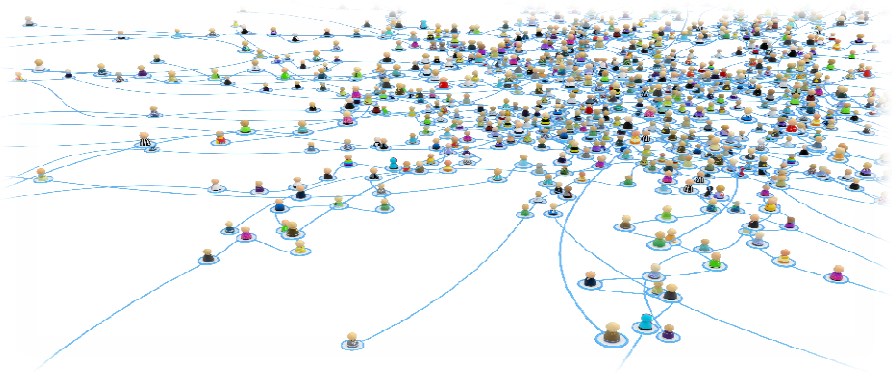


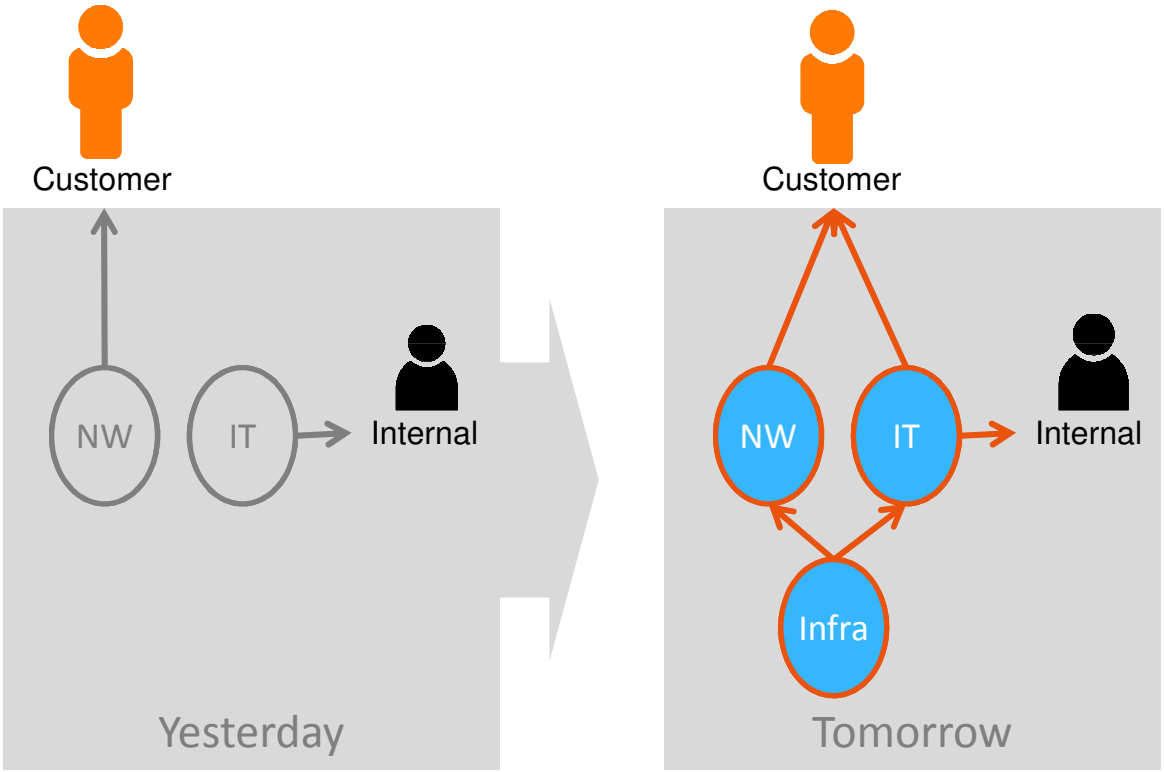
DevOps in Service chains and 5G network slices.

Mats Eriksson

Telco Cloud Forum

April 2016

Two trends for operators.



