Open Source in Networking

Open Source in Network Automation

15-6-2018

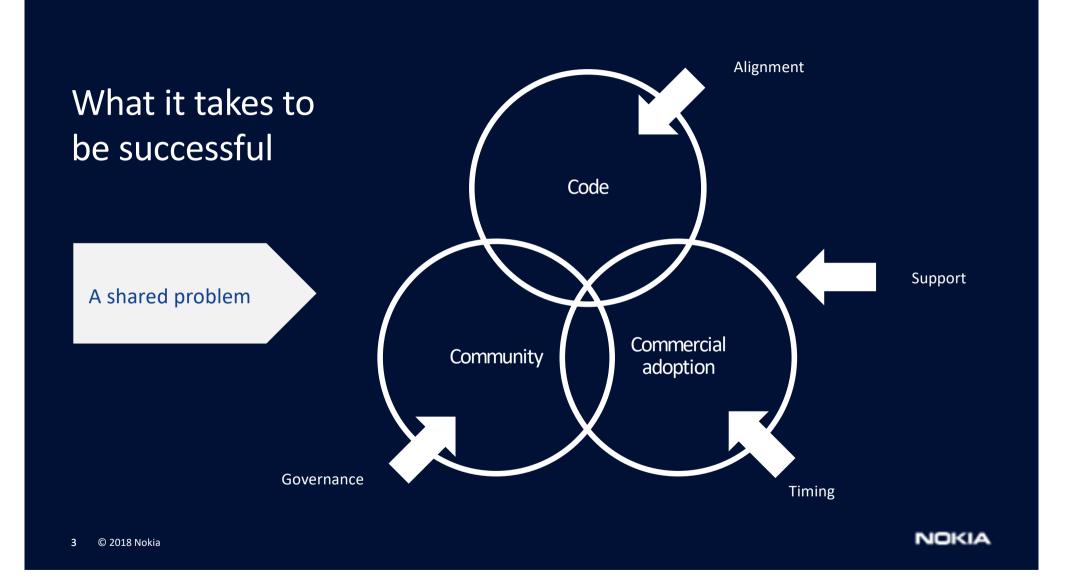
Open source as a CSP Industry Accelerator

Open source is rapidly expanding the potential for successful innovation in the telecommunications industry."

Source: IDC



NOKIA



Shared innovation, shared investment

So you can continue to work on your own business model while reaping the shared benefits of open source.

A successful open source project requires funding and investment, similarly to proprietary software development.

New technologies are often developed leveraging open source. Diverting an old product to open source is more challenging.



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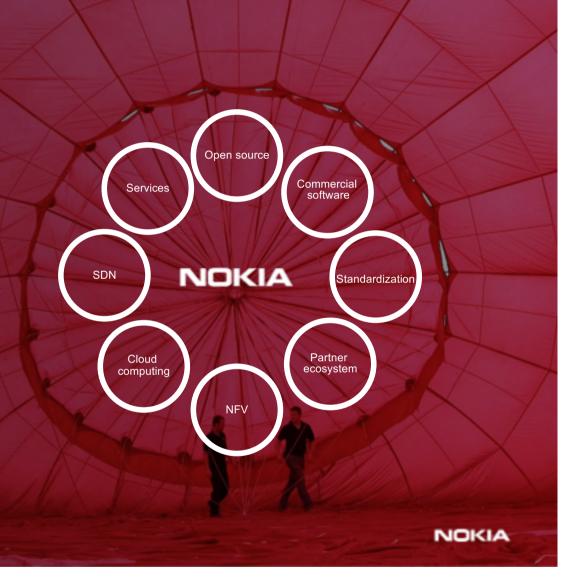
More really is more

In cloud technology, open source is an essential component.

Open source is also relevant in the transition towards cloud native applications and an enabler for DevOps.

Open source standardizes implementations, standards define interfaces and ensure compatibility between implementations.

Today, Nokia is applying these principles to the cloud.



Linux Foundation Networking LF home for networking projects

LF Networking

- Initiated in the beginning of 2018
- Umbrella for networking projects in LF
- Five initial projects: ONAP, OPNFV, Open Daylight, Pnda and SNAS

Broad industry support

- Represents ~65% of global subscribers through its operator members
- All major network vendors
- >100 members: 27 Platinum
- Nokia is a founding platinum member







https://www.lfnetworking.org/

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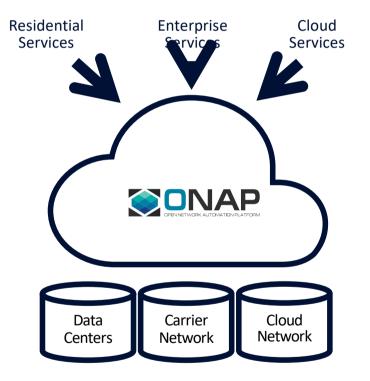
ONAP

- Complete framework for network automation
- Modular, model-driven approach for different usecases and operators
- Industry harmonization through strong support from main industry players

Providing a platform for the industry

- Framework for product creation
- Versatile for different operators and technologies
- Designed to manage cloud native applications
- Built with proven CI/CD methodology





https://www.onap.org/



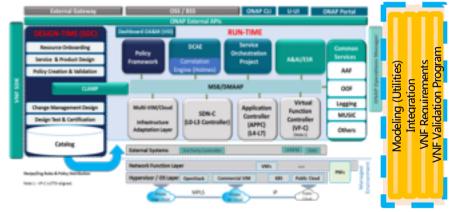
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ONAP Architecture



https://www.onap.org/



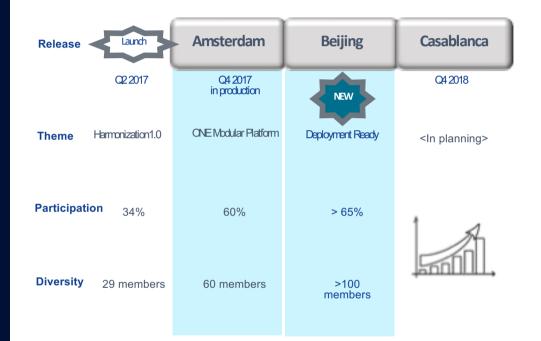
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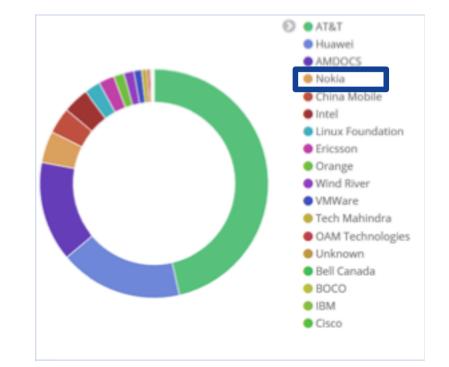
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Open source is the new R&D model Augmenting company software development

Shared R&D will increase

Contribution to and usage of open source will increase

Part of development

Software collaboration will be part of the normal R&D process

Differentiation continues

Commercial innovation complements open source Opening up innovation with open source

TTX

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