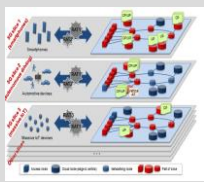


End-to-End 5G Orchestration



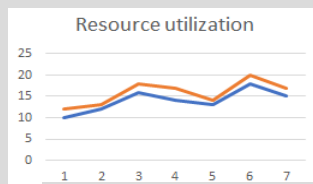
Multi-faceted, Multi-dimensioned, Versatile 5G Networks will need a powerful Orchestration platform for managing the network



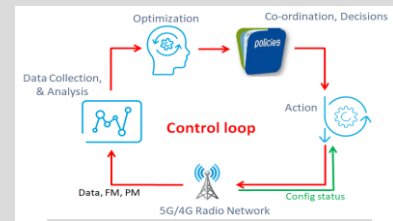
Network Slices



Fast action and response

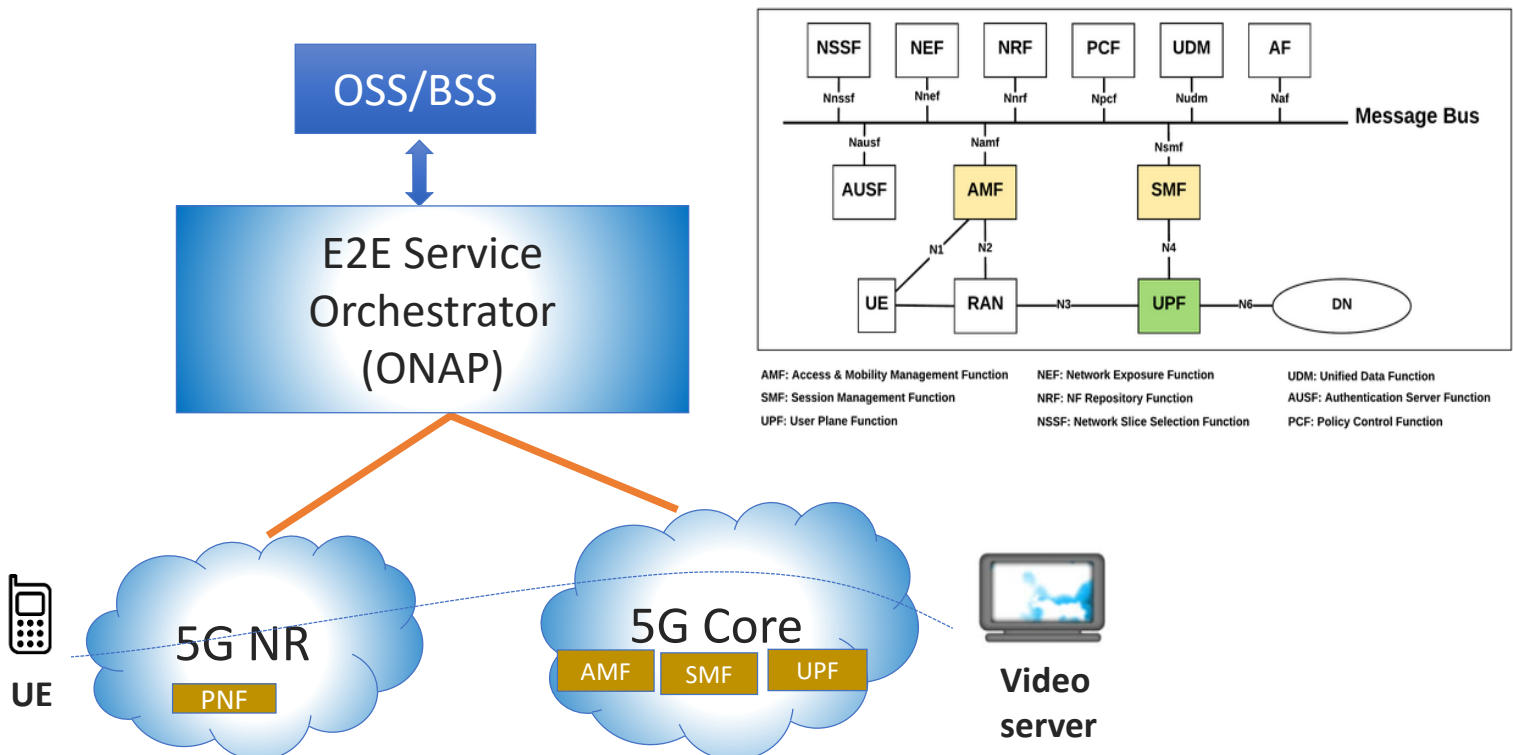


Optimized resource usage



Need for closed loop Control

Use case created in the 5G Test Bed to demonstrate Orchestration of E2E 5G RAN and Core services using ONAP



