A Telco PaaS Functionality for Local O&M on Edge

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• For private 5GC deployed on Edge, it usually requires real-time, open, light-weight, and flexible OMC (operation maintenance center), which supports functional and interface requirements of Telco Operator’s OSS systems, as well as provide local OMC capabilities for Vertical Customers for their customized O&M requirements.

• The mature of edge would involve more vendors besides giant vendors, for whom a platform providing flexible O&M capability can relief the developers from paying too much effort on diverse management requirements.
1. Using CIM-agent to replace internal OAM module of NF, and provide interface/SDK for NF development.

2. Standard interface + gRPC protocol can help to shield the difference of backend software and protocol.

3. Support to integrate different software to provide similar functionality to NF.

4. CIM-adapter provides flexible northbound interface adaptation to connect with different management systems with different requirements.