Next Generation PaaS and CORD Cloud-Native Telco services

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Next Generation PaaS and CORD
Cloud-Native Telco services

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/](http://ngpaas.eu/) |
| Twitter | [https://twitter.com/NGPaaS_5GPPP](https://twitter.com/NGPaaS_5GPPP) |
| YouTube | [https://www.youtube.com/channel/UCqlGeERucSED252rfUj8W6A](https://www.youtube.com/channel/UCqlGeERucSED252rfUj8W6A) |
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