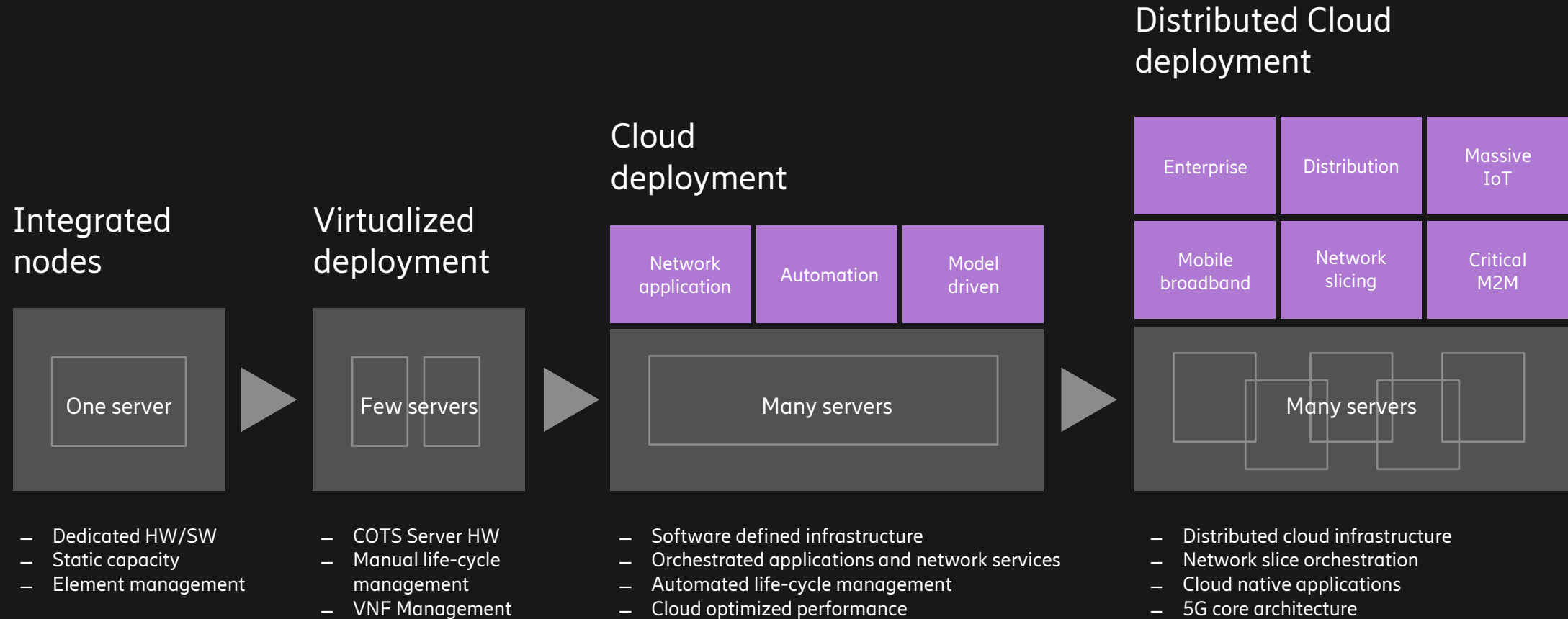


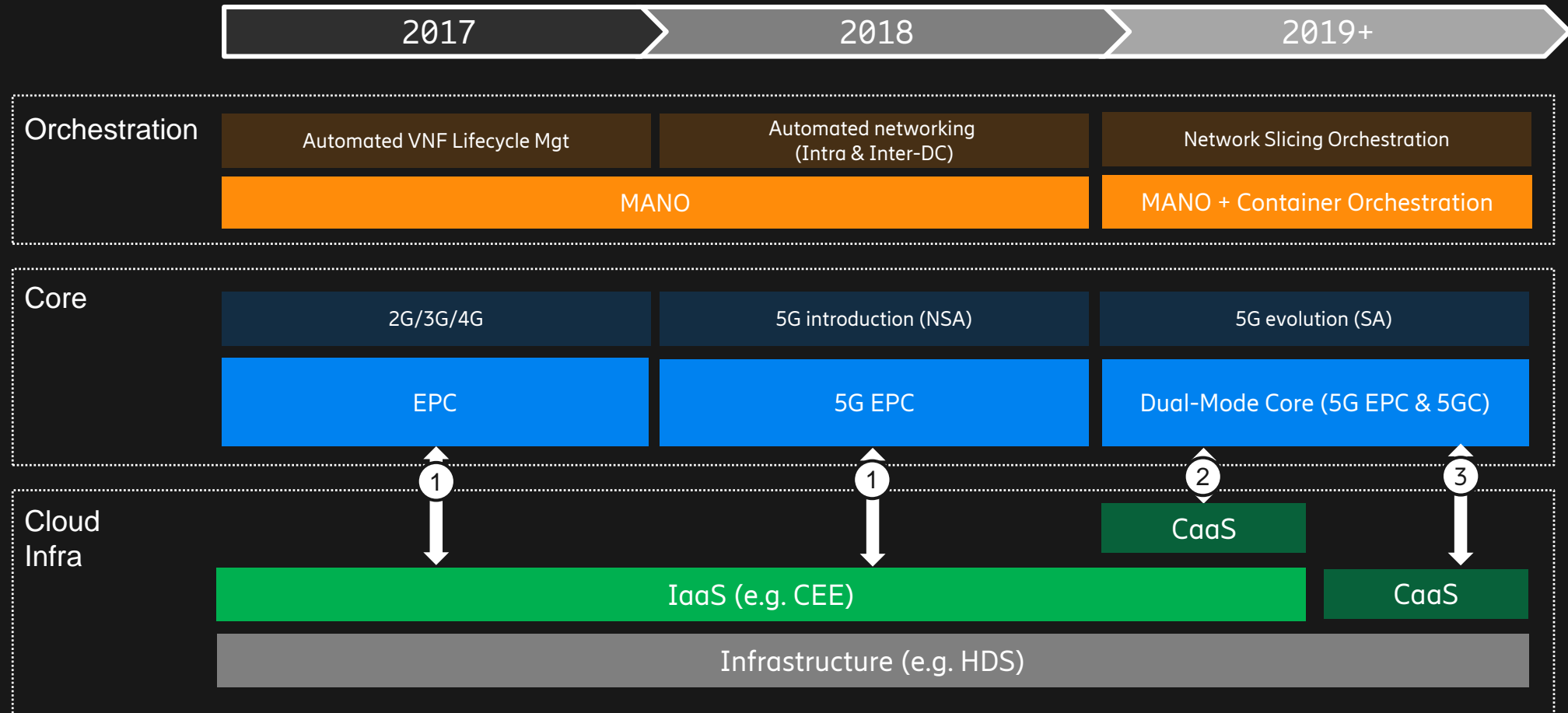
Ericsson software defined infrastructure —

