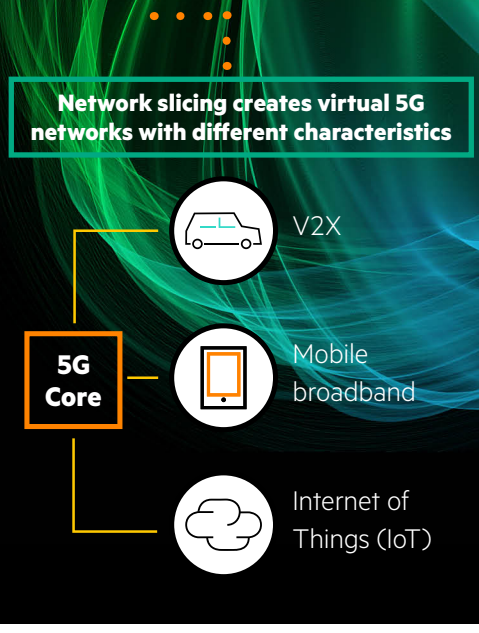
Hewlett Packard Enterprise

5G NEEDS A NEW CORE

Access agnostic, open, and scalable

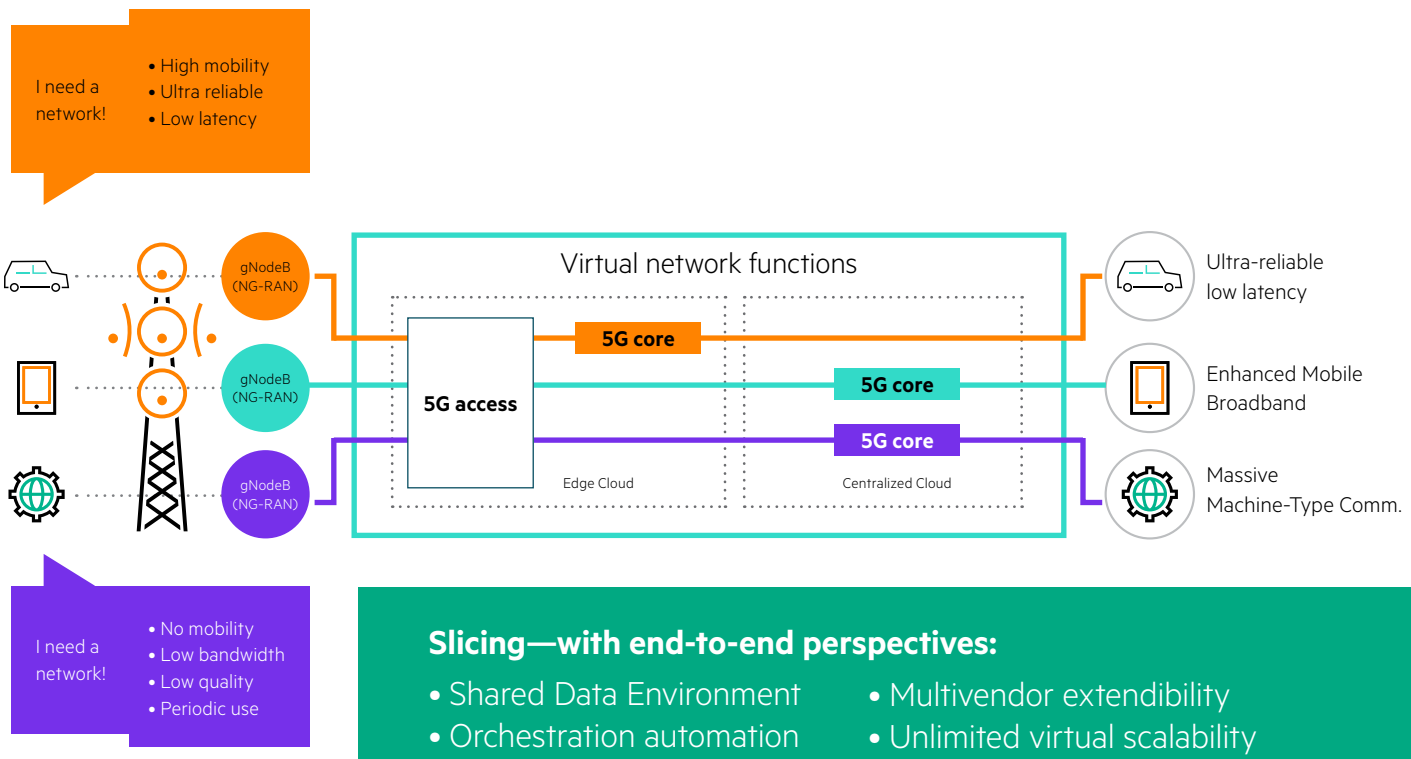
5G STANDALONE—POWERED BY ITS CORE

- An **access-agnostic** network is only possible with a core that is truly 5G
- Subscriber and session data management through a unified, centralized **Shared Data Environment**
- Provision the right service for each use-case with **network slicing**
- Accelerate development cycles through an **open cloud-native** architecture and DevOps approach