1. **Generic Infra** pooled in DCs – SW Defined NW
2. **IT** becomes increasing part of **delivery to Customers**

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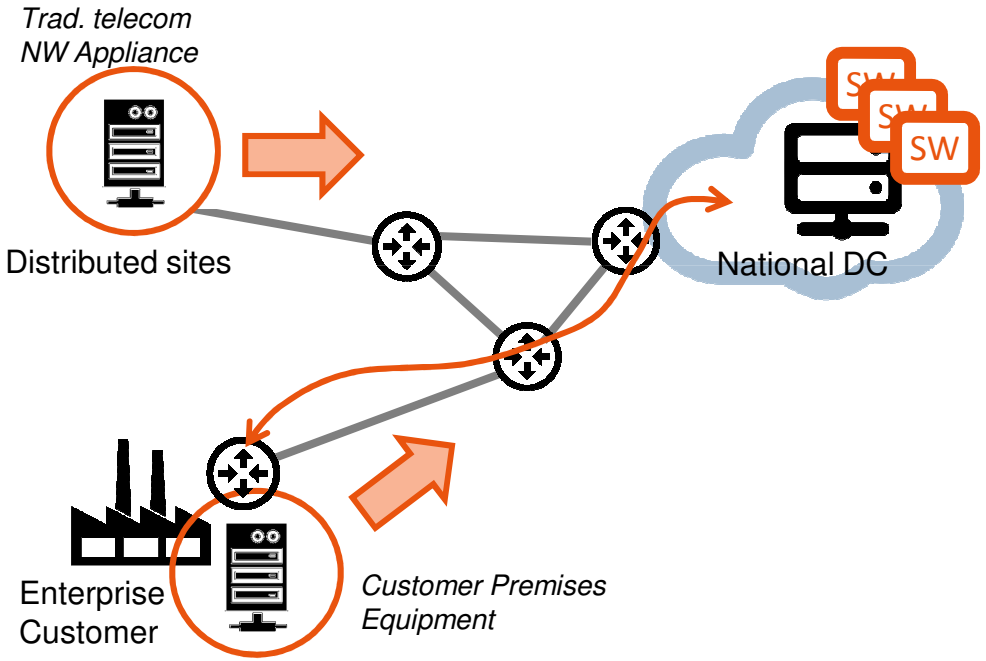
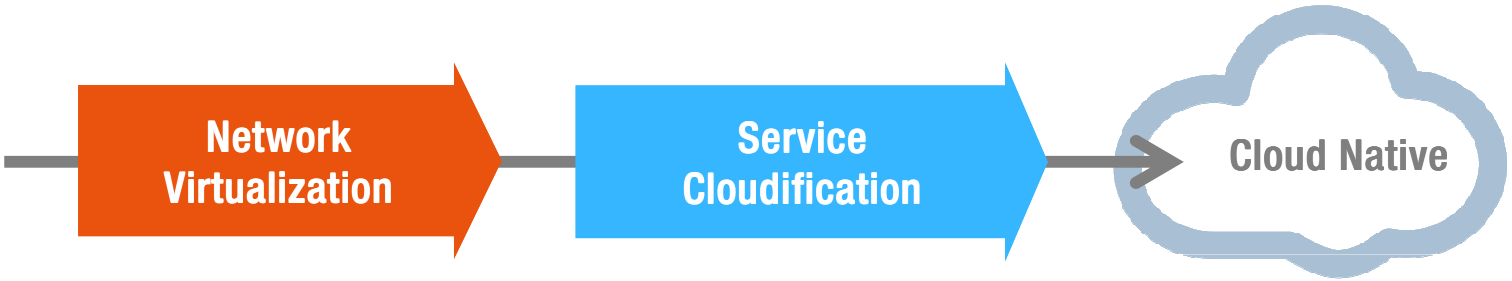
When Networks go SW.



- **Virtualize** – turn network boxes into SW. Open up new vendor eco-systems
- **Consolidate** – centralize to DC and cut Capex /Opex. Enable scalability
- **Soft control** of connectivity & capacity in Network

Towards Cloud Native.

