



# Heavy Reading Telco Survey Results

Roz Roseboro  
Principal Analyst, Heavy Reading

April 2019

[www.heavyreading.com](http://www.heavyreading.com)

## Quick note on project background

Conducted  
November 2018

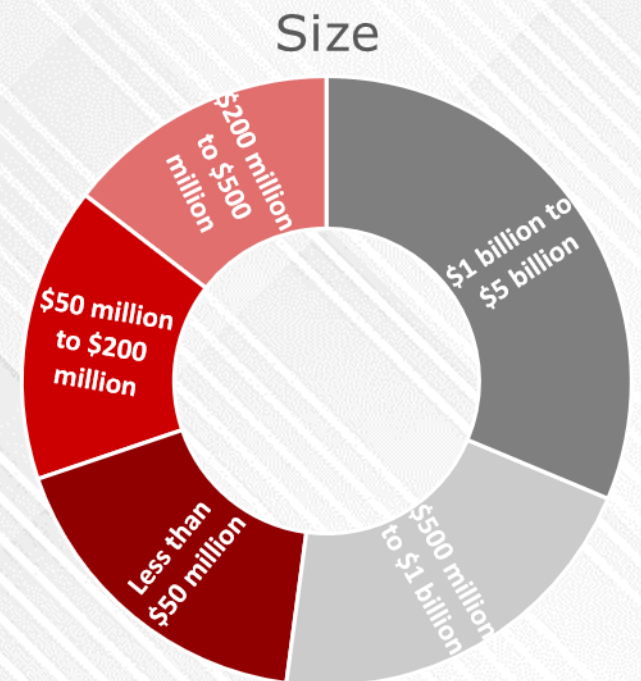
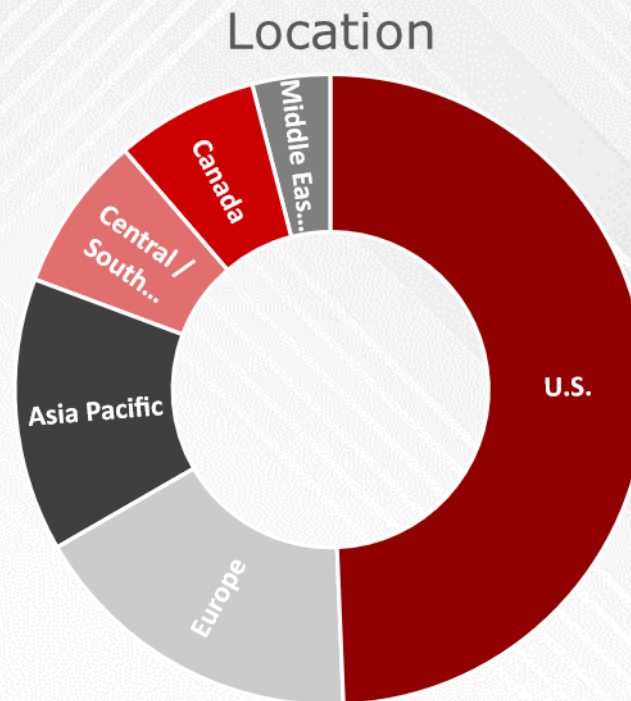
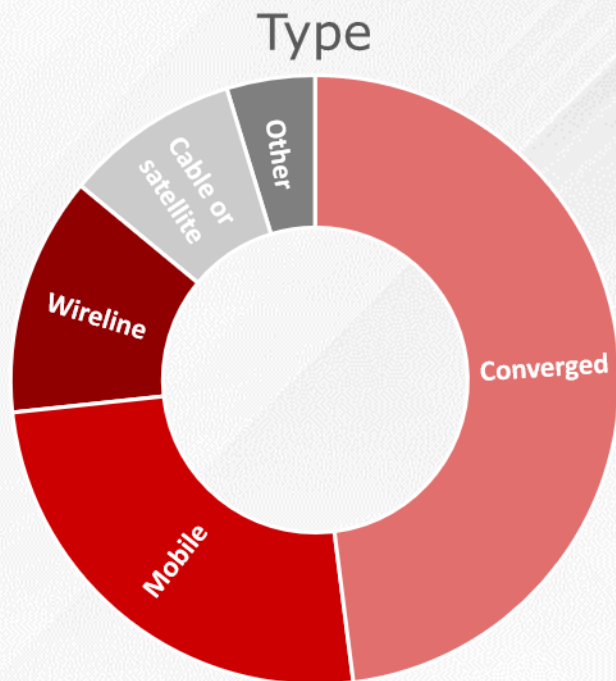
150  
responses

60+  
questions  
answered

## Thanks to our sponsors!

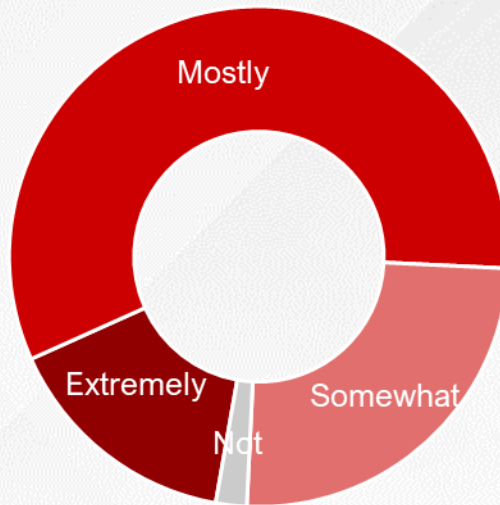


## Demographics

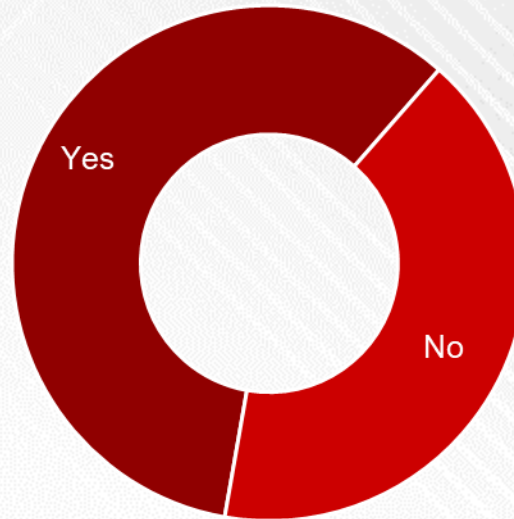


## Open Networking (1)

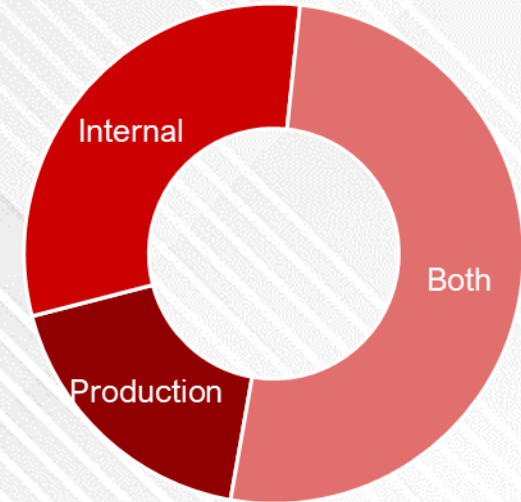
Confidence in open networking performance



