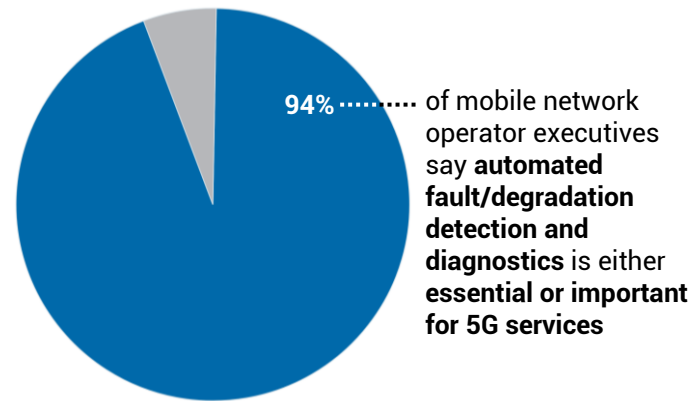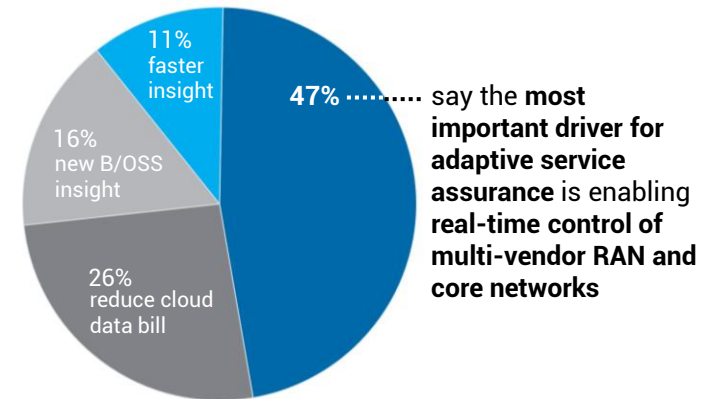# Automated assurance adapts to dynamic network conditions

Digital leadership summit survey results

Participant insights from March, 2021 TM Forum online event sponsored by EXFO with panelists from Airtel, AT&T Labs and Charlotte Patrick Consult

5G requires automated fault detection…

94% ········ of mobile network operator executives say **automated fault/degradation detection and diagnostics** is either **essential or important for 5G services**

…and adaptive service assurance

- 11% faster insight
- 16% new B/OSS insight
- 26% reduce cloud data bill

47% ········ say the **most important driver for adaptive service assurance** is enabling **real-time control of multi-vendor RAN and core networks**

**Event participants also shared their insights about:**

- orchestrating 4G and 5G networks and services in a unified manner
- detecting and predicting customer-impacting events

▼ **keep reading**

Orchestrated service assurance will be common for 4G *and* 5G

## Unified orchestration and assurance: easier said than done

While an integrated framework is essential…

12%
separate
domains[1]

18%
separate
orchestration[2]
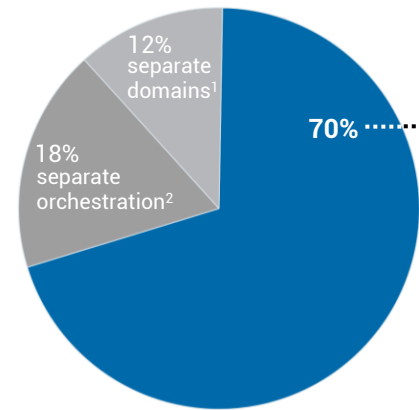
70% ·········· of mobile network operator executives say they plan to **orchestrate and assure 4G and 5G networks and services** using **a common framework**

[1] orchestrate and assure 4G and 5G as separate domains

[2] common service assurance; separate orchestration for 4G & 5G

…deploying it is a top challenge.

12%
big data
delays[1]

18%
real-time
analytics[2]

23%
real-time
qoE[3]
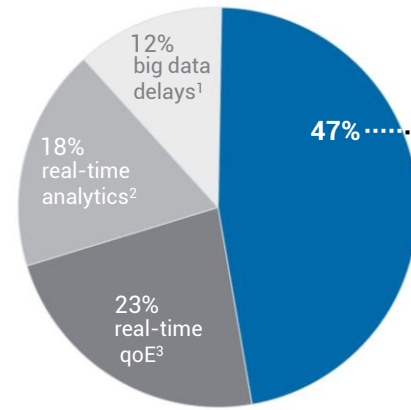
47% ·········· say deploying an **integrated orchestration / automation framework** is their biggest **obstacle to real-time, 5G network automation and orchestration**
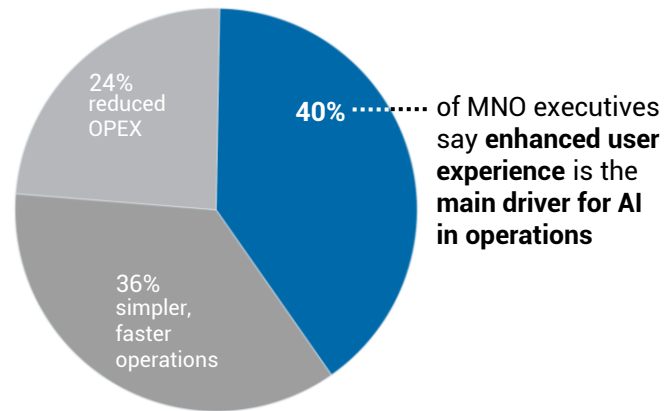
[1] big data delays for fast analytics

[2] real-time network data analytics function (NWDAF)

[3] real-time network, service and QoE visibility

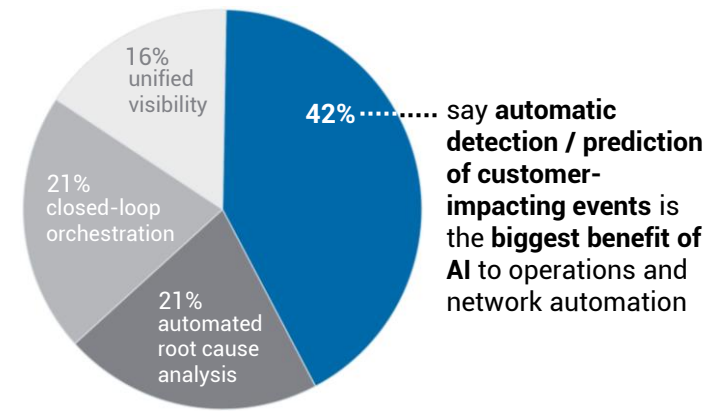# A better user experience starts with QoE visibility and AI-driven analytics

EXFO.com

AI for full control over 5G user experience

Drivers…

- 24% reduced OPEX
- 40% .... of MNO executives say **enhanced user experience** is the **main driver for AI in operations**
- 36% simpler, faster operations

…and benefits

- 16% unified visibility
- 21% closed-loop orchestration
- 42% .... say **automatic detection / prediction of customer-impacting events** is the **biggest benefit of AI** to operations and network automation
- 21% automated root cause analysis

Explore the role of AI and analytics as drivers of 5G revenue to deliver a game-changing user experience.

[ ] Watch webinar