

Open Source MANO

Tata Elxsi TEOSM
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Tata Elxsi Orchestration and Automation

1

- 6 Installation of TEOSM
- One instance manning two DC, rest manning individual DCs



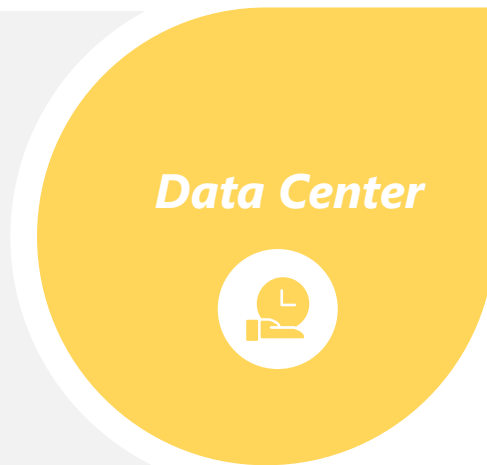
2

- 25 million users
- 36 servers per DC
- 110 VNFs / CNFs



4

- 10 Data centers
- EPC QA, RAN QA, SIT, Pre-Prod, Prod, two trial sites



3

- Pan India rollout
- 100 million plus users in 2022



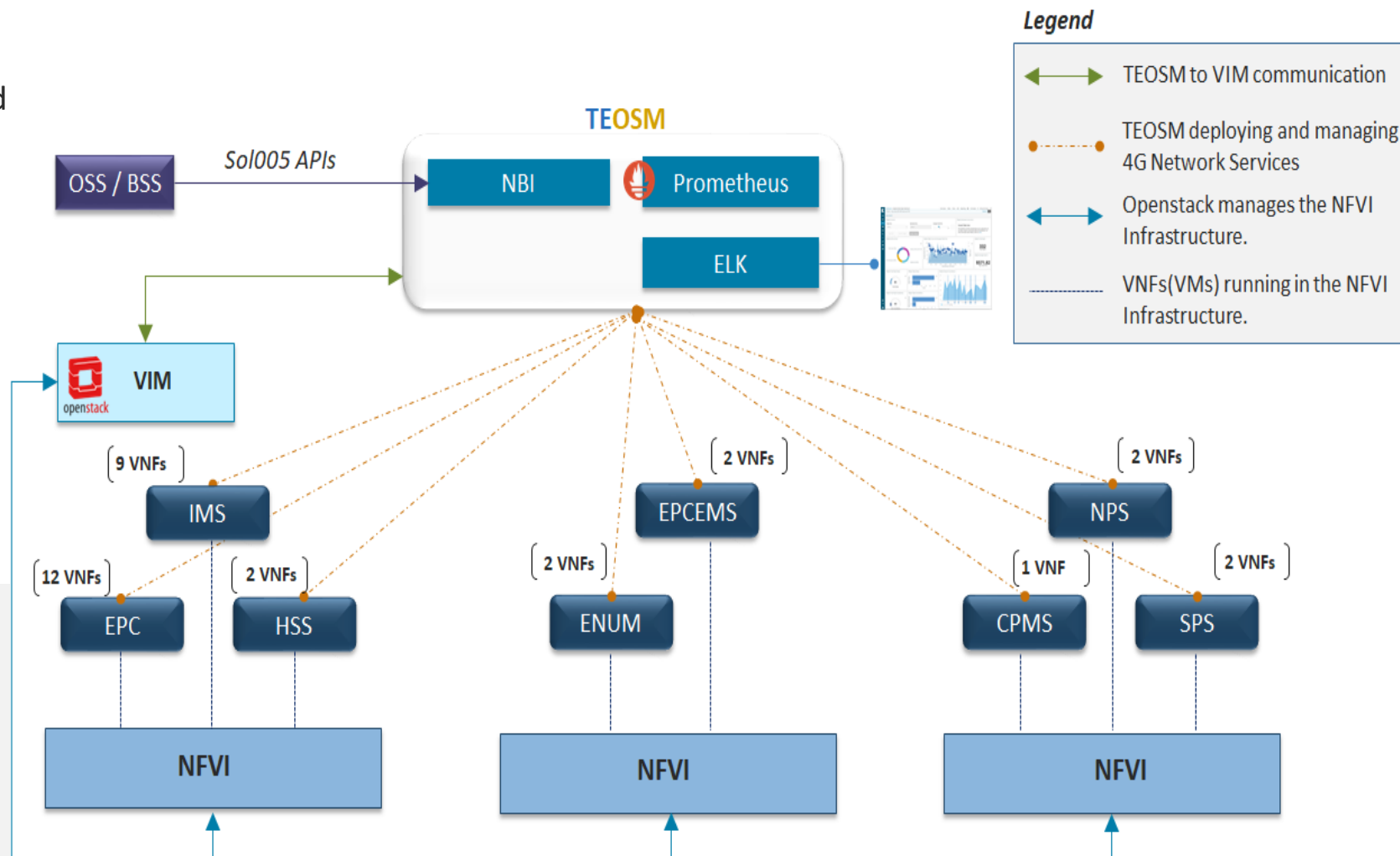
4G / 5G network Orchestration by TEOSM

- ❑ Virtualized 4G Network orchestration and automation (Core and IMS) with seamless transformation to 5G
- VIM creation and allocation of resources
- Lifecycle Management (LCM) of VNFs and NSs – on boarding, instantiation and termination
- Day 0, 1 and 2 operations
- Monitor Infra & VNF application metrics
- Dynamic Scaling
- Healing of services
- ❑ Support for Geo Redundancy

Components getting Orchestrated:

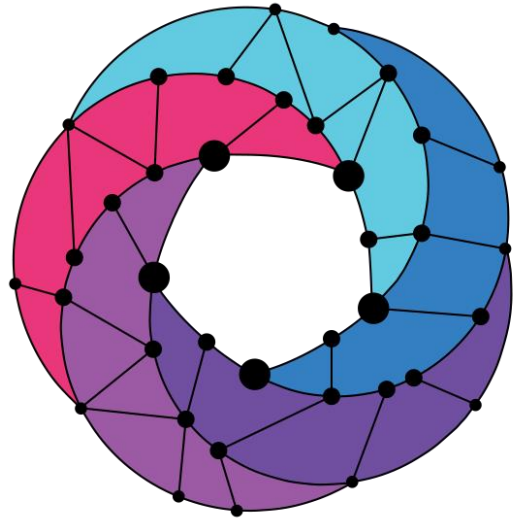
- EPC - (MME, SGW, PGW, PCRF, HSS)
- IMS - (PCSCF, DRA, SCSCF, MRF, CDF, TAS, INAS, IP-SMGW, IBCF, ICSCF)
- SPS, NPS, USPS, ENUM, CPMS, NPDB, MGCG, CFW, LIS
- CDOT EPCEMS
- CPMS (containerized)

- TEOSM deployed in multi tier Highly Available configuration (service, node, cluster and server level)



Next Steps

- Migration to Release 10 / 11
- Contribution of changes made on Release 8
- Focus on strengthening Kubernetes support in OSM



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Thank you