Usage of open networking

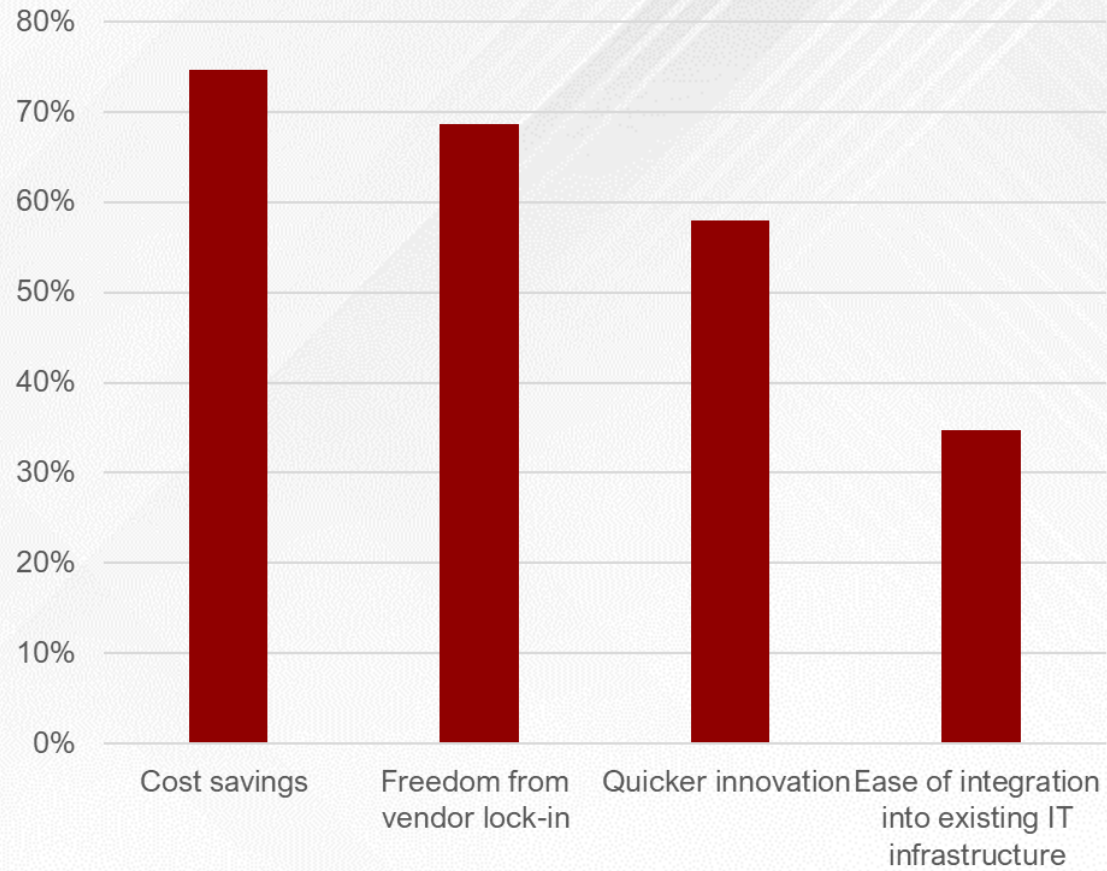


Networks with open source solutions

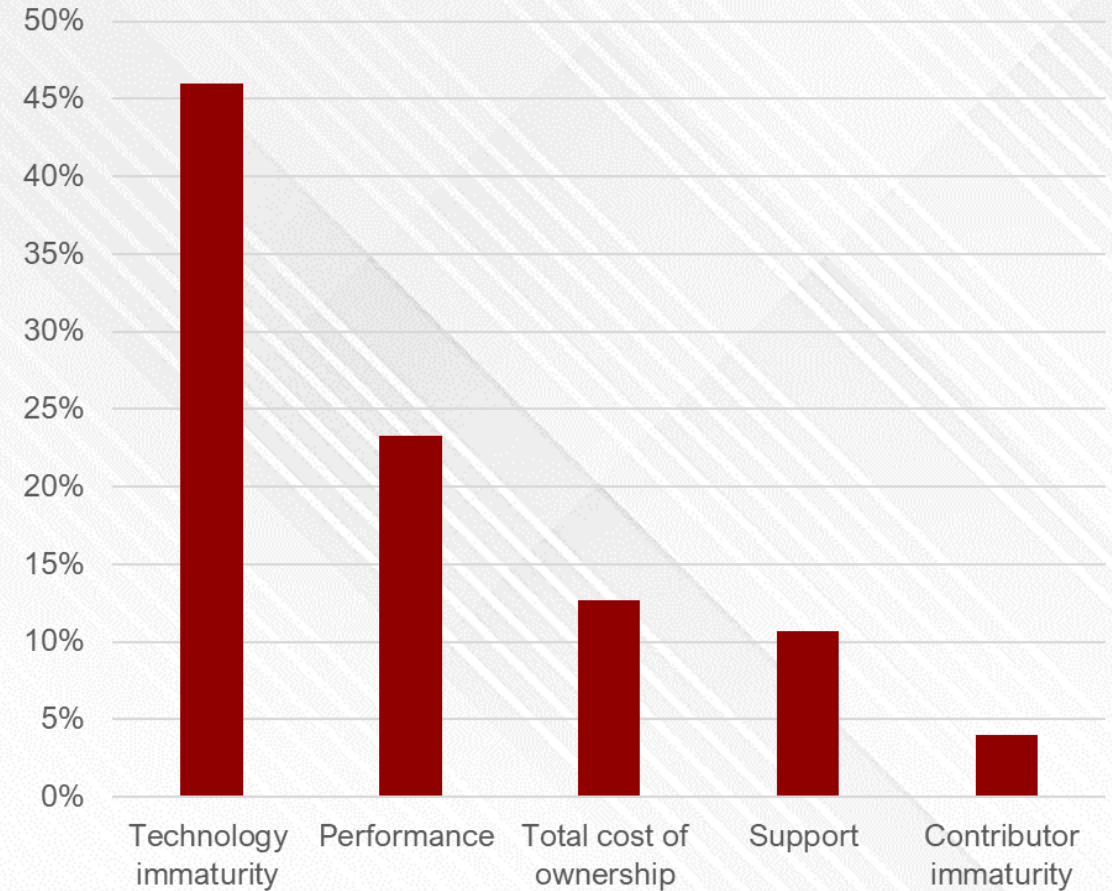


## Open Networking (2)

Expected Outcomes

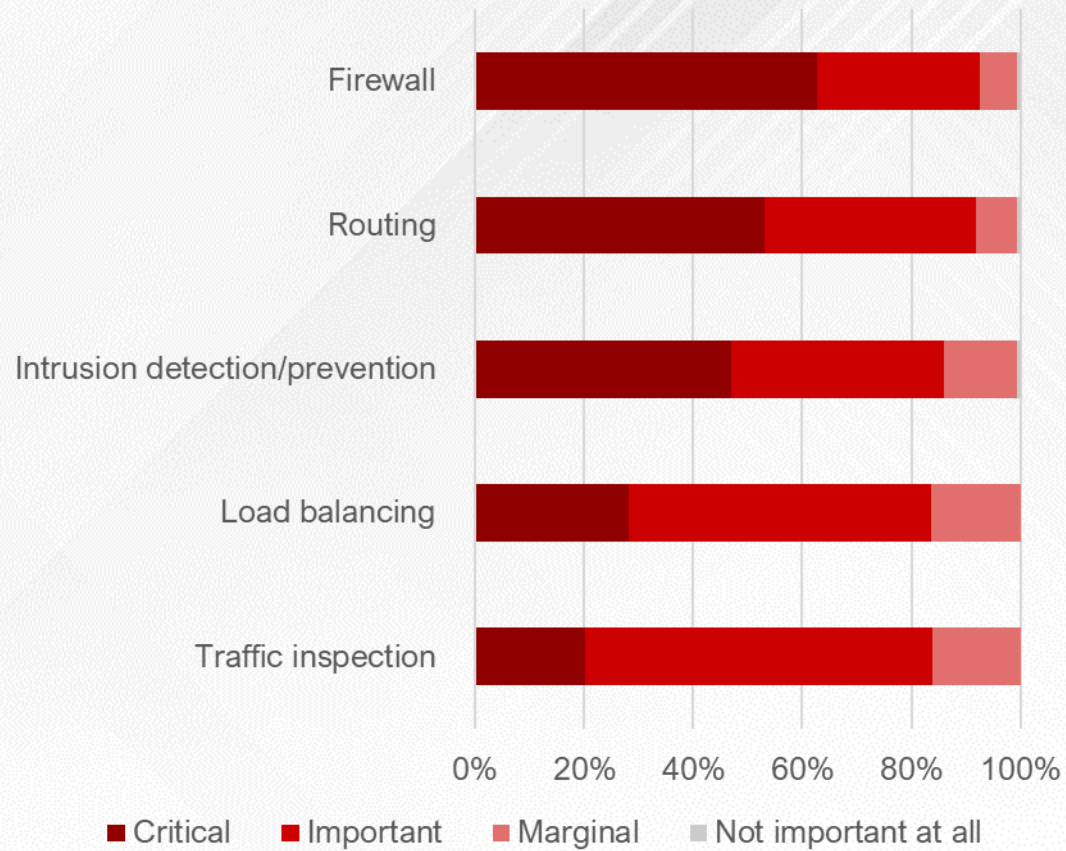


Biggest Concerns

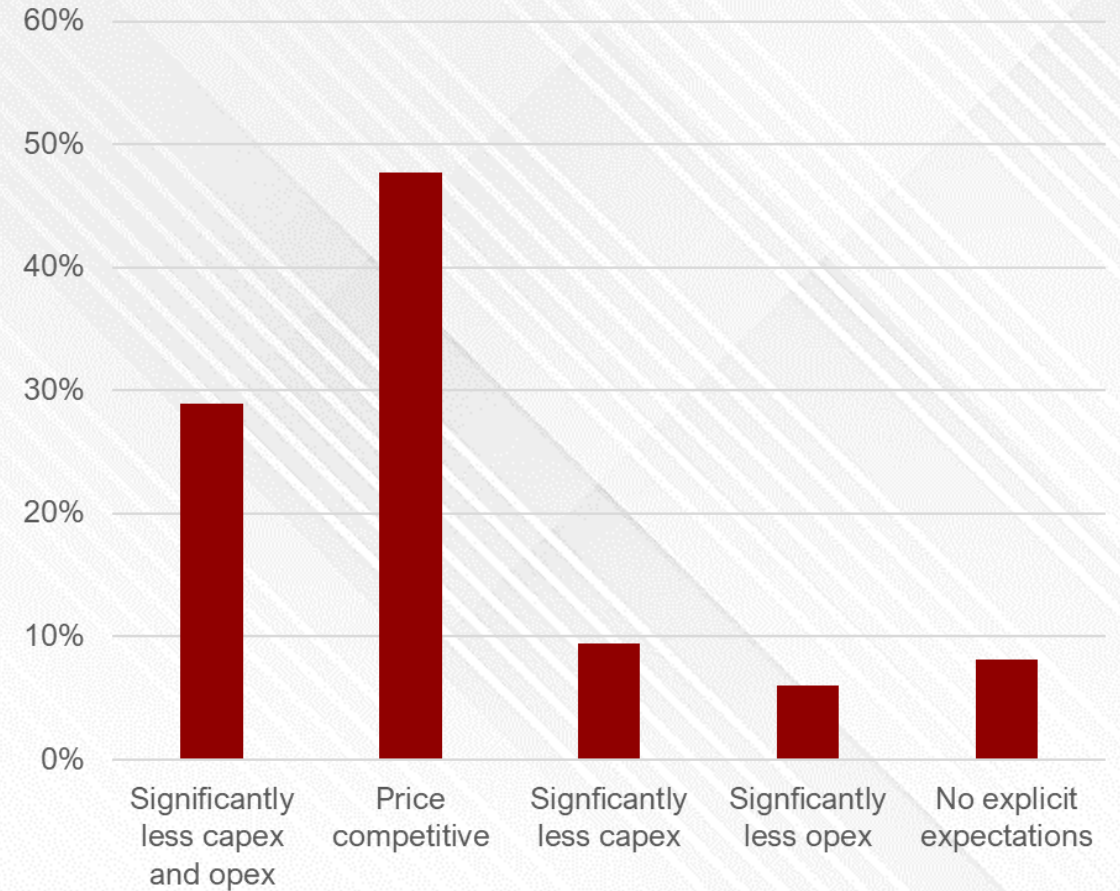