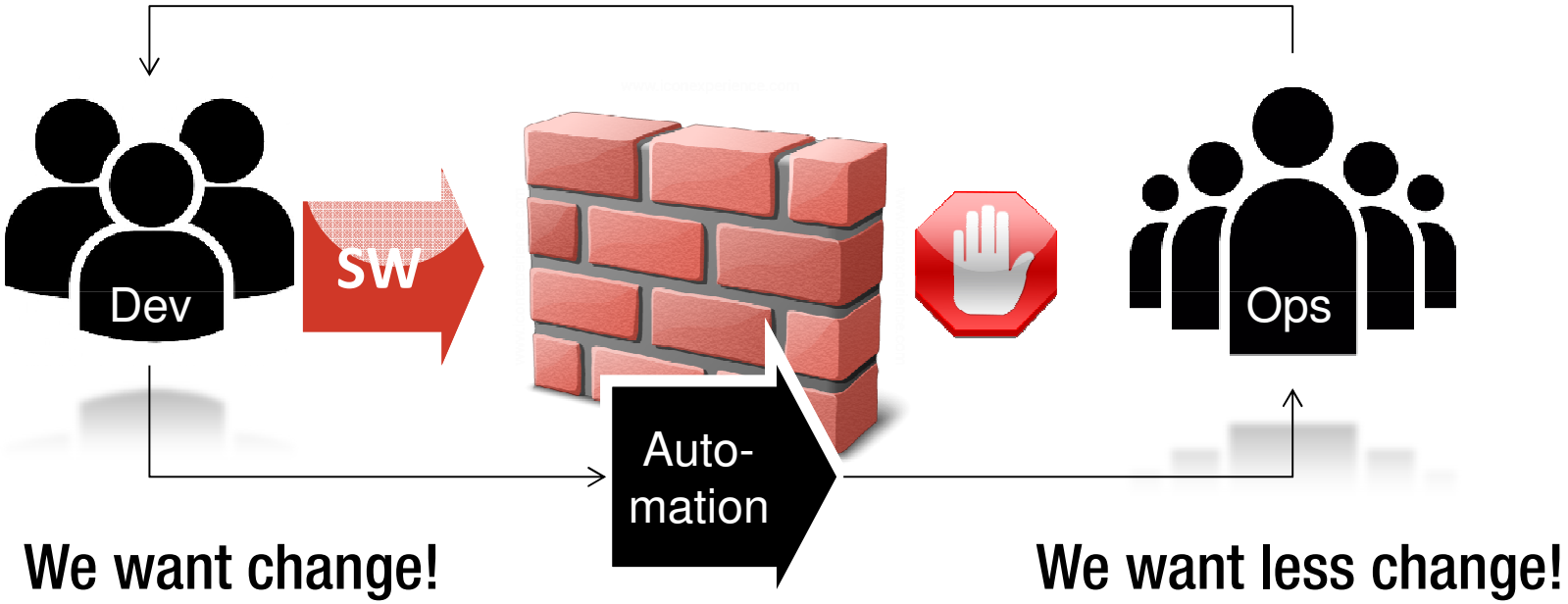


- **Consolidate** infra into DC
- NW & IT Applications on **COTS infra**
- **Centralize** NW & IT operations

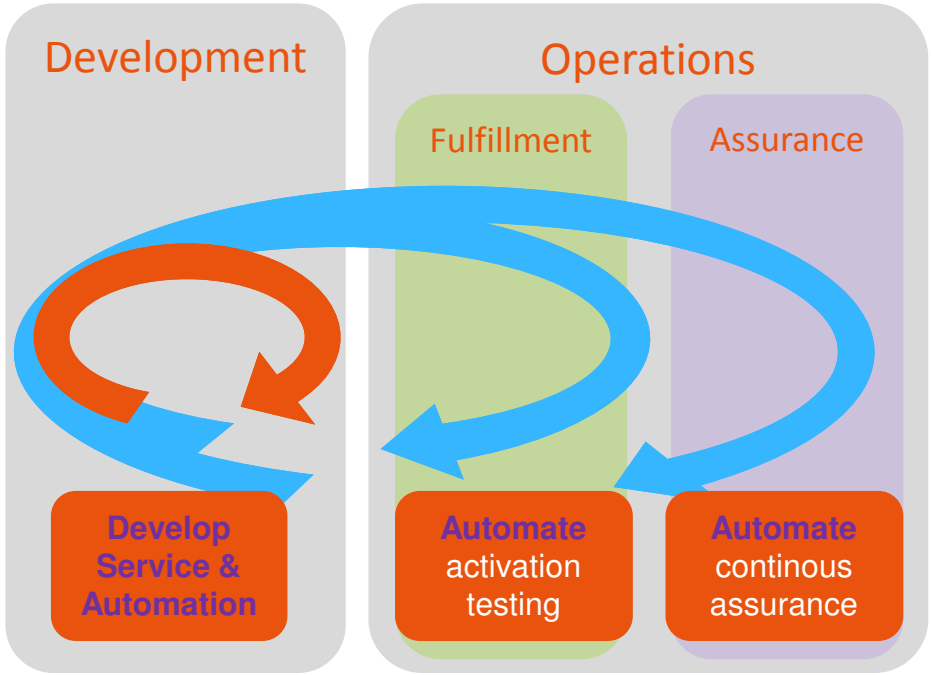
- Address **new business**
- **New delivery** models
- **Service agility** through DevOps & Eco-system

- Cloud-scale **economics**
- **SW oriented**
- Operational efficiency through **massive automation**

The problem of Agility.