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Why ONAP as an Orchestrator for 5G Testbed

ONAP Capabilities

- Using SDN and NFV technologies
- E2E Life Cycle Management of 5G services
- Hybrid 5G Radio and Core Networks
- Edge and multi-cloud/VIM orchestration
- Real time analytics & Network Automation

Benefits of ONAP

5G Network Optimisation

- Model Driven
- Real Time Analysis
- Network Slicing

Scaling and Healing

- Closed loop
- Software Defined Control

Policy-based Control and Analytics

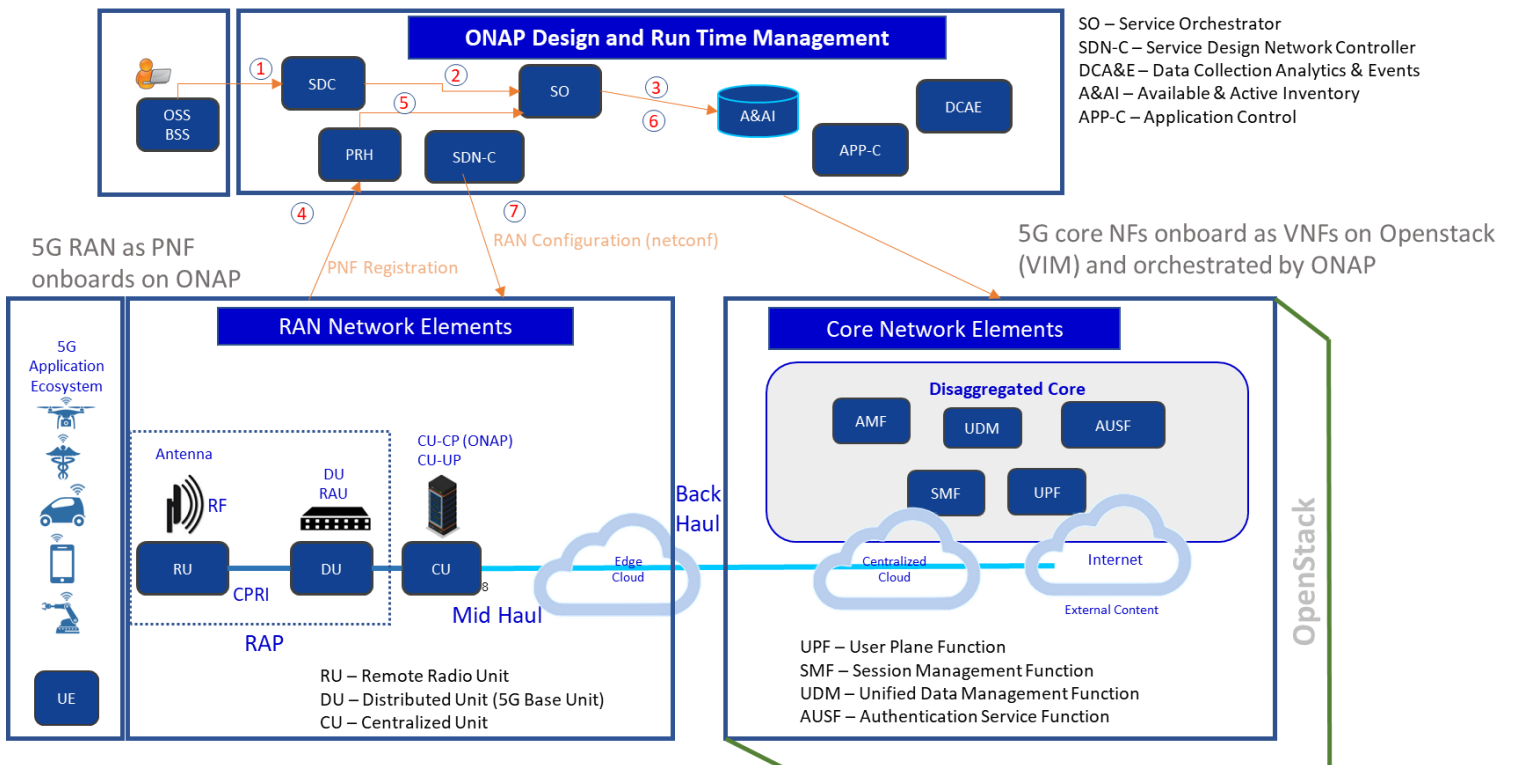
- Closed loop analysis
- AI/ML based algorithms

End User Experience

- Enhanced user experience
- Full automation

The open source ONAP distribution is being enhanced to support 5G testbed use cases

Functional Architecture



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