## Open Networking (3)

### Importance of Performance

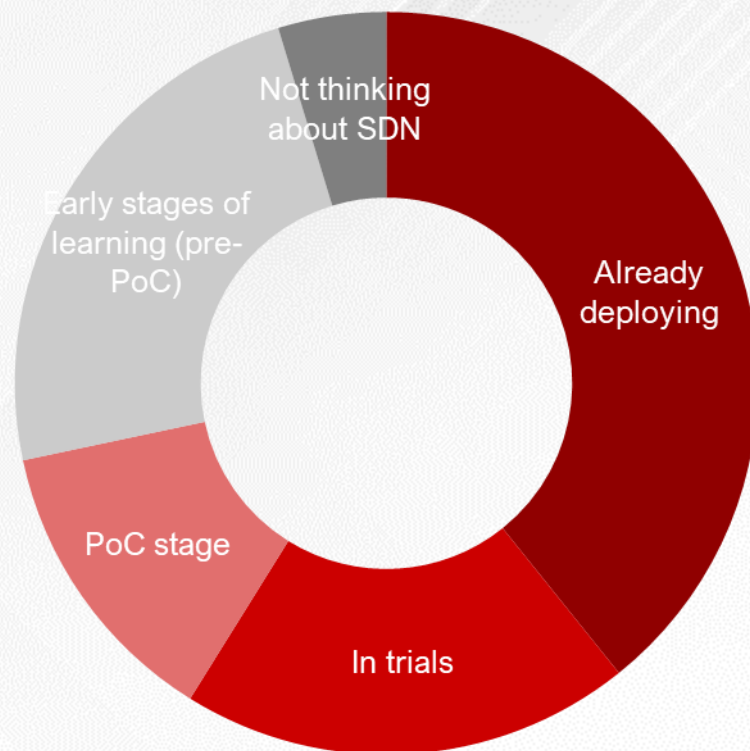


### Cost Considerations

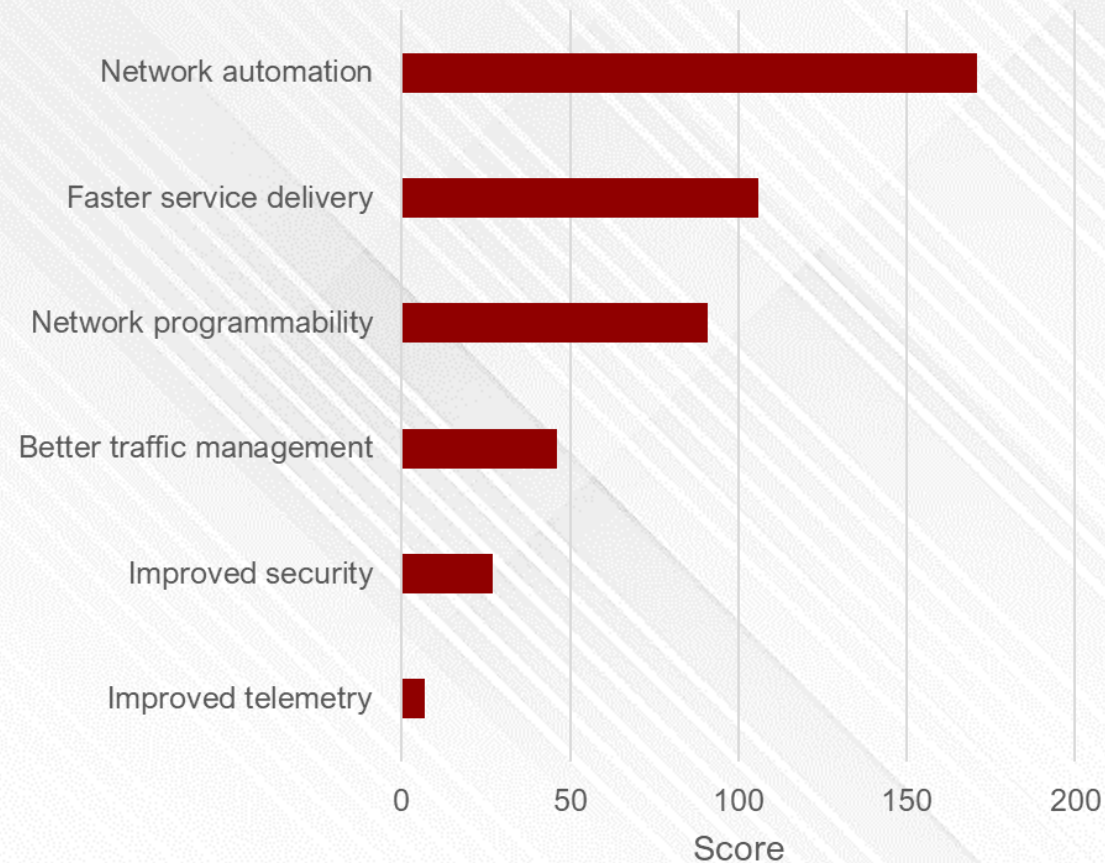


## SDN (1)

Deployment Status

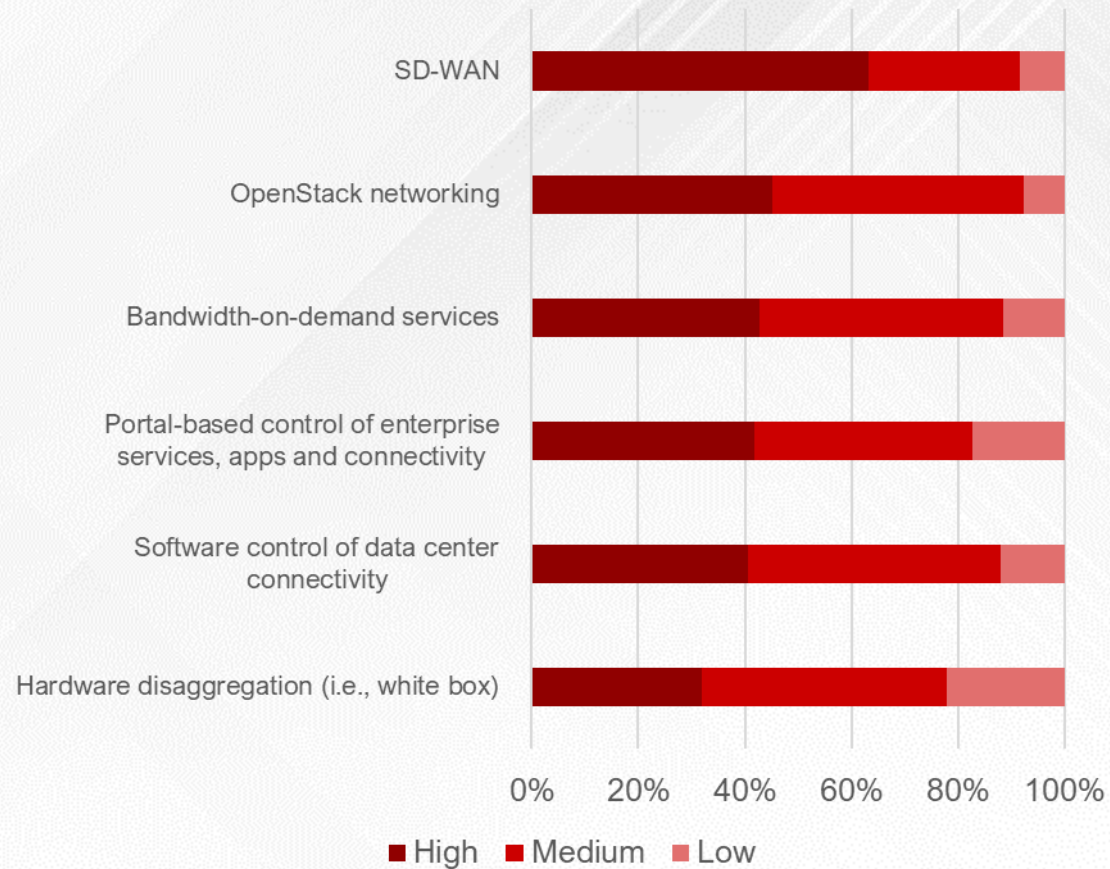


Biggest Benefits

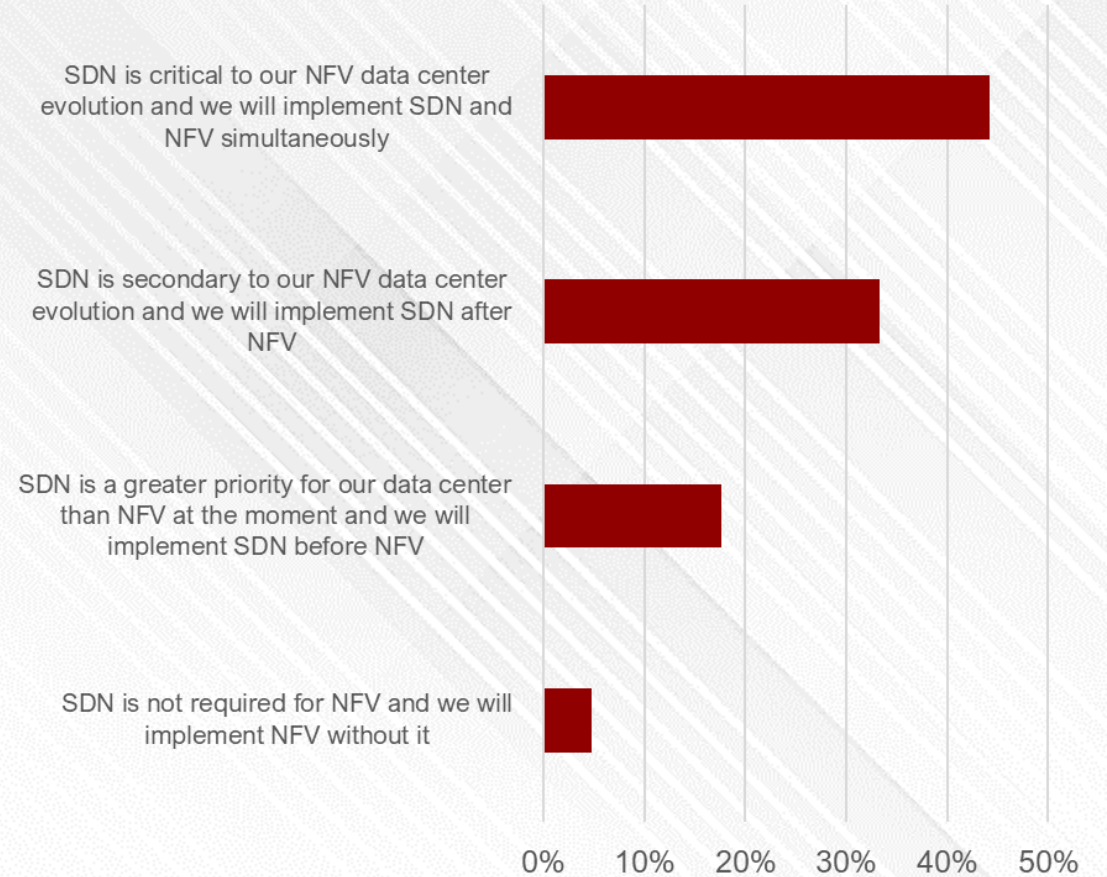


