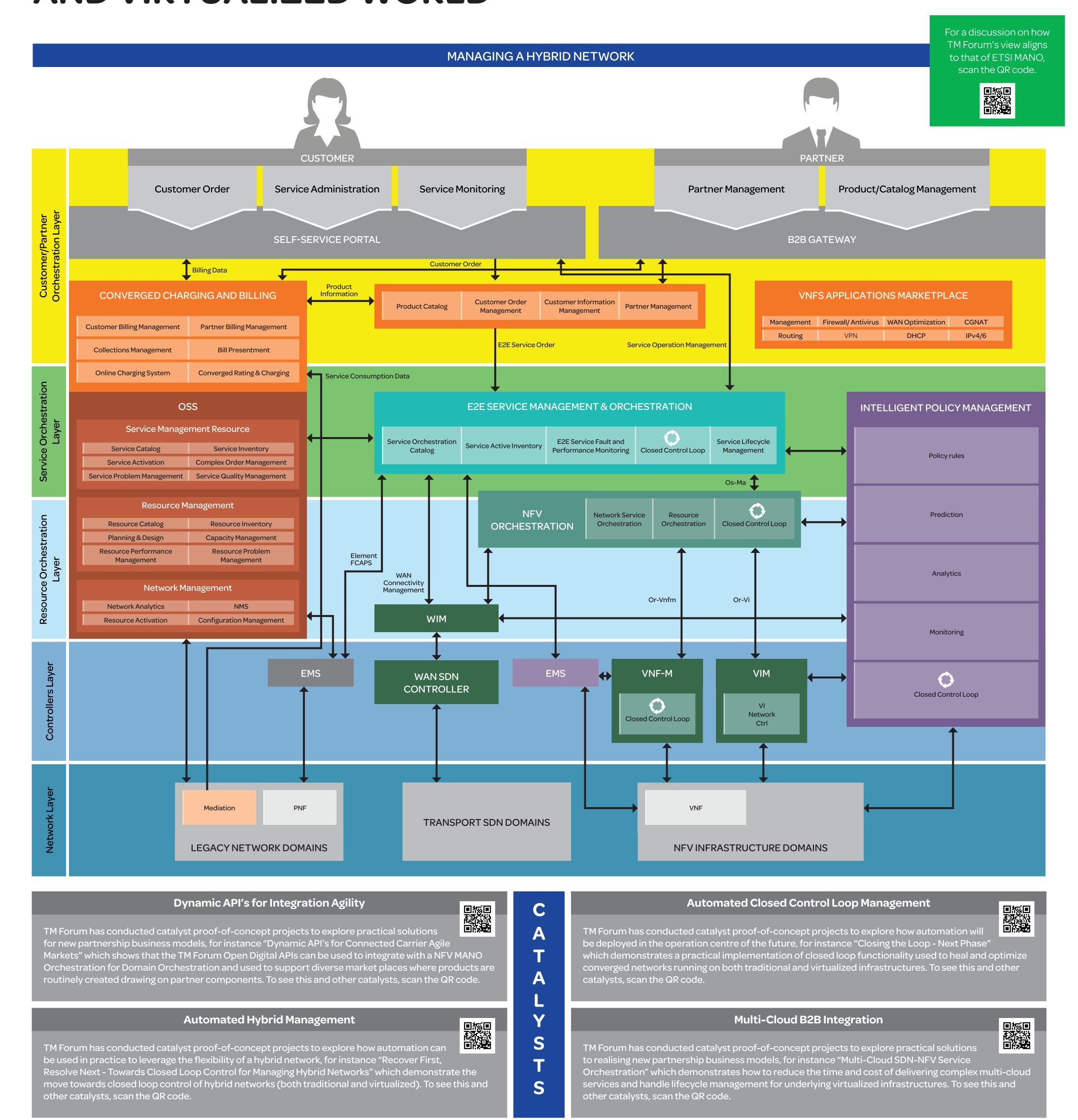
- Transparent end-to-end management across both horizontal and vertical boundaries
- Event-driven, using policy management, data, and metadata, enabling automated management. Management is driven via closed control loop, and may be augmented by analytics
- Integrated analytics, enabling a consistent view and analytics from physical to virtual, by design
- Self-service, requiring minimal intervention from expert resources and enabling customer configuration

• Service and business model agnostic, enabling a flexible range of services and monetization models

- Multi-tenancy capabilities native to the infrastructure
- Near Real-time and zero-touch, executing requests rapidly without human intervention
- Hardware agnostic, separating hardware and software layers, with intelligence held in the software
- Resilient to hardware failure and localized load demands through intelligent software
- Security and privacy assured by design and at multiple levels
- Software License management built in rather added on to enable flexibility

## TRANSFORMATION TO AN AGILE AND VIRTUALIZED WORLD





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