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Improve 5G Service Time-to-Market with ONAP

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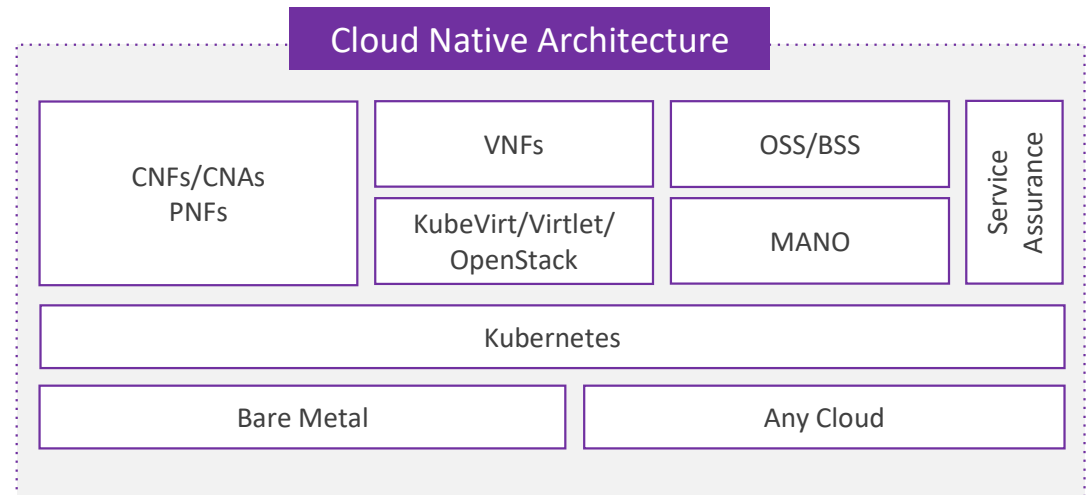
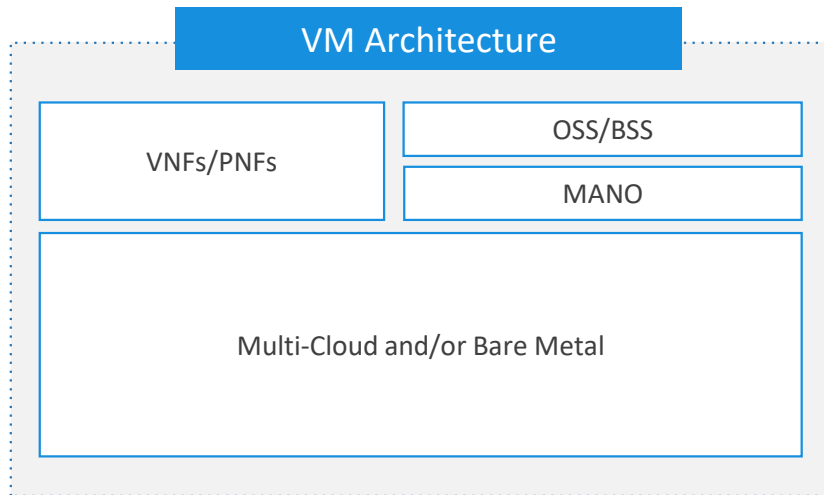
5G Cloud Native Network Proof-Of-Concept Goals



