One-click 5G Core with OSM

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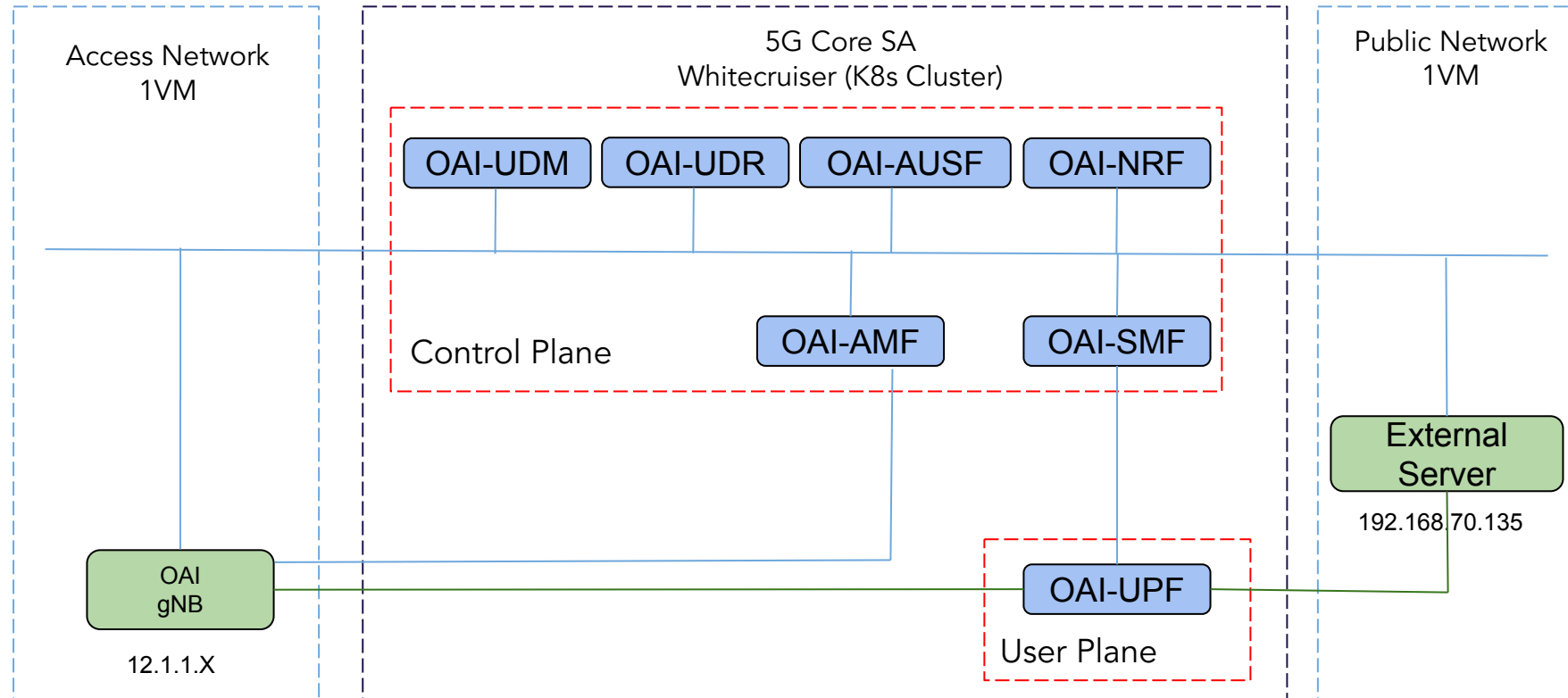# Agenda

In this demo we're going to see:

