

ACTIVE DATA: DYNAMIC ASSURANCE

Deploying active, automated testing and monitoring solutions that produce real time, targeted KPI data will allow operators to assure end user experiences as they take NFV live.

1 Operators say that dynamic SLA management and service assurance is key to getting NFV operational

Over 100 network operators and service providers worldwide participated in Heavy Reading's NFV Service Assurance and Analytics research study*. They rated the following as the top five 'Massive' or 'Significant' challenges to operationalise NFV.

How do we run NFV with existing networks and services? How do we assure on-demand services? And how do we offer dynamic customer SLAs? Without these answers, service providers cannot commercialise services and make the business case for moving to NFV and cloud networks.

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59%



Assuring end-to-end performance of multi-vendor VNFs

58%



Offering dynamic SLAs

57%



Integration/API issues between OSS and MANO

54%



Handling volume of data from VNFs in real time

52%

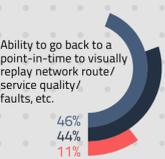
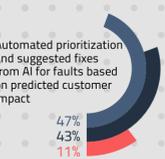


Assuring hybrid networks in common platform

*NFV Assurance and Analytics Survey, Heavy Reading (September 2017). A research survey, including in-depth interviews, of 105 service providers.

2 So what do operators want from assurance? Here's how they rate the value of service assurance solutions as they begin utilizing multi-vendor VNFs and running new services across hybrid NFV and legacy networks.

■ High value ■ Medium value ■ Low value



For customer-centric service assurance, service providers need to visualise their end-to-end services, be able to prioritise issues and avoid faults that impact customers, and reduce meaningless data overload.

3. The question is, how can they do all that?

One answer is to improve intelligence and visibility with high quality data. This is achieved with an active testing and monitoring solution that:

Operators should adopt new data sources that can measure actual delivered service quality in real time and from the customer perspective – "small data" that can directly provide CSPs with relevant service KPIs.



Is software based



Monitors specific SLA KPIs in real time



Simultaneously tests and monitors across network layers



Can be automated and has programmable APIs to integrate MANO and OSS



Is flexible and can cover all domains - physical, hybrid and virtual

4 To find out how active, automated and real-time testing and monitoring can enable dynamic service assurance, download the Netronds white paper: Service Assurance - In Need Of Big Or Small Data

DOWNLOAD THE WHITE PAPER