A key part of Ericsson NFVI & journey to 5G Cloud infra

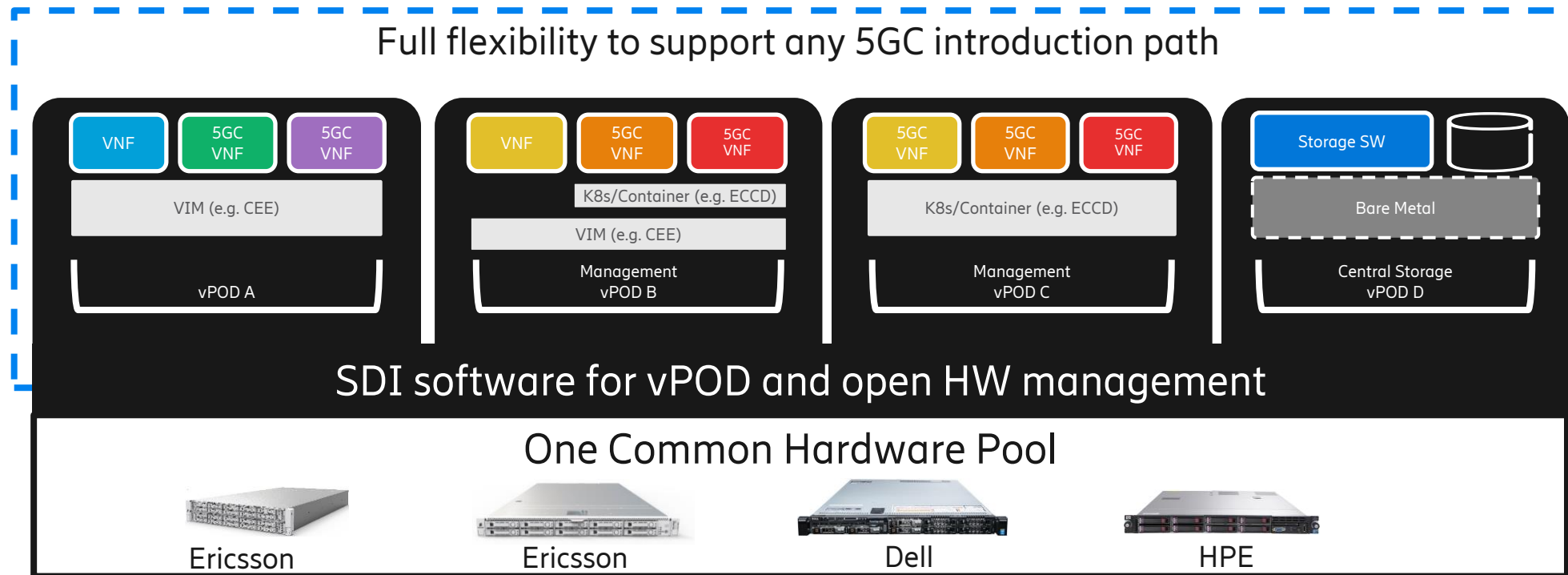
Cloud & NFV – a foundation for the evolution to 5G