Test in DevOps Context.



- Automate **turn-up testing** of Services as part of **delivery** process
- Automate **continous testing** during the life-time of the Service
- **Automation** needs to be considered at development-time

PoC participants.

Service Provider

telenor

Open Source

Open Source MANO

Vendors

intel

netrounds

RIFT.io™

System Integration

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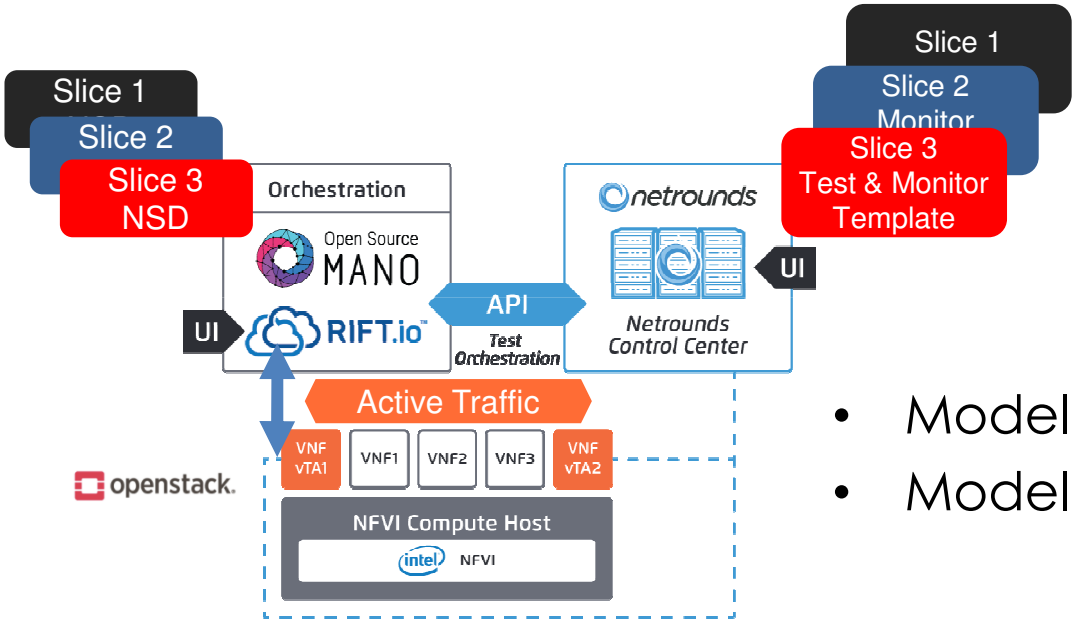
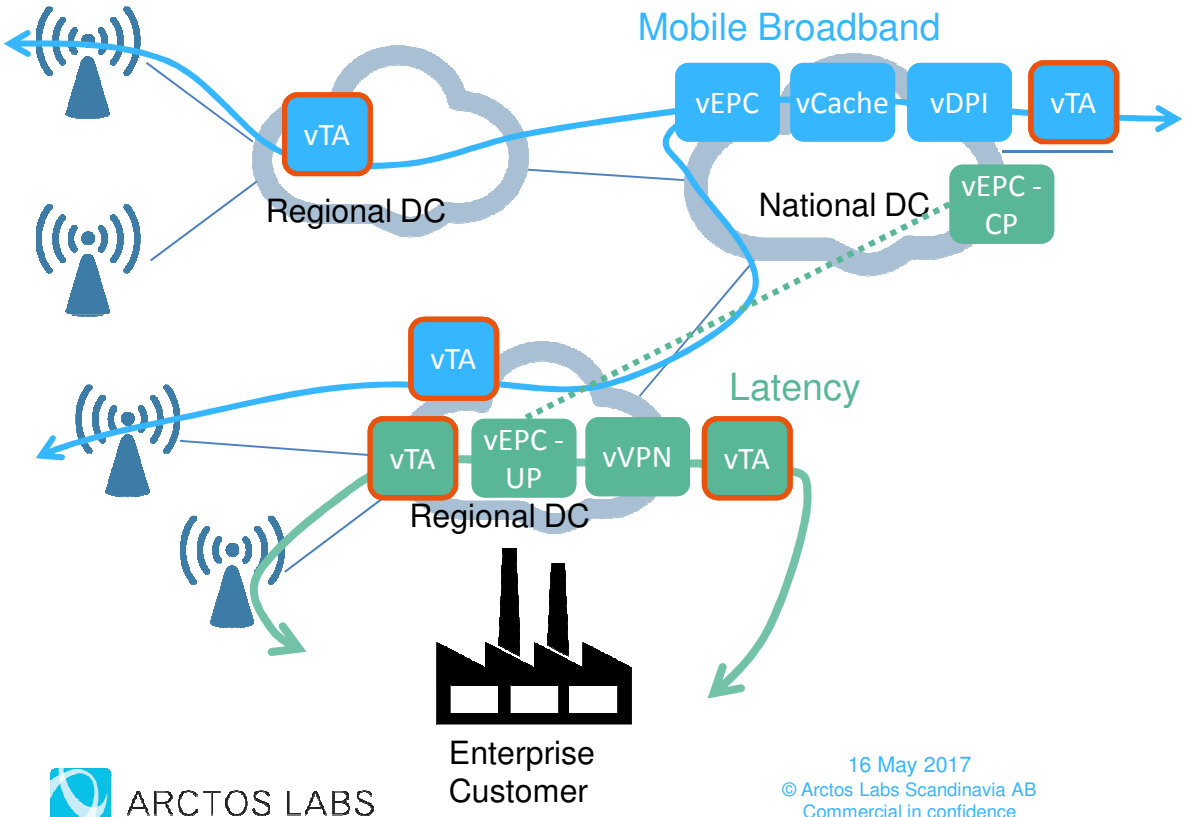
PoC Setup.