## SDN (2)

### Use Case Priority

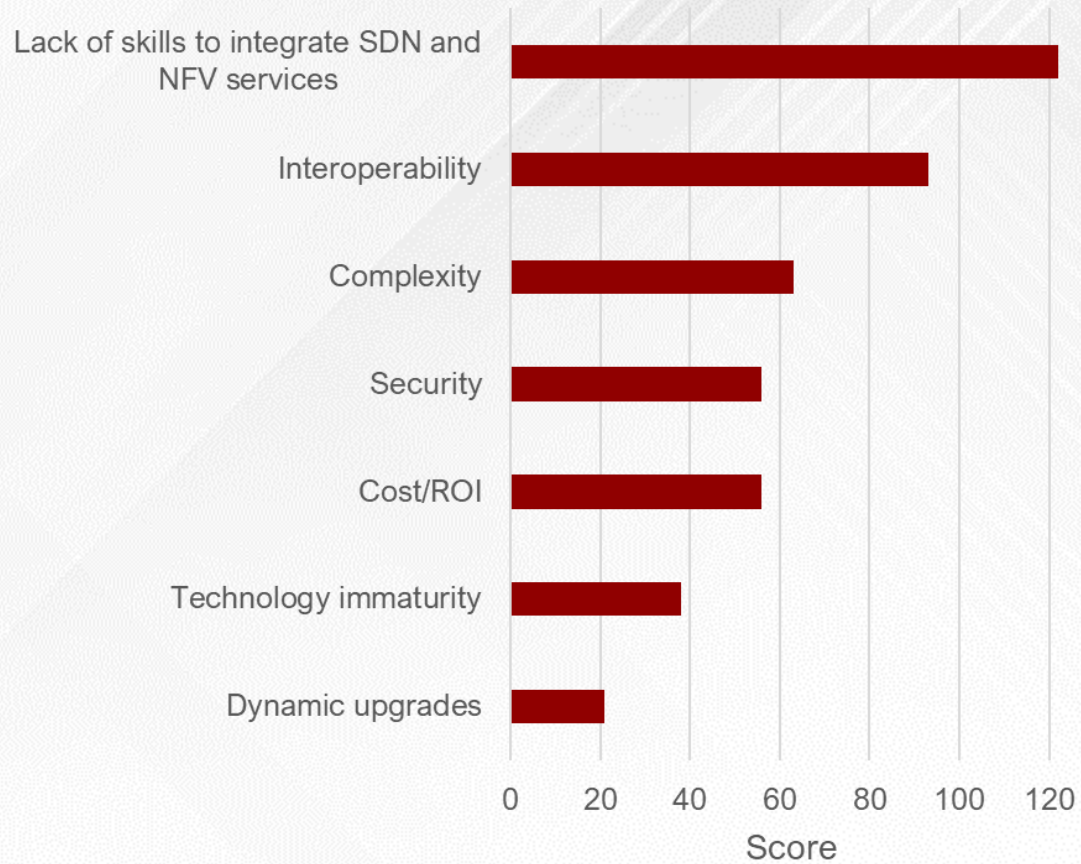


### SDN & NFV

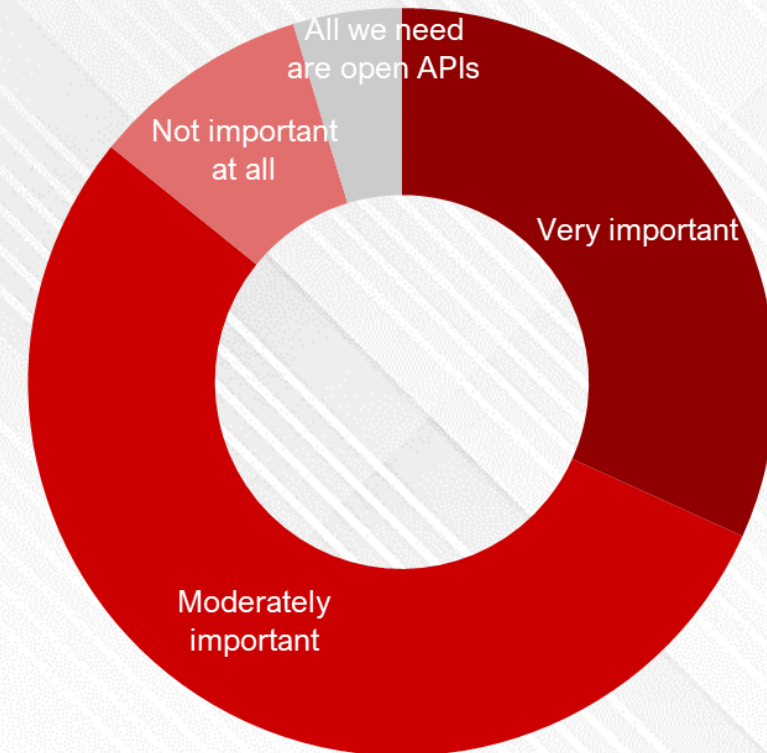


## SDN (3)

Biggest Concerns

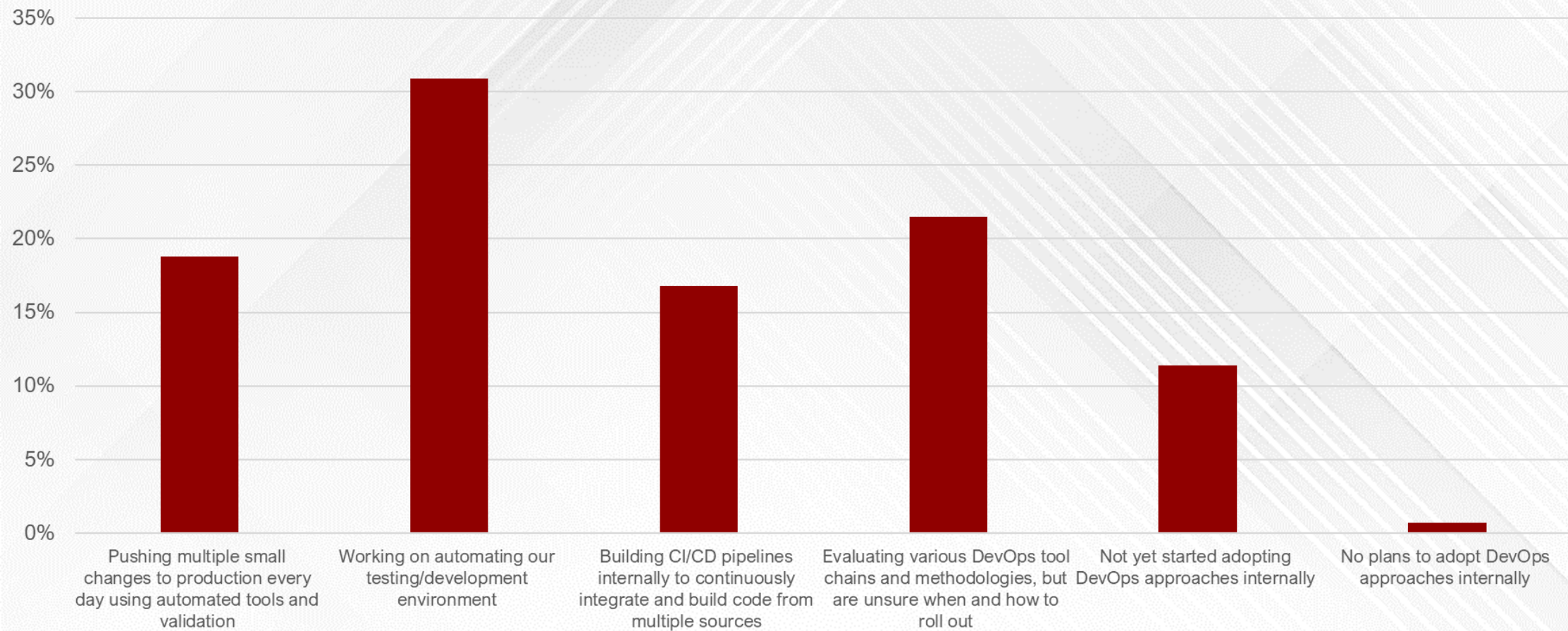


Importance of Open Source



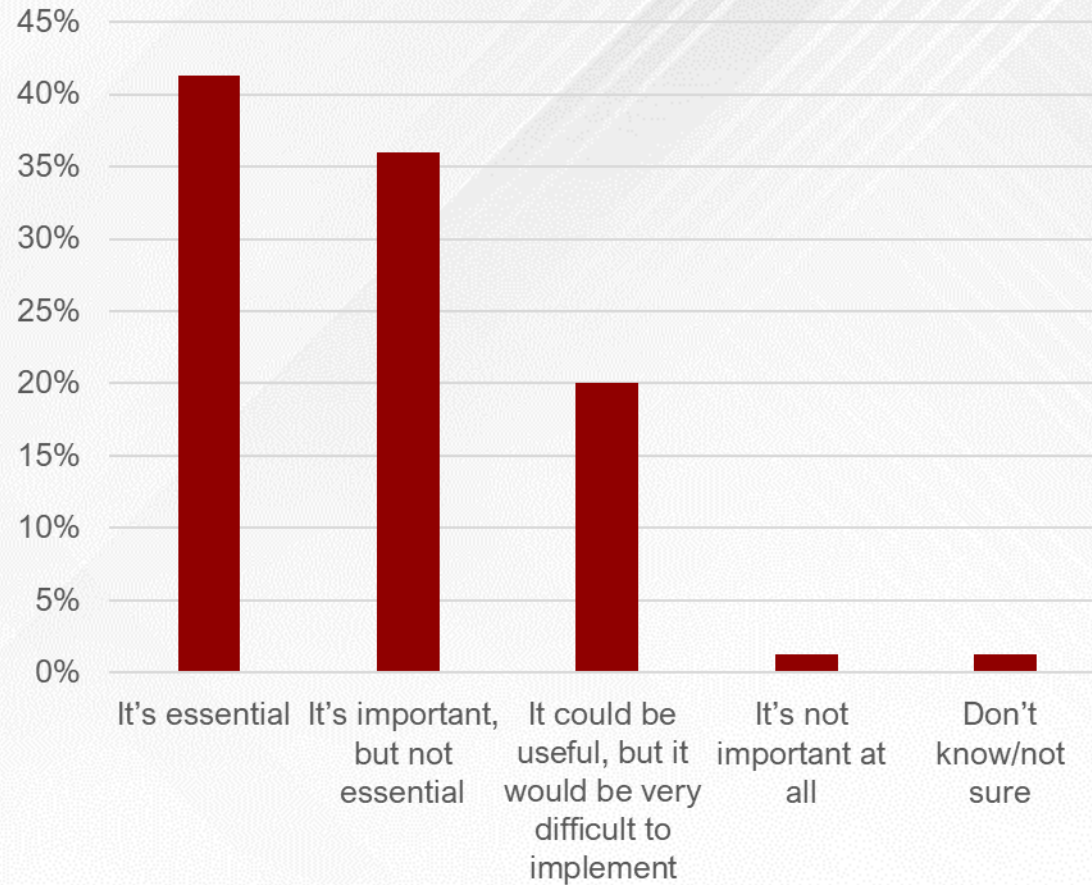
## DevOps (1)