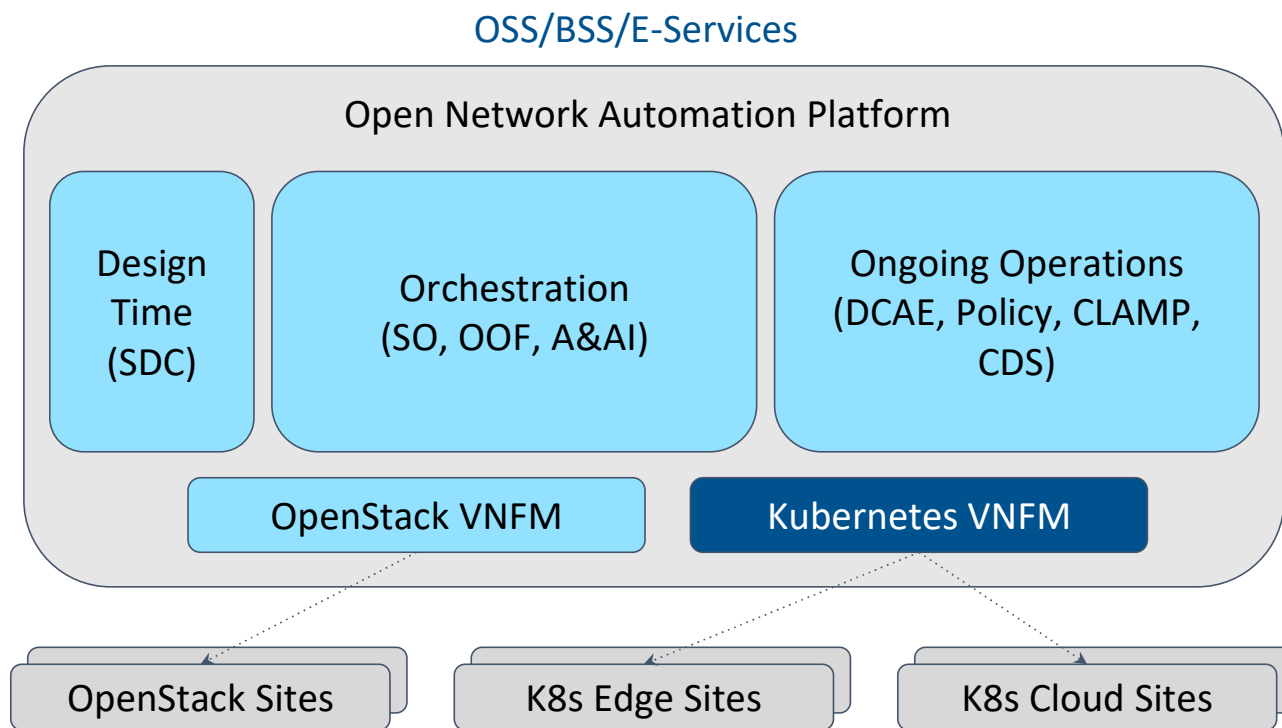
- Interoperable end-to-end 5G
- Onboard 5G Core (5GC) Cloud Native Network Functions (CNFs) using ONAP code
- Demonstrate deployment of 5GC, Next Generation Firewall (NGFW) onto Kubernetes + SD Fabric lab infrastructure
- Use gNB/UE emulator to test 5GC for end-to-end CNF onboarding and orchestration