Ericsson 5G Core is cloud-native and supports multiple deployment models

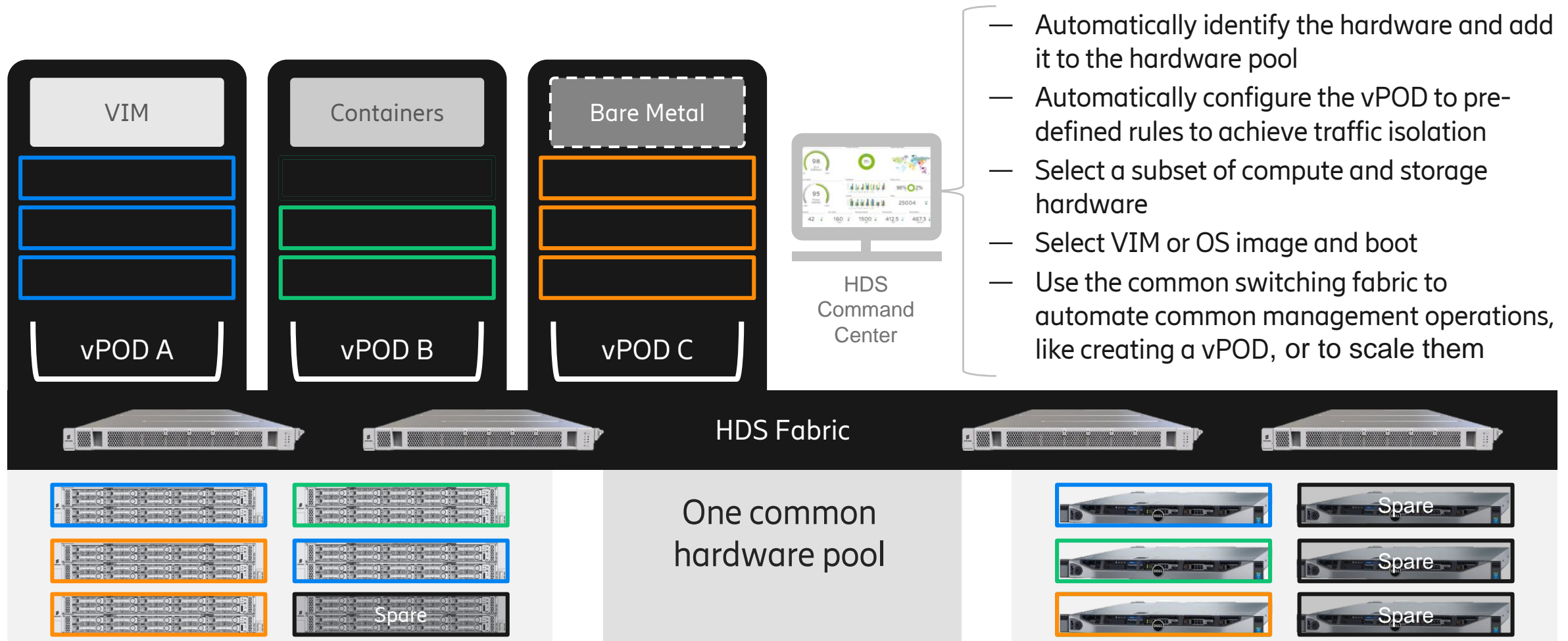


Software Defined Infrastructure for efficient introduction of 5GC



- › One common HW pool is used for applications in cloud, appliance, container or bare metal environments.
- › Open: One integration point to management systems and managing all hardware

What is a vPOD and what is Ericsson Command Center?