### Engagement

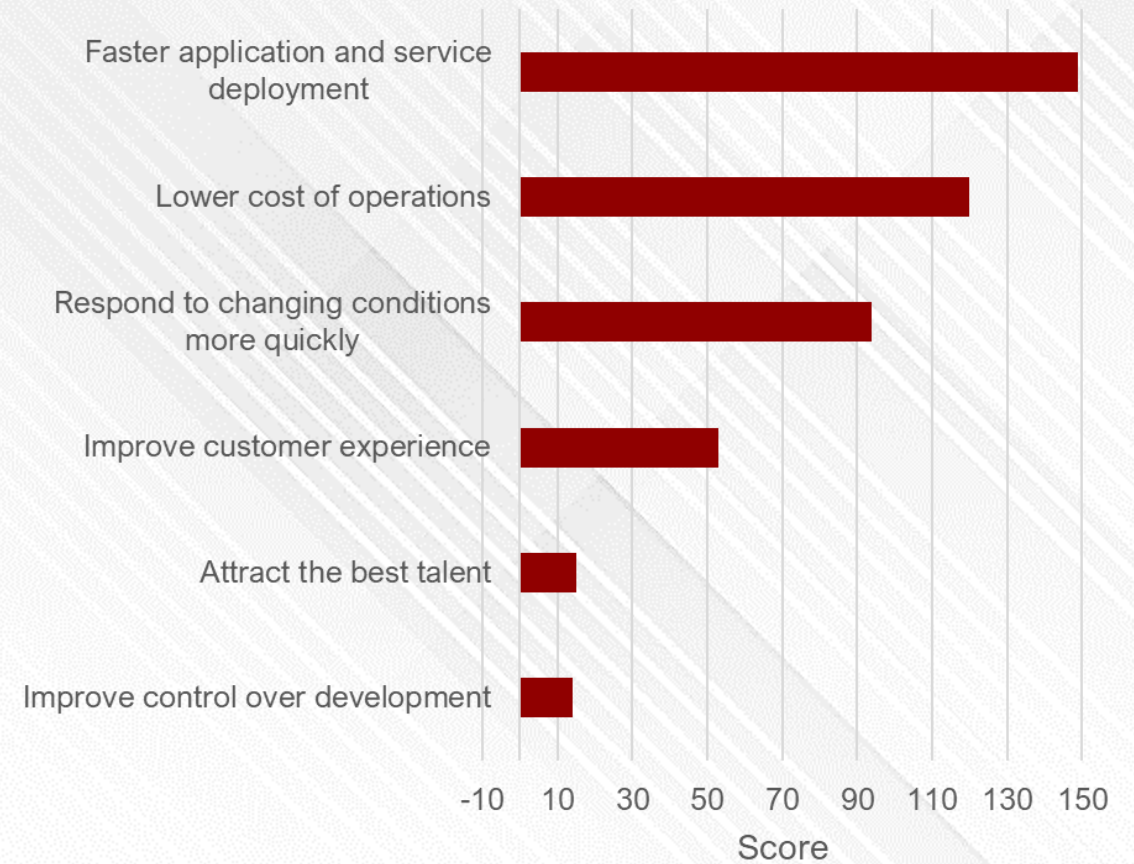


## DevOps (2)

### Importance to Service Delivery Success

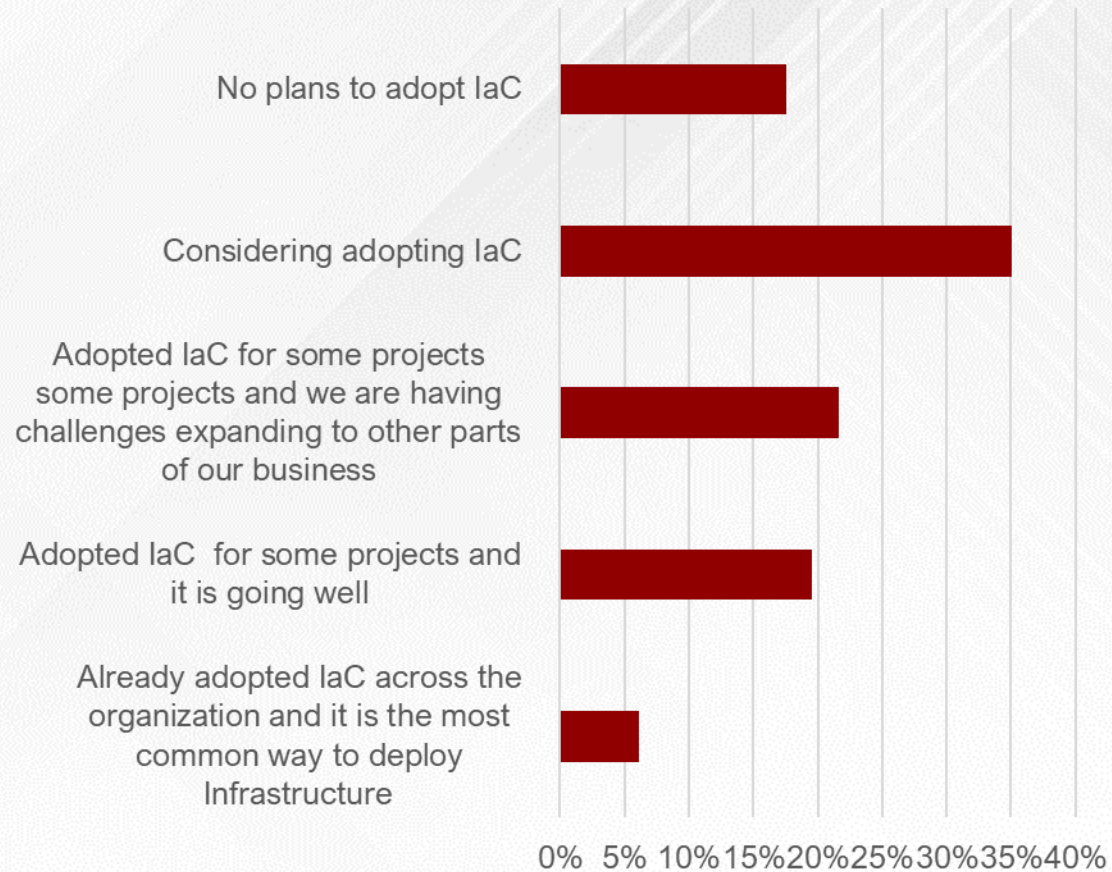


### Outcomes

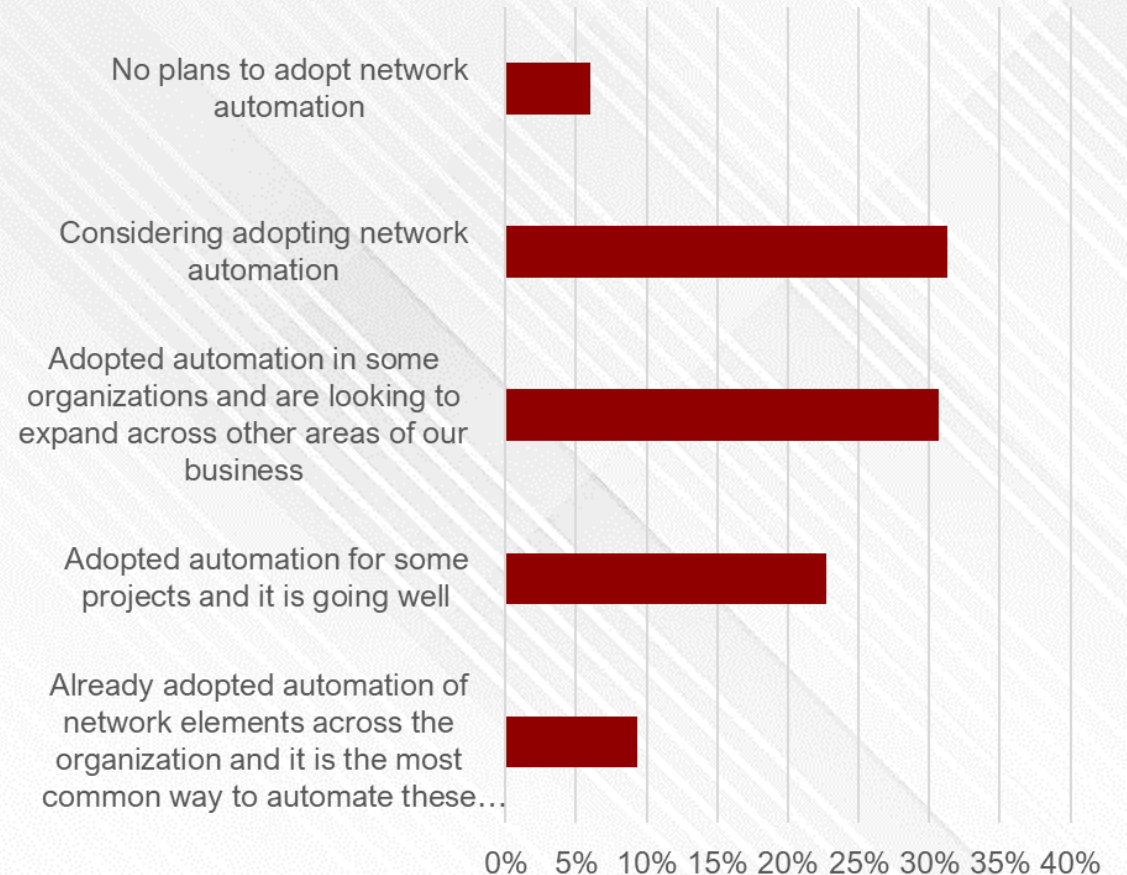