NETWORK SLICING

Multiple logical networks over the same network infrastructure

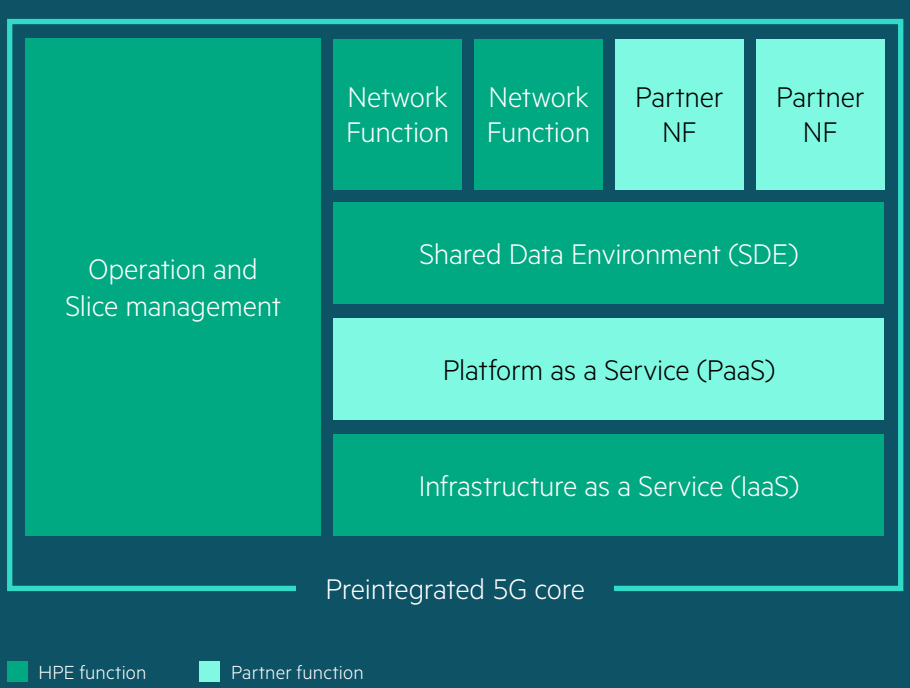


Slicing—with end-to-end perspectives:

- Shared Data Environment
- Orchestration automation
- Multivendor extendibility
- Unlimited virtual scalability

HPE 5G CORE STACK

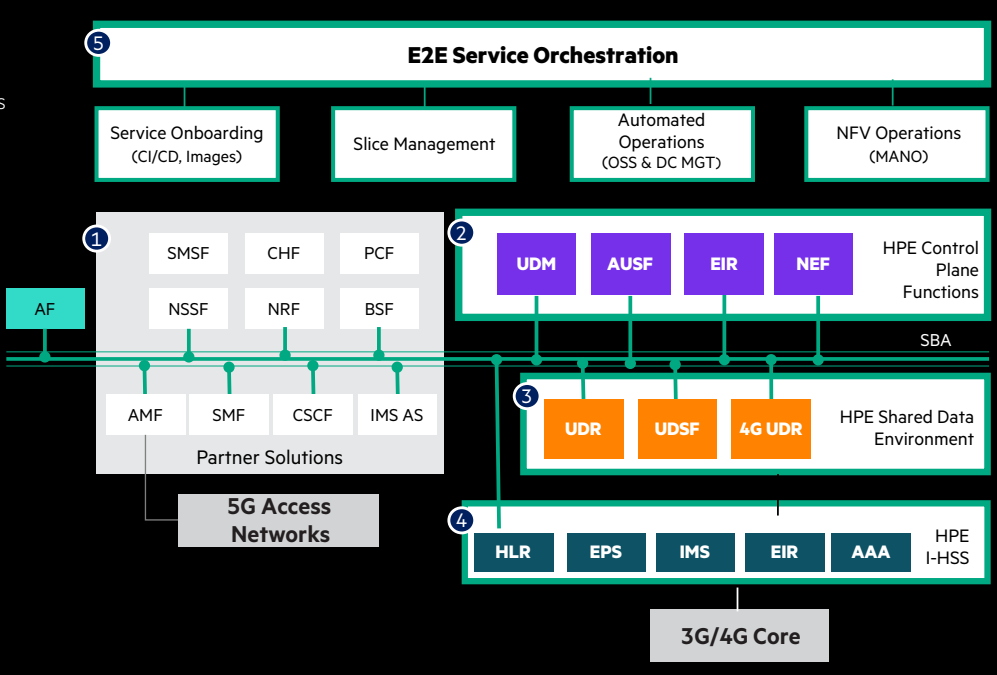
Cloud-native, agile, open, and priced by consumption



- **Designed** from the ground up to be cloud native
- **Reduced risk and complexity** with preintegration of validated PaaS, multivendor NFs and orchestration
- **Reduced operational costs** through end-to-end orchestration and automation
- **Break vendor lock-in** by integrating stateless network functions from multiple vendors on a common service-based architecture and Shared Data Environment

TRANSFORMATION OF CORE NETWORKS

1. **End-to-end 5G solution**
   With common tools and integration and test environments with partners
2. **SBA and cloud-native NFs**
   Container-based, micro-services, IT-like scalability and cost saving integration with CI/CD pipeline
3. **Shared Data Environment**
   Cloud-native UDR and UDSF to store profile session and state data Common SDE for 3G/4G/5G
4. **3G/4G/5G co-existence**
   Adoption of SBI in legacy HSS
5. **Unified Orchestration**
   Full suite of management solutions
   ETSI/3GPP standards compliance
   Network slice management



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