

# The state of data center network automation

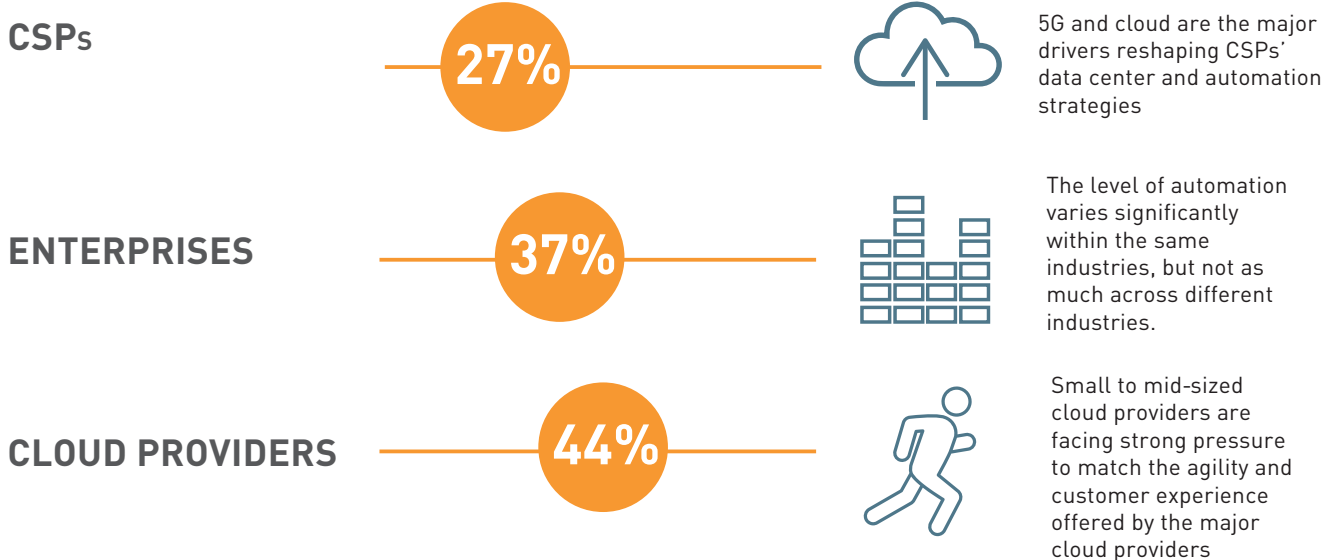
Analysys Mason, in partnership with Juniper Networks, carried out a global study in 4Q 2022 through an online survey and interviews to assess the current state of data center network automation. The survey results show that the level of automation in data centers has been limited to-date and organizations struggle to make progress with their do-it-yourself (DIY) automation approaches.