So, what are the vPODs good for?



Reduced risk and increased efficiency through separation of different environments

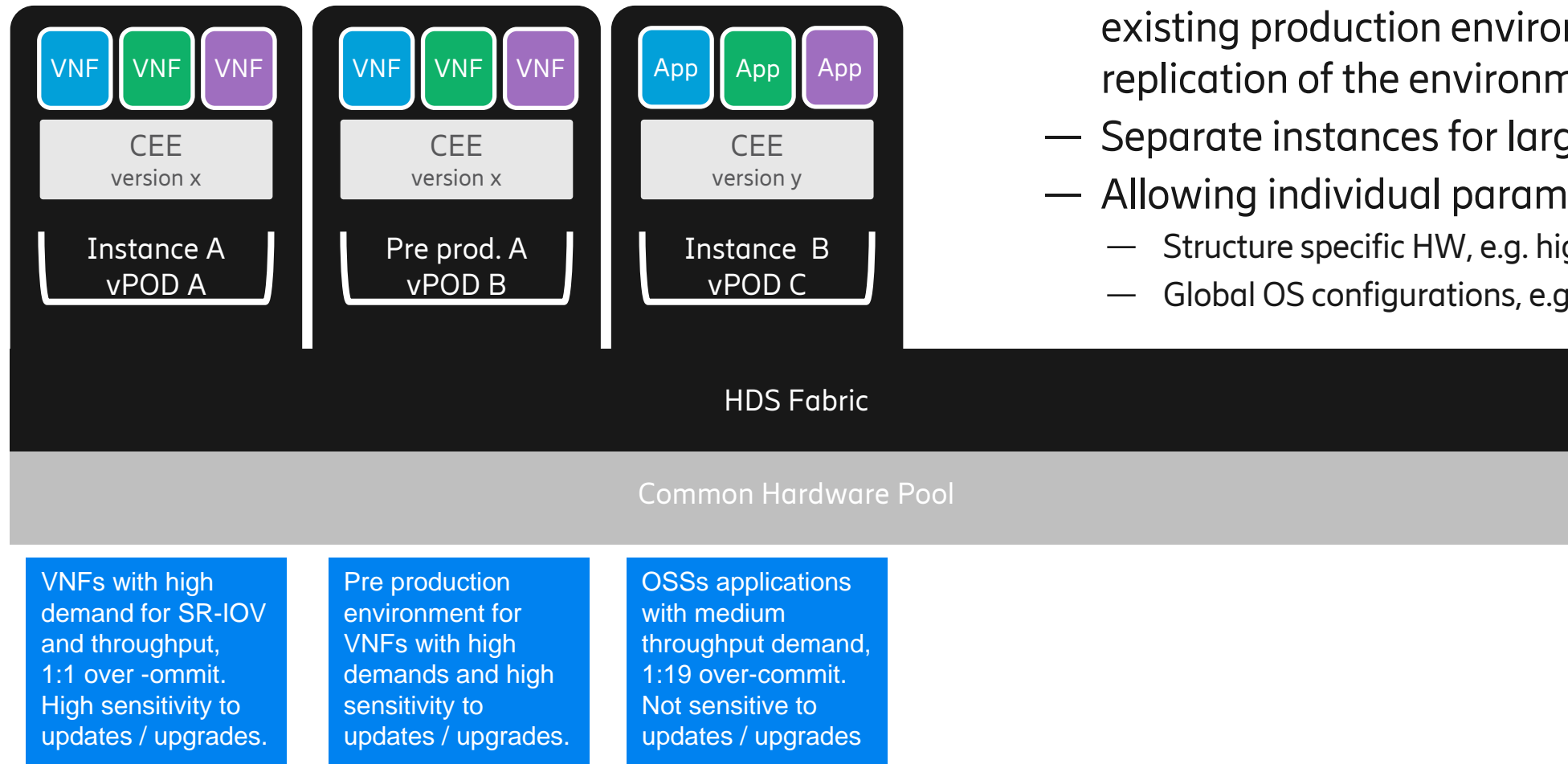
Minimize downtime and improve time to market with rolling updates and upgrades

Secure management and orchestration of all instances on all sites – a cloud built to scale