- Model driven orchestration
- Model driven KPI test

Outlining PoC Scenarios.



- Different slices have **different E2E KPI**
- Different slices are **deployed differently**
- Need for a **programmable test** solution that can be **dynamically deployed** in the network

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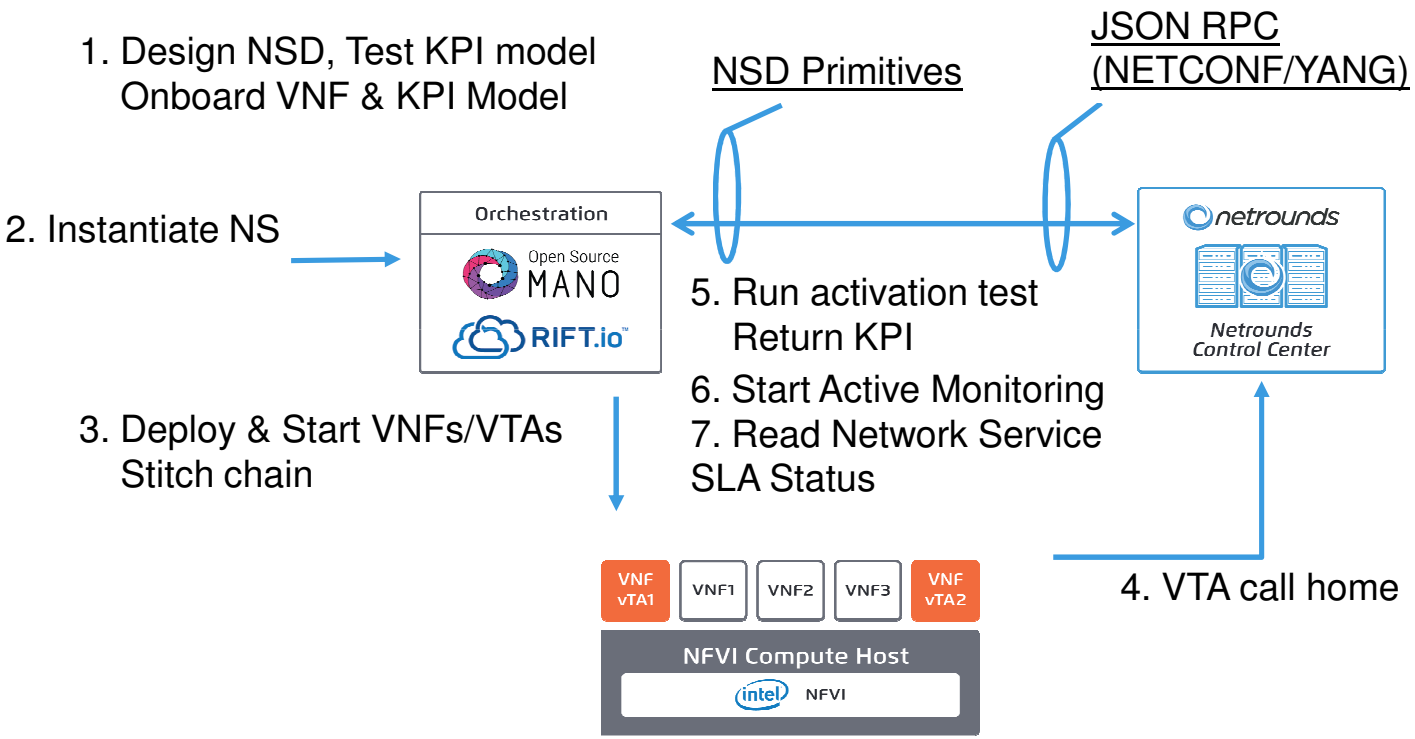
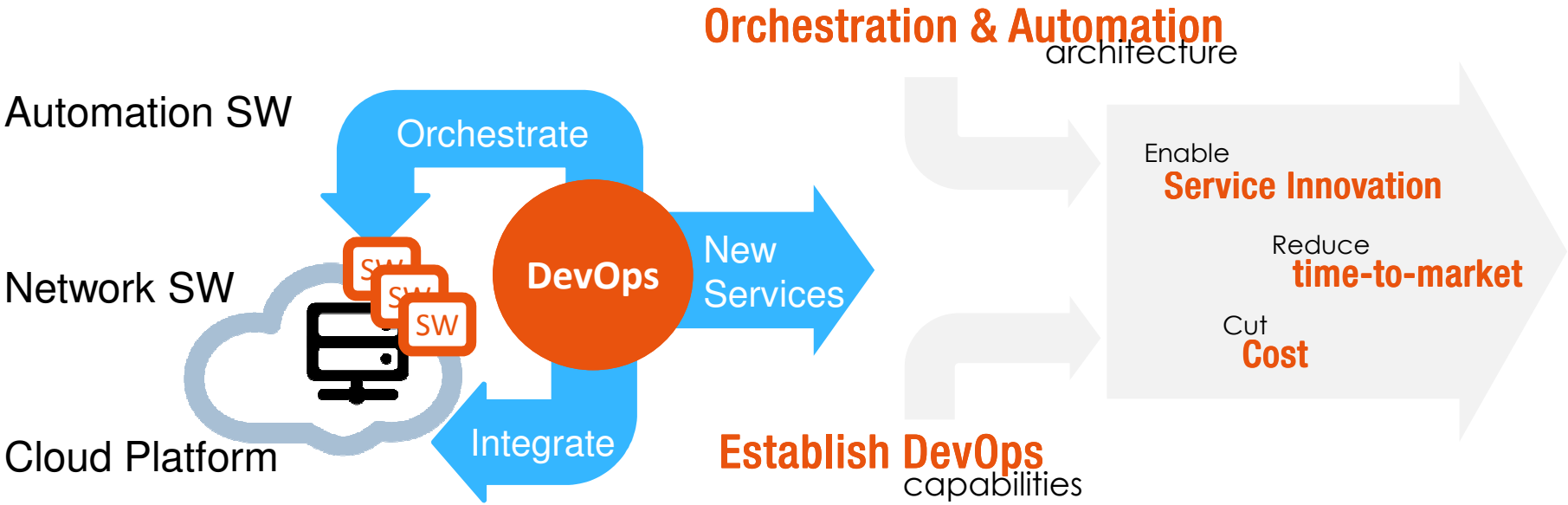
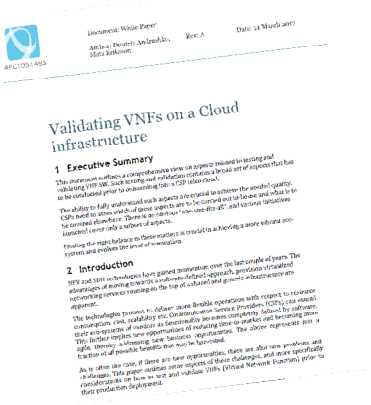
Automation Flow.



Conclusion.





Validating VNFs on a Cloud infrastructure

1 Executive Summary

2 Introduction

Thank you!

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