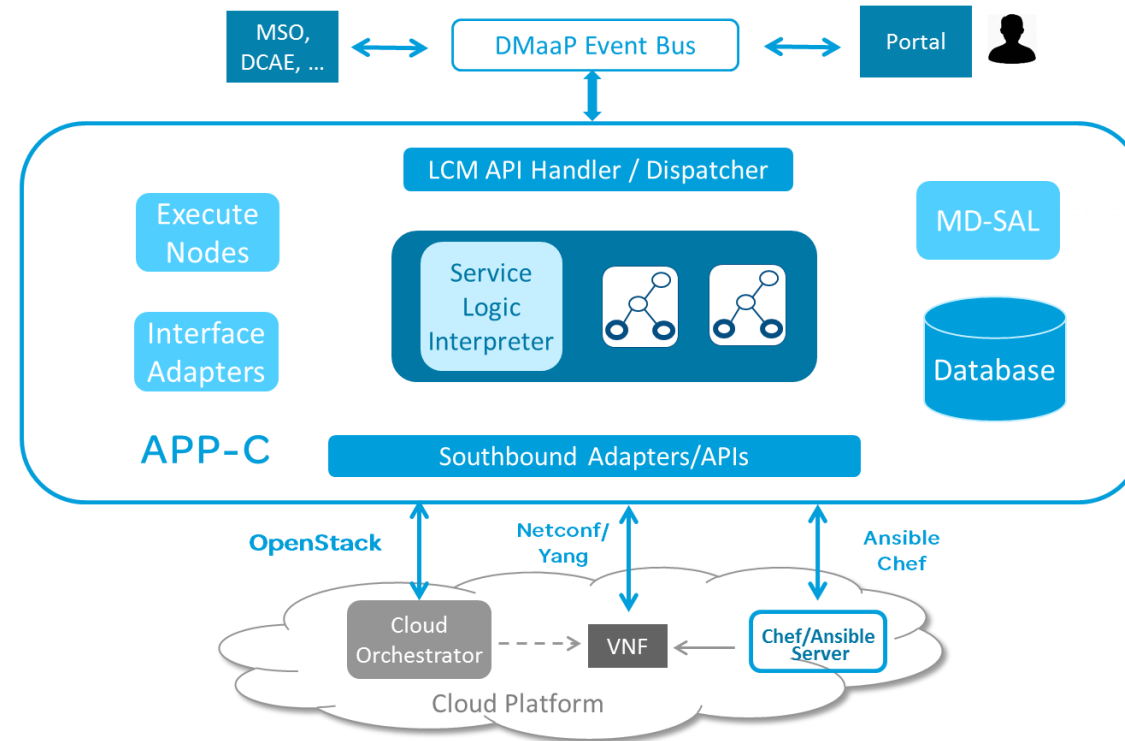


# APPC Frankfurt Arch

January 7, 2020

# APPC Architecture – since R1

## APP-C – Architecture



6

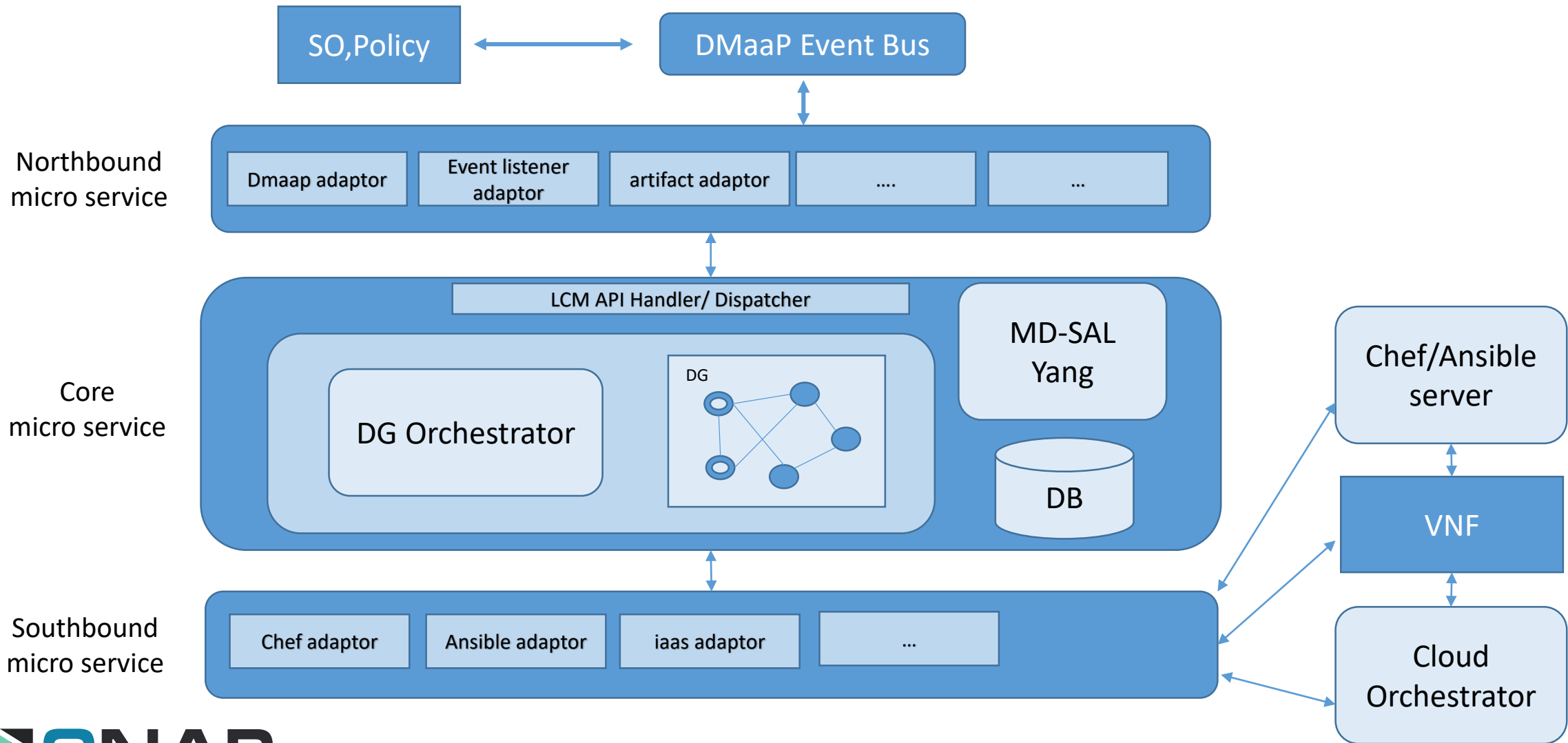
# Issues in current architecture

- 476 bundles in karaf
  - Less performance
  - Complexity of Java artefact dependencies
  - Hard to upgrade ODL version
  - Hard to manage bundles
  - APPC container is big

# APPC Architecture Evolution

- Backward compatibility
- Remove non-core appc functionality out of ODL/Karaf
  - Remove bundles that don't depend on ODL functionality out of Karaf and into microservices
- Restful API call between services
  - Utilize SvcLogicContext, artifact formed as a json format via API call
- Modularity and backward compatibility
  - ODL versions can easily be updated

# APPC Architecture Evolution – R5 and beyond



# R6 APPC Planning

- ODL upgrade to Neon SR1 (AT&T, Aarenetworks)
- Several new LCM APIs. (AT&T)
- CDS adaptor (AT&T, Aarenetworks, Huawei India)
- Scaling use case (Nokia Shanghai)
- Change Management use case (Orange)

# R6 APPC JIRAs

- APPC-1778 - develop new LCMs to support pre/post actions:
  - LicenseManagement, PreConfigure, GetConfig, PostRebuild, PreRebuild, PreEvacuate, PostEvacuate, PreMigrate, PostMigrate, Provisioning, StartTraffic, StatusTraffic, StopTraffic
  - Documentation: <https://gerrit.onap.org/r/c/appc/+99744>
- APPC-1744: move dmaap adapter out of ODL
- APPC-1729: VNFC support for Ansible protocol
- APPC-1732: ODL upgrade to Neon SR1
- APPC-1734: EPIC: CDS DG Orchestrator
- APPC-1733: Scaling use case support ( New LCM: ConfigScaleIn)

# CDS Parameter Resolution

