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Next Generation PaaS and CORD Cloud-Native Telco services

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What is NGPaaS ?

- Today's PaaS offerings are tailored to the needs of web and mobile applications developers, and involve a rigid stack of components and features.

- The vision of the Next Generation Platform-as-a-Service (NGPaaS) project is to enable "Build-to-order" customized PaaSs, tailored to the needs of different use cases with telco-grade 5G characteristics.

- NGPaaS provides this "Build-to-order" functionality by abstracting components of the PaaS (e.g. the SDNC) into Reusable Functional Blocks (RFBs). The RFBs are then used by an editor (RDCL-3D tool) which composes platform and service graphs. These graphs are then passed down to an RDCL Agent, which is responsible for deploying them.
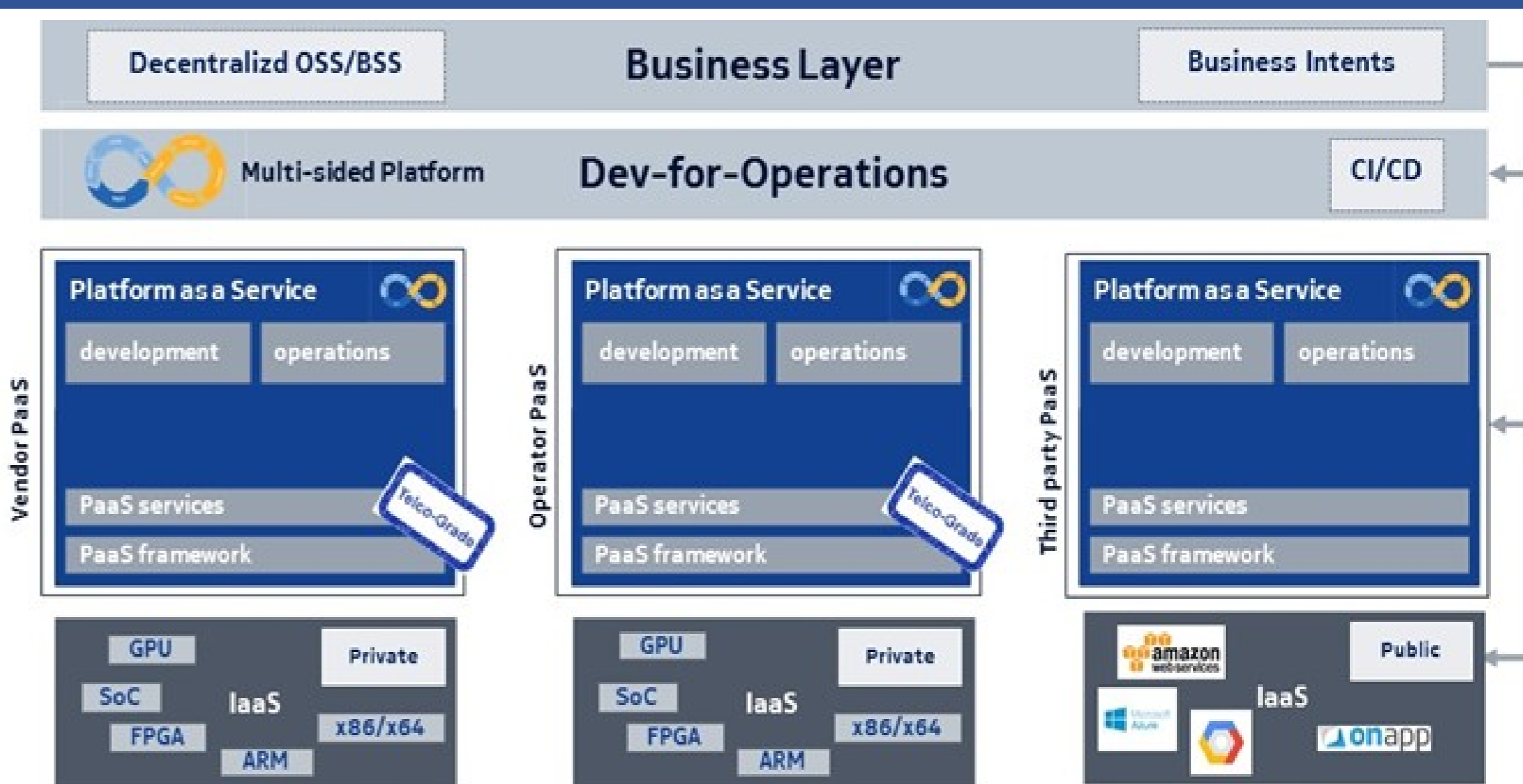
Telco PaaS Demo Overview