- Introduction about OAI/Whitestack
- Demo architecture
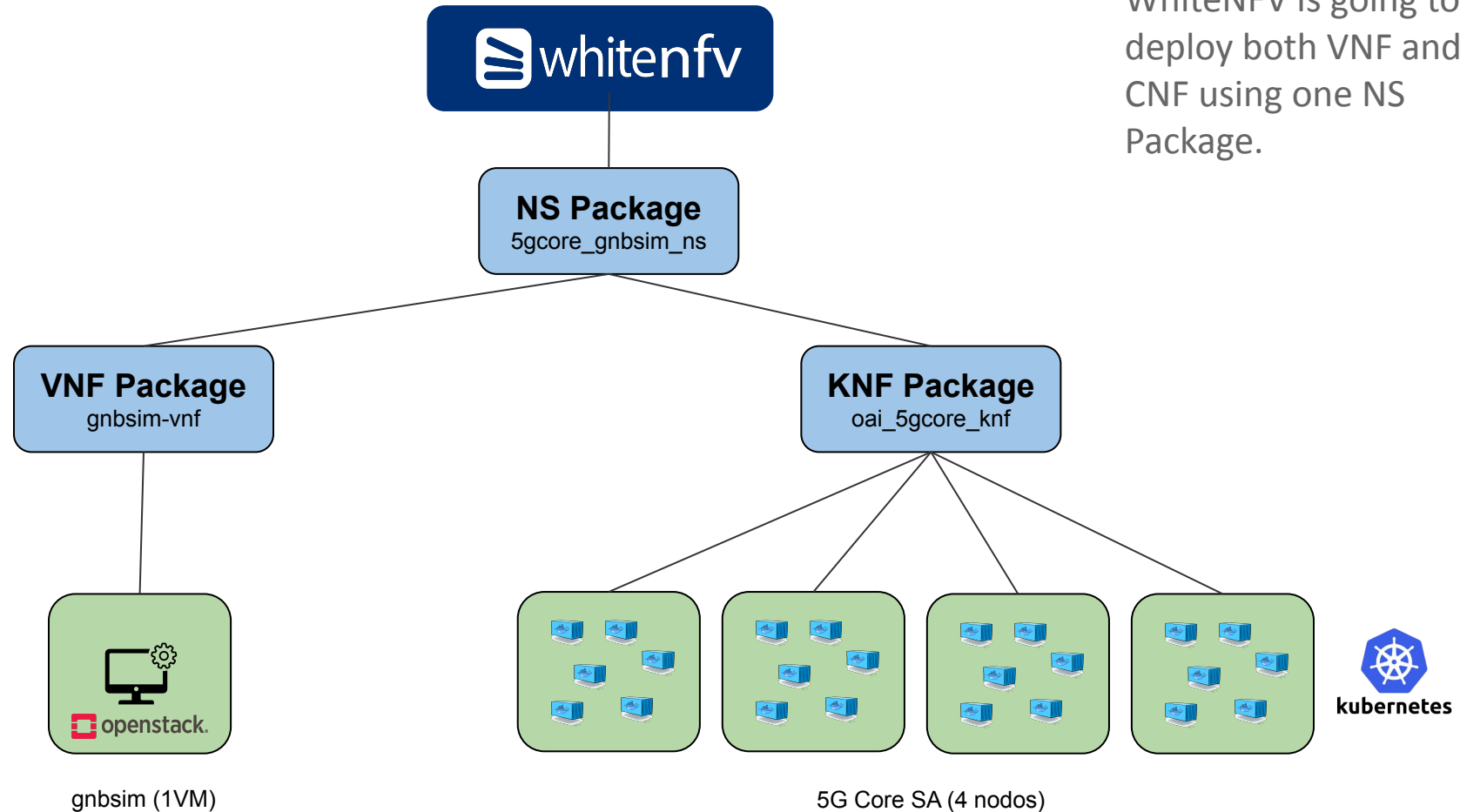- Demo
- Next steps

Introduction

- Whitestack detected MNOs need to have non-proprietary 5G SA Core and RAN solutions for different use cases
- Whitestack was looking for a 3GPP compliant open-source 5G Core to start testing and develop a product in a near future
- OAI has several years of experience working with wireless cellular Radio Access Network (RAN) and Core Network (CN) technologies.
- OAI has an active community working on delivering new functionalities all the time (e.g. Open RAN, network slicing, etc)
- Whitestack has had good experiences working with OAI in the past over multivendor NFV environments, so there is high confidence on the joint capabilities to take these solutions to production networks.

Demo Architecture

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WhiteNFV is going to deploy both VNF and CNF using one NS Package.

NS Package
5gcore_gnbsim_ns

VNF Package
gnbsim-vnf

KNF Package
oai_5gcore_knf

gnbsim (1VM)

5G Core SA (4 nodos)

kubernetes

Demo

Next steps

- Deploy an extra UPF in the edge integrated to the core using OSM.
- Deploy additional testers using OSM.
- Include PNFs like FW or CgNAT to provide access to internet.
- Enrich the descriptors to have something similar to magma, using new features available in OSM.

Thank you!