## Automation (1)

### IaC Status

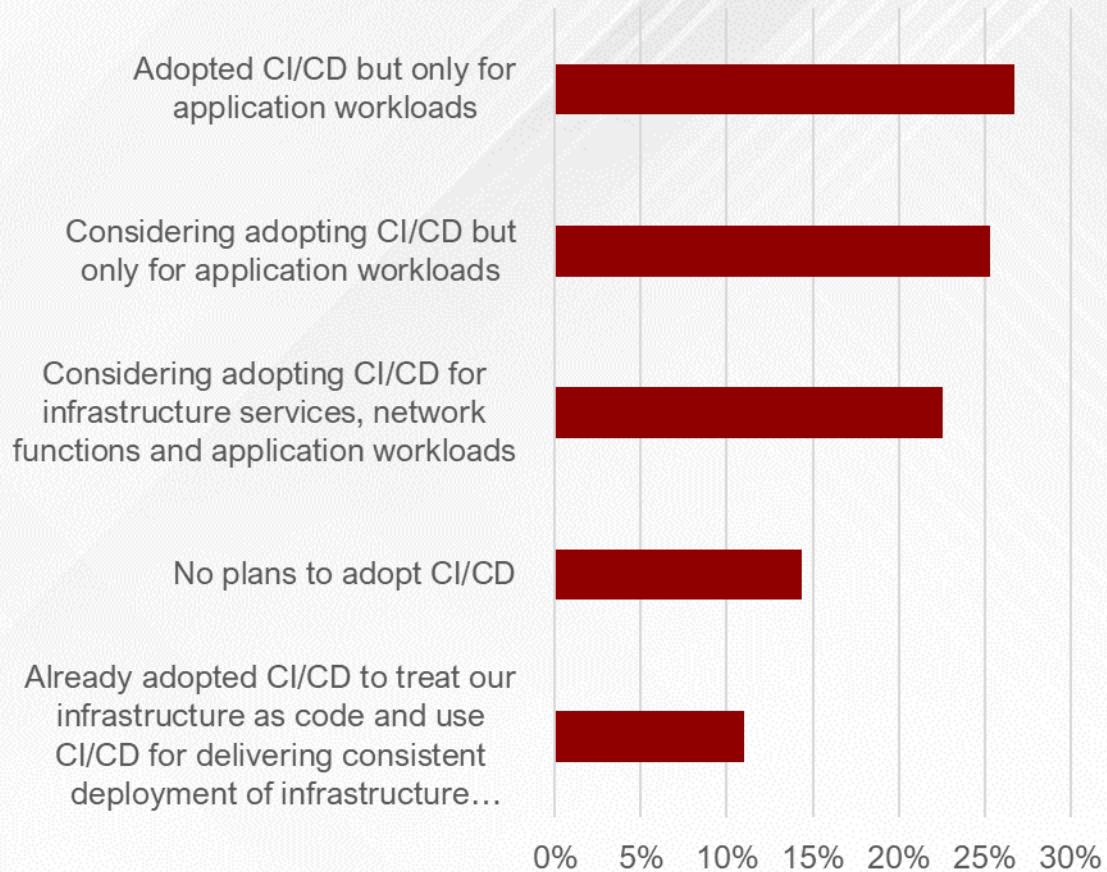


### Automating Configuration Management

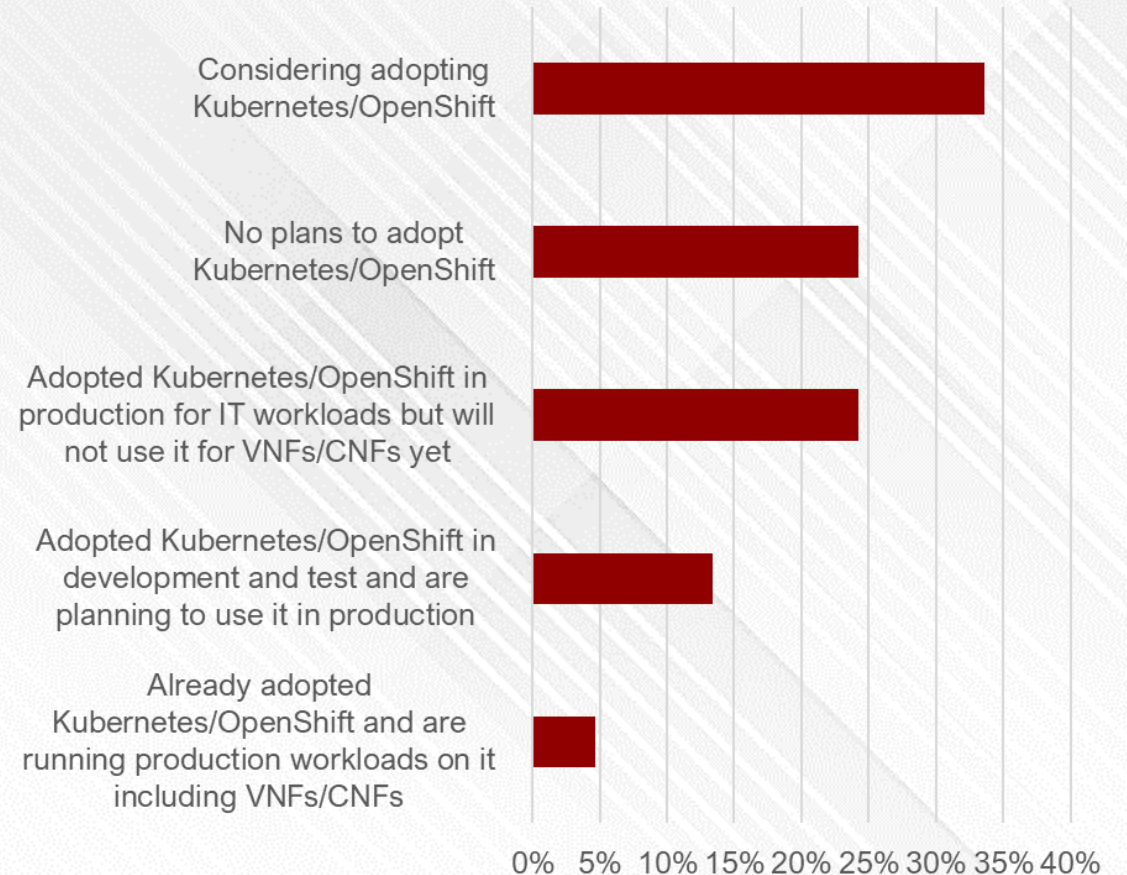


## Automation (2)

CI/CD Status

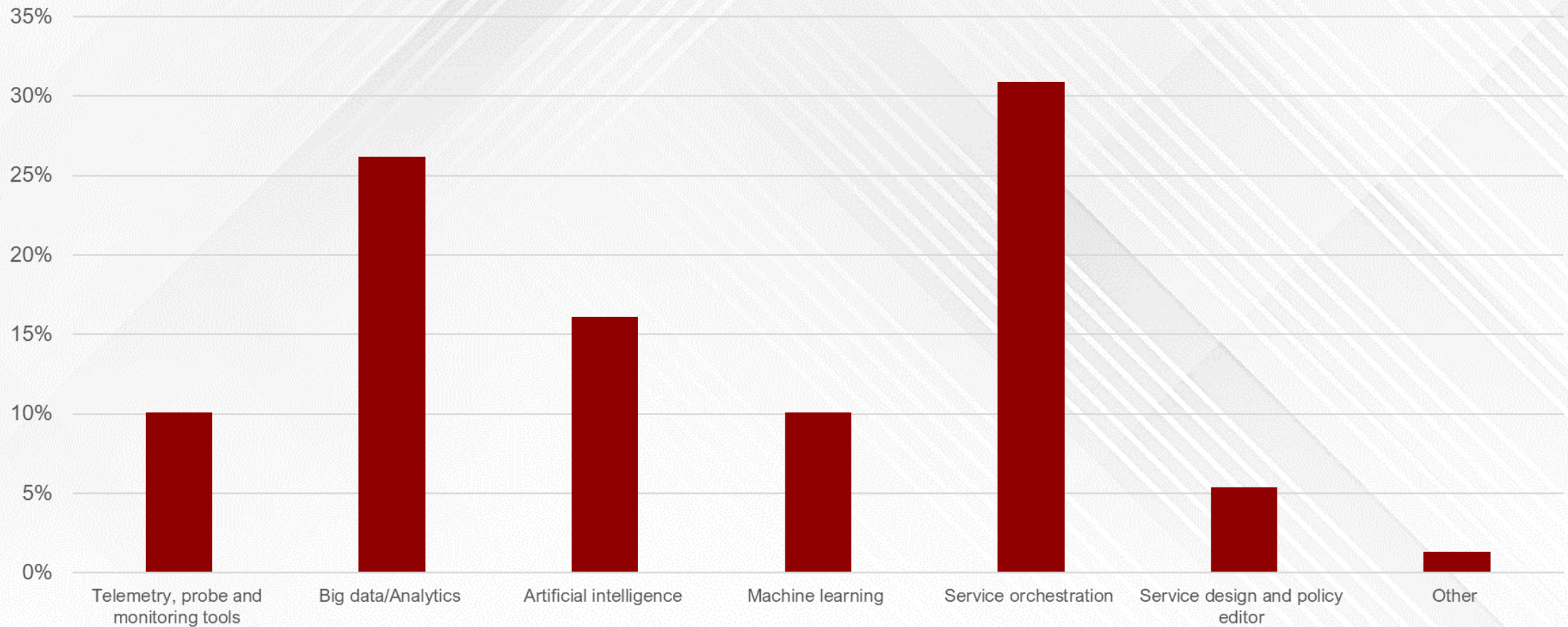