Evolving to a Cloud Native Architecture

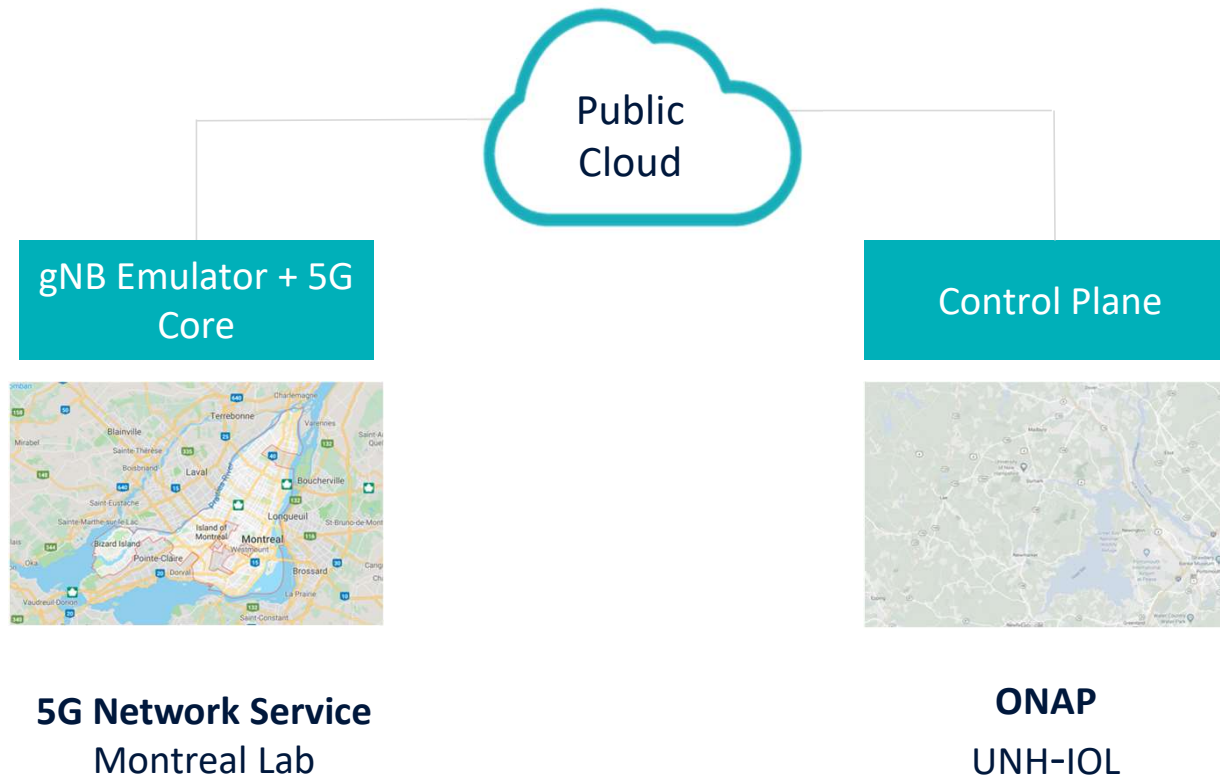


ONAP Cloud Native Support

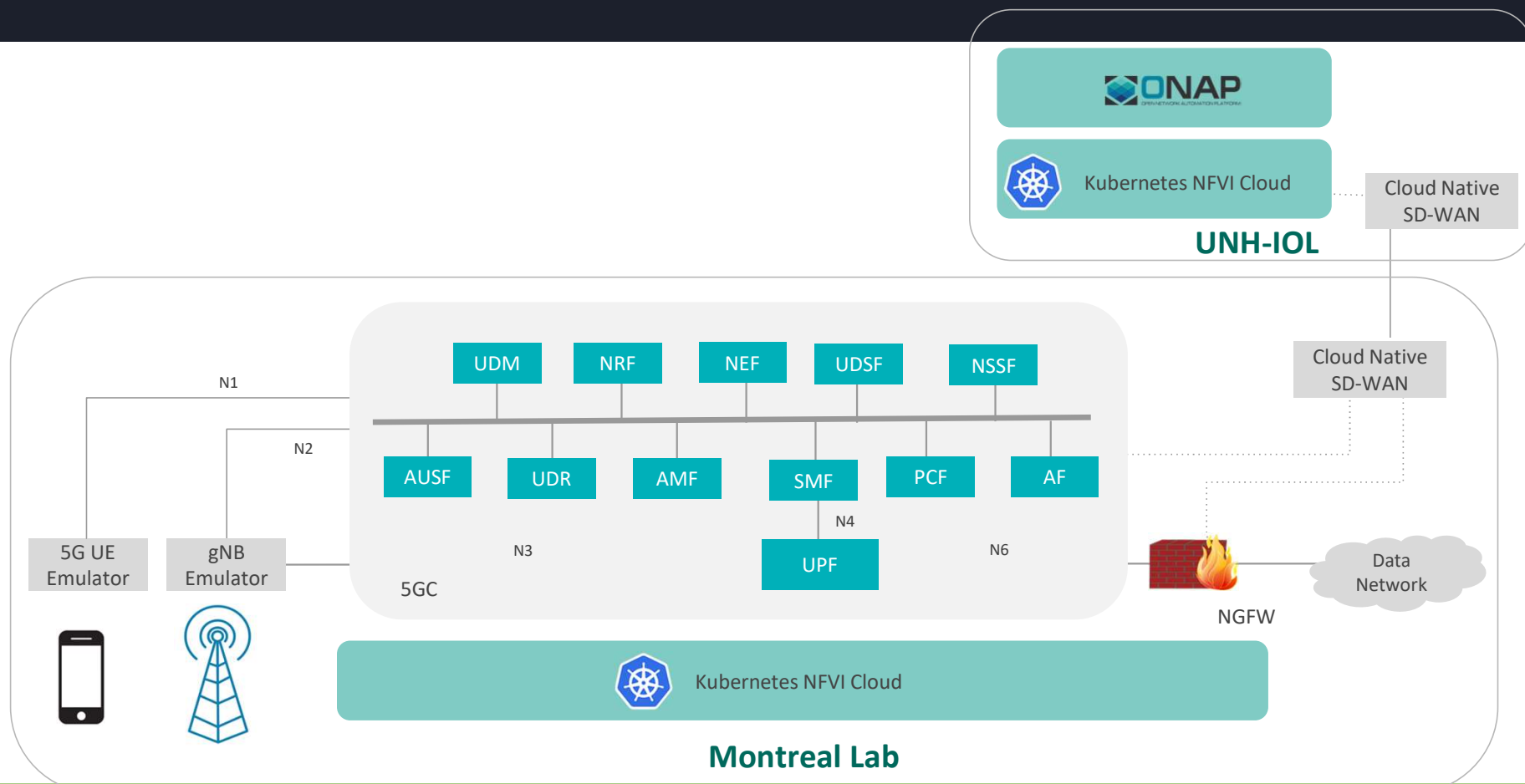


- ONAP uses a cloud native architecture
- ONAP support multiple types of VIMs with placement capability
- Design tools support multiple formats (TOSCA, Heat, Helm)
- Telemetry collection and control loop actions
- Standards compliant (ETSI, TMF, MEF, 3GPP)
- Day 2 via REST, Netconf, K8s CRDs
- A&AI for inventory/network status

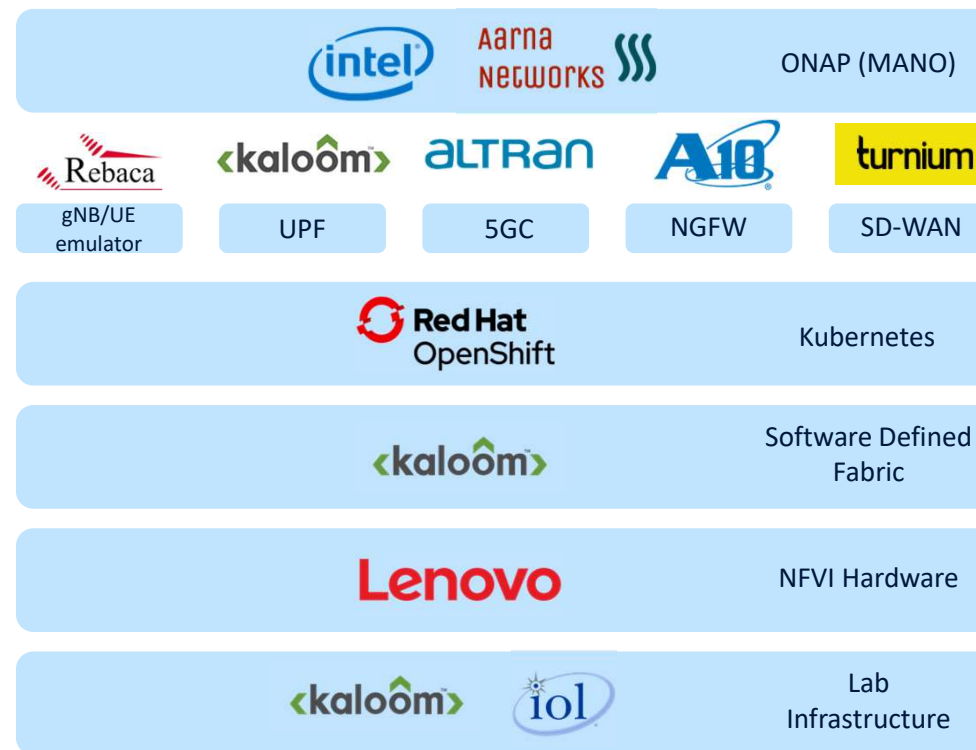
High Level Demo Topology



High Level Demo Architecture



Software and Hardware Stack





Start the Demo!

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What's Next?

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How to Get Involved



- Radio & RAN onboarding and orchestration & 5G Network slicing (Phase III): <https://wiki.opnfv.org/x/KIMIAw>
- Participate in the ONAP technical community: <https://wiki.onap.org/x/aoAP>
- Participate in other LFN projects to advance cloud native capabilities: <https://wiki.lfnetworking.org/>
- Join the CNNT Reference Architecture (RA2) Work: <https://wiki.lfnetworking.org/x/UwliAQ>
- Help define OVP CNF compliance and verification testing: <https://wiki.lfnetworking.org/x/agCDAQ>
- Engage with telecom networking requirements in K8s and CNCF networking projects: <https://www.cncf.io/community/telecom-user-group/>

Thank you Proof of Concept Partners!





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