- The Demo will focus on Service deployment

  1. The **platform** (CORD) is already deployed.

  2. The **RDCL-3D** tool will be used to define RFBs and combine them into service graphs.

  3. One **Monitoring Probe** attached to the *Monitoring* network

  4. One **Firewall**, attached to the *Data* network

  5. One **Router** attached to both the *Data* and *Monitoring* networks

  6. The **RDCL Agent** will run to show live deployment on CORD via RDCL-3D

  7. VNF deployment verified through XOS

  8. Monitoring of the Router verified through Kibana
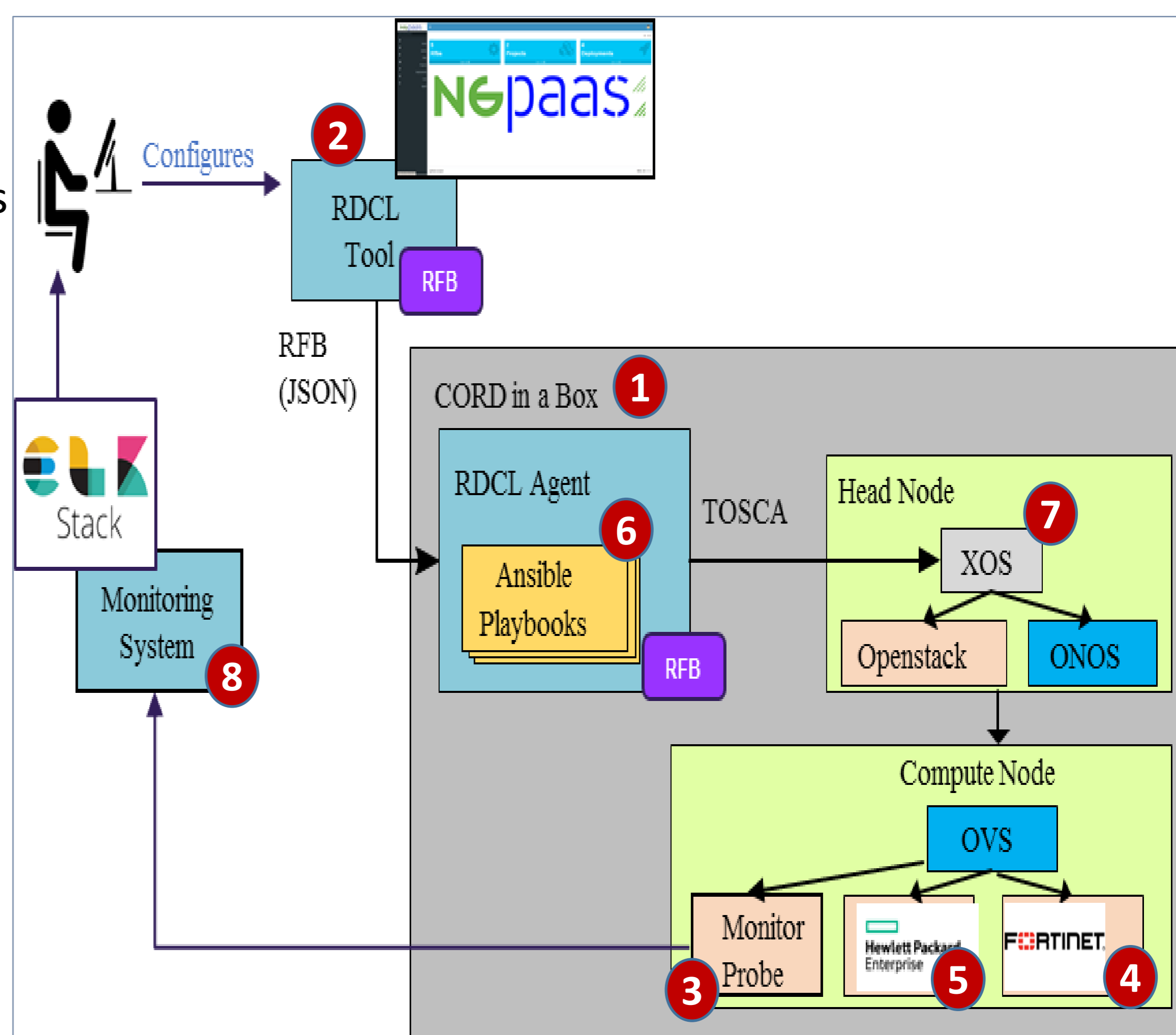
Current and next steps

- Deploy CORD platform through the RDCL-3D tool.

- Integrate a network policy framework into Telco PaaS

- Migrate to CORD 6.0

- Enhance monitoring capabilities with Alerting, Profiling and Healing.

Project Info

Timeline	1.6.2017 – 31.05.2019
Website	http://ngpaas.eu/
Twitter	https://twitter.com/NGPaaS_5GPPP
YouTube	https://www.youtube.com/channel/UCqlGeERucSED252rfUj8W6A
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