K8S/OpenShift Status



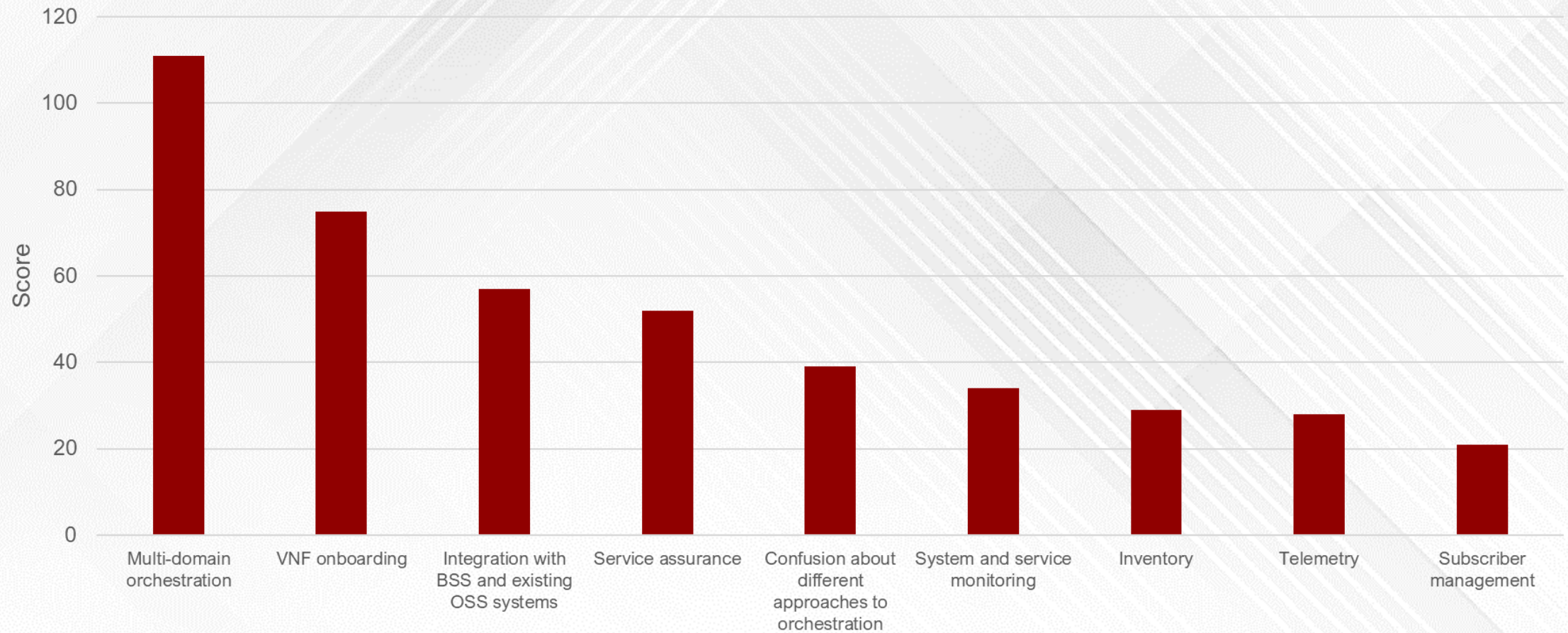
## Automation (3)

### Critical to get to Fully Autonomous Network Operations



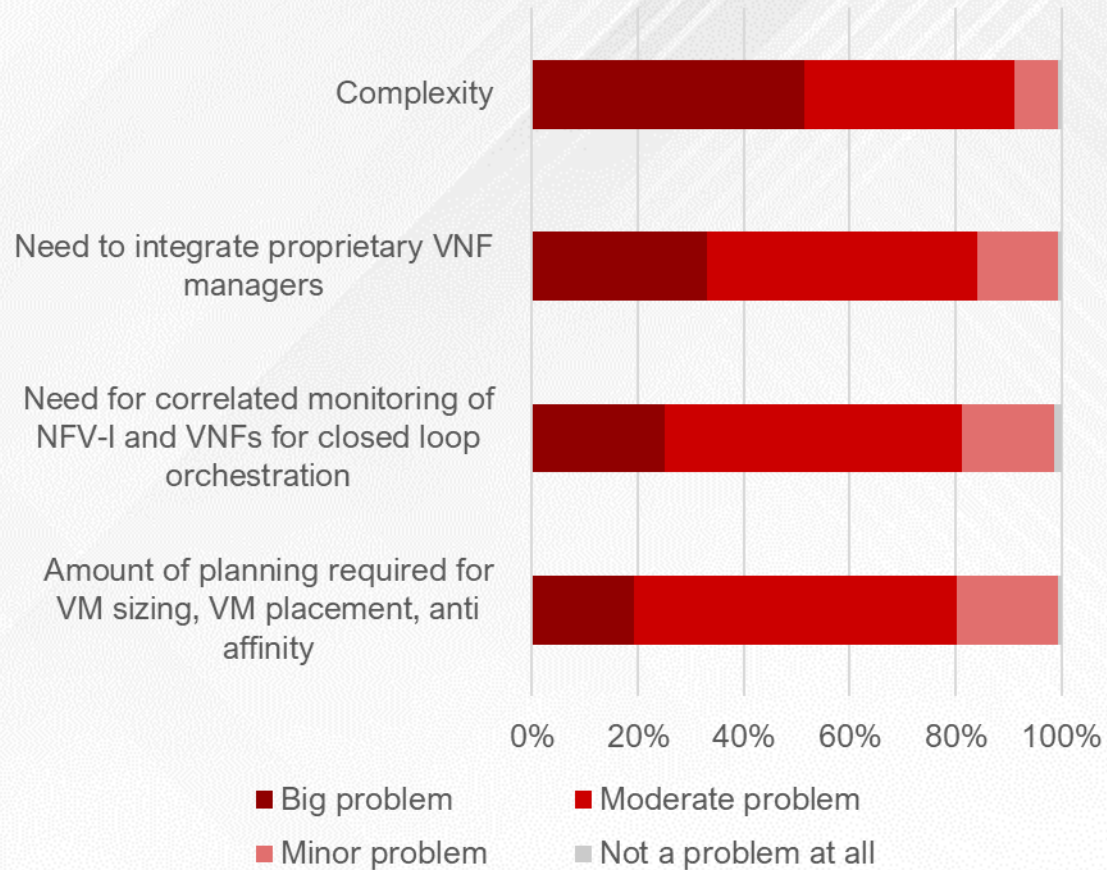
## MANO (1)