Efficient hardware operations and utilization across different organizations

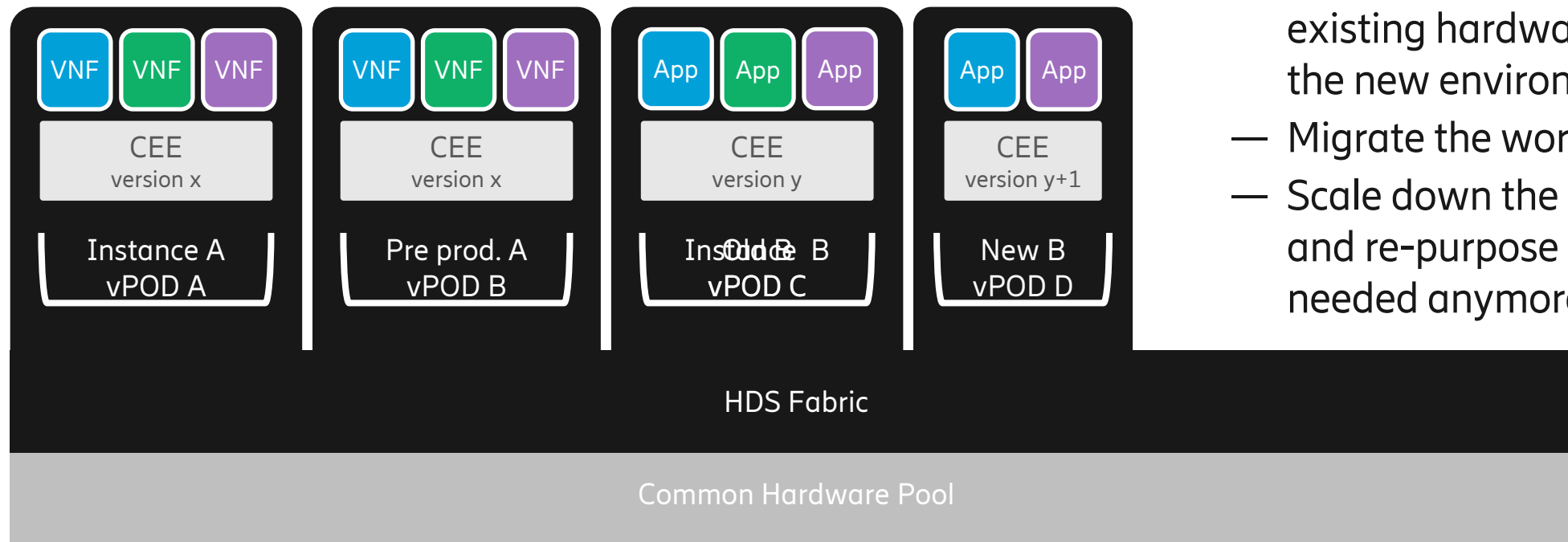
Fast setup and scaling of infrastructure
- create a POD in minutes, not months

Reduced risk and increased efficiency through separation of different environments



- Simplified shift from development into existing production environment by detailed replication of the environment
- Separate instances for large implementations
- Allowing individual parameters per vPOD
 - Structure specific HW, e.g. high throughput SR-IOV
 - Global OS configurations, e.g. over-commit of cores