### Biggest Pain Points

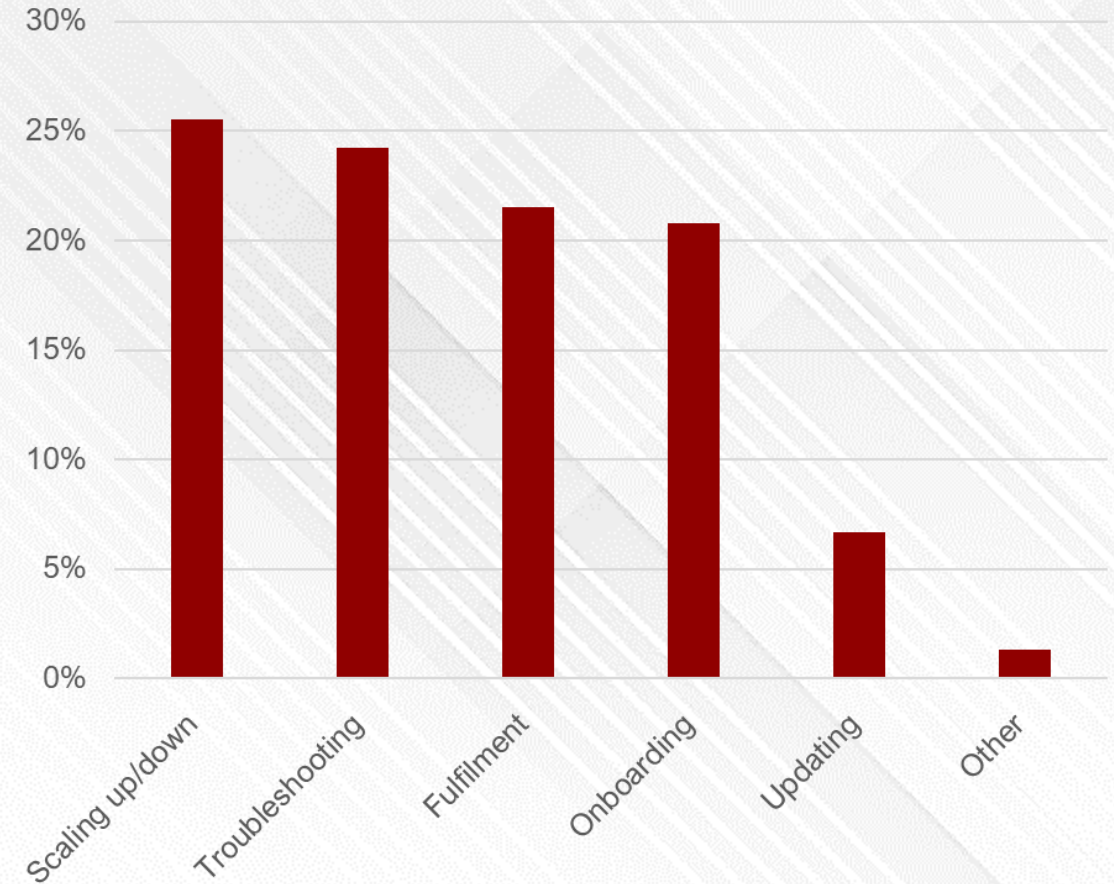


## MANO (2)

Barriers to MANO of VNFs

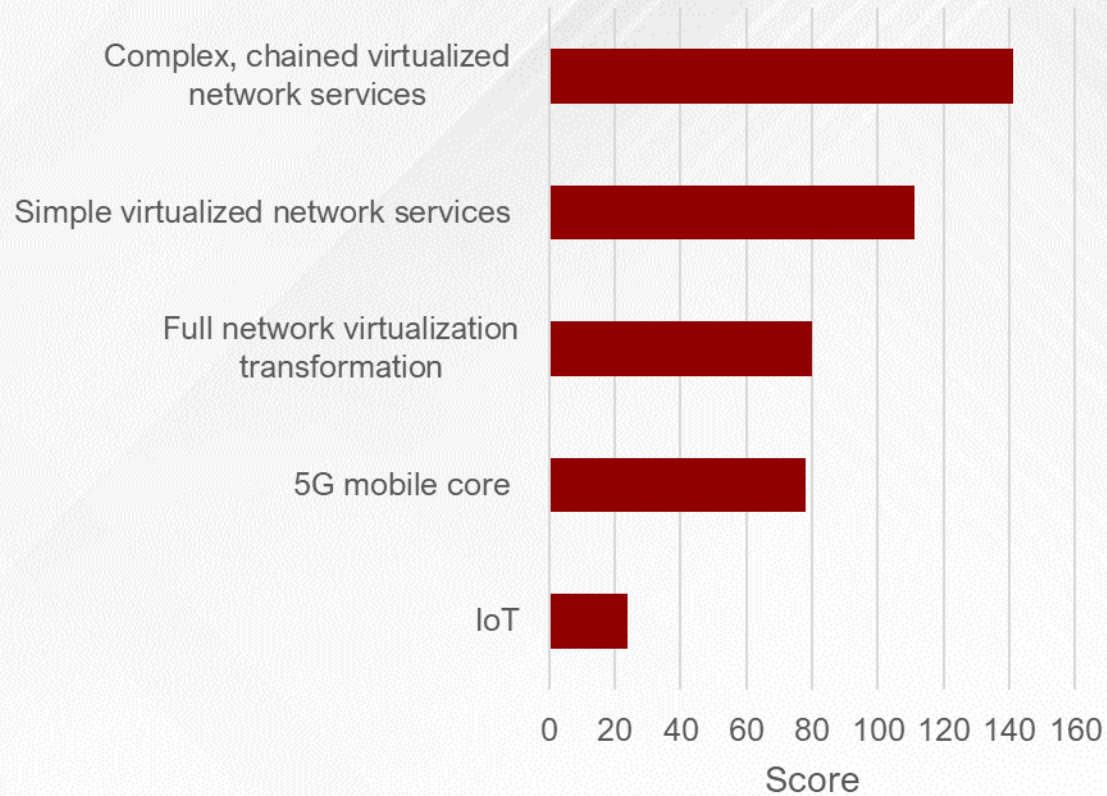


Concerns about VNF LCM

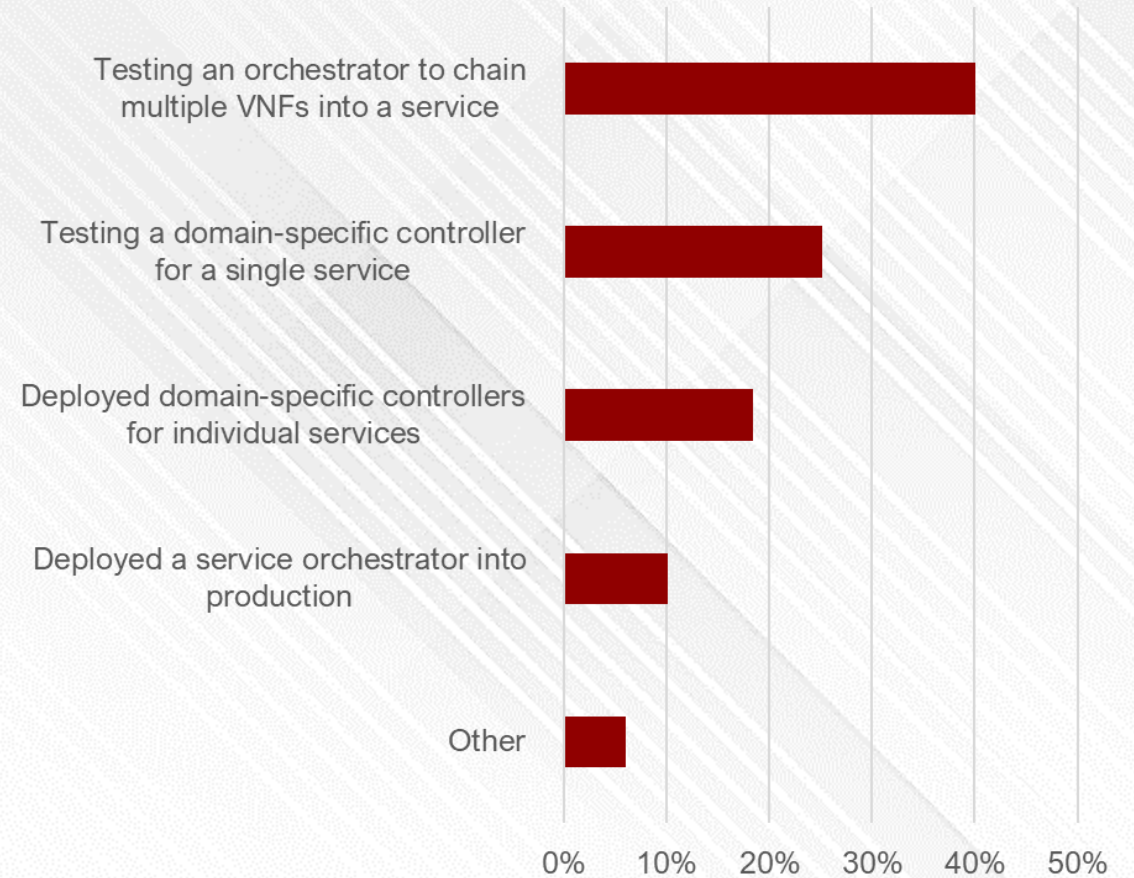


## MANO (3)

### Use Cases driving MANO Solution Demand



### Current MANO Usage



## Key Takeaways

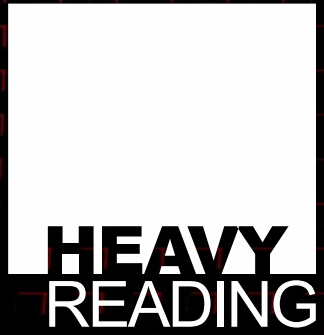
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Open  
Networking  
is here

SDN is  
happening

Automation  
is the goal

MANO is  
(still) a  
challenge



Questions?



605 Third Avenue, 20<sup>th</sup> Floor  
New York, NY 10158 USA

[www.heavyreading.com](http://www.heavyreading.com)

[analysts@heavyreading.com](mailto:analysts@heavyreading.com)