Rolling updates and upgrades to decrease downtime and increase utilization

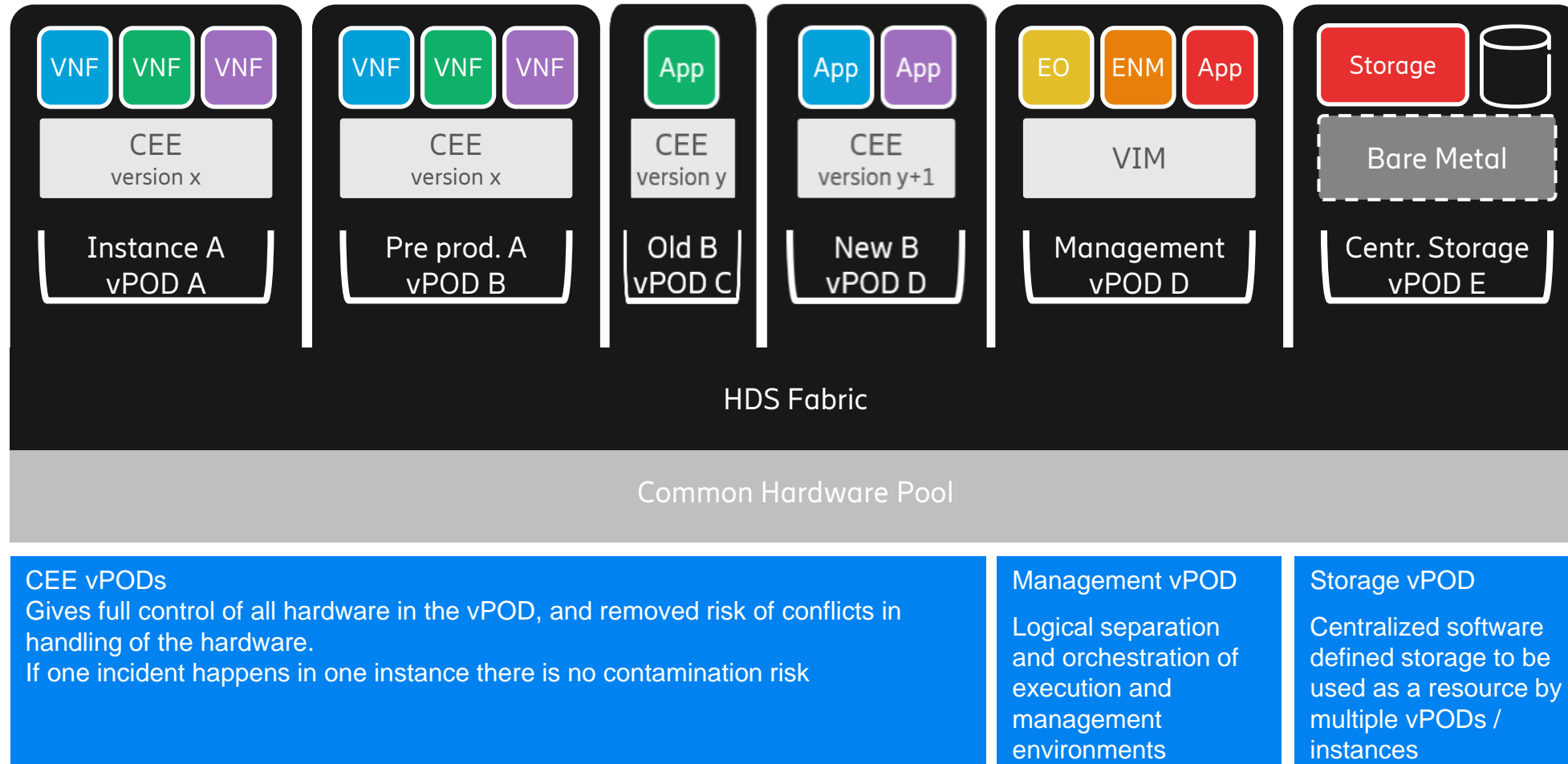


- Create a new vPOD using the existing hardware buffer to set up the new environment
- Migrate the workloads and traffic
- Scale down the originating vPOD and re-purpose the hardware if not needed anymore

Secure management of all instances on all sites – a cloud built to scale out



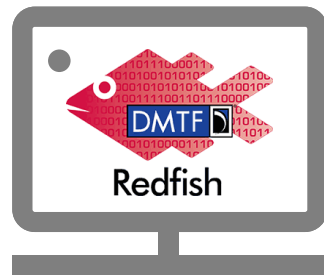
Ericsson System Verified NFVI



Ericsson - Intel cooperation on Rack Scale Design



Full functional, open northbound REST API,
RSD/DMTF Redfish compliant



Ericsson HDS 8000 Command Center

Intel RSD optimized HW
› HW disaggregation with SSU storage
› Next level OOB mgmt. with RSD/PSME



CSU 0201 (Compute Sled Unit)

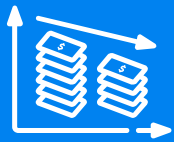


Realizing the software-defined infrastructure vision - Driving hyperscale clouds jointly with RSD



<https://www.ericsson.com/digital-services/trending/software-defined-infrastructure>

Ericsson SDI key values



Operational efficiency

- › Simplified management with one HW pool - multiple vPODs
- › Efficient HW infrastructure management



Fast time to market

- › Fast software defined setup of new HW infrastructure



CAPEX efficiency

- › Ericsson and other vendors' compute and storage HW options
- › Reduced management system integration effort
- › Increased HW utilization with common hardware pool



SDI with telecom capability

- › High availability
- › Service availability
- › Throughput guarantees