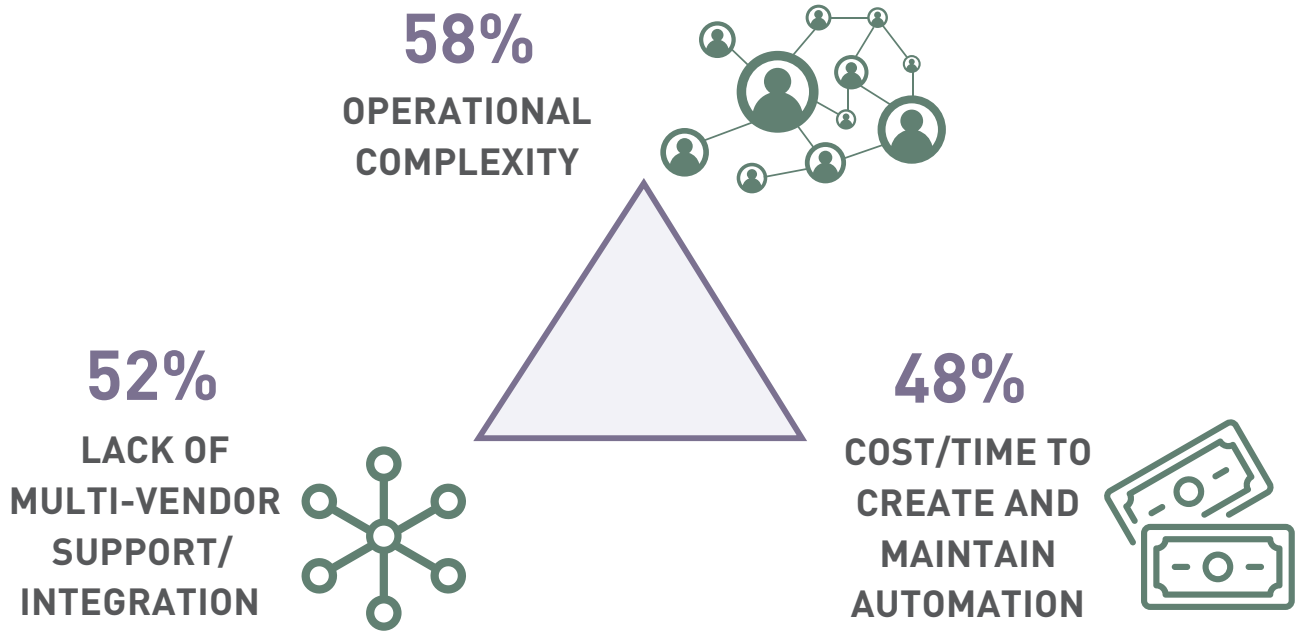
## Level of data center network automation is low across all segments

Average level of automation achieved in Day 0,1 and 2+ operations

### Notable trends

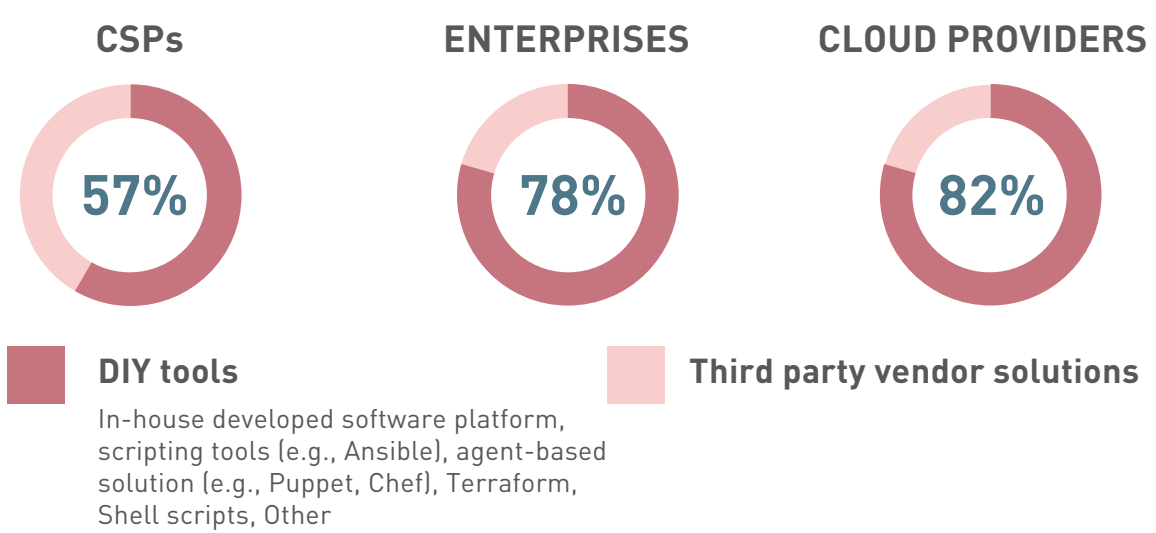


## Operational complexity and siloed technology/operations are the biggest barriers to data center automation



## Organizations mainly rely on DIY tools to fulfill their automation needs and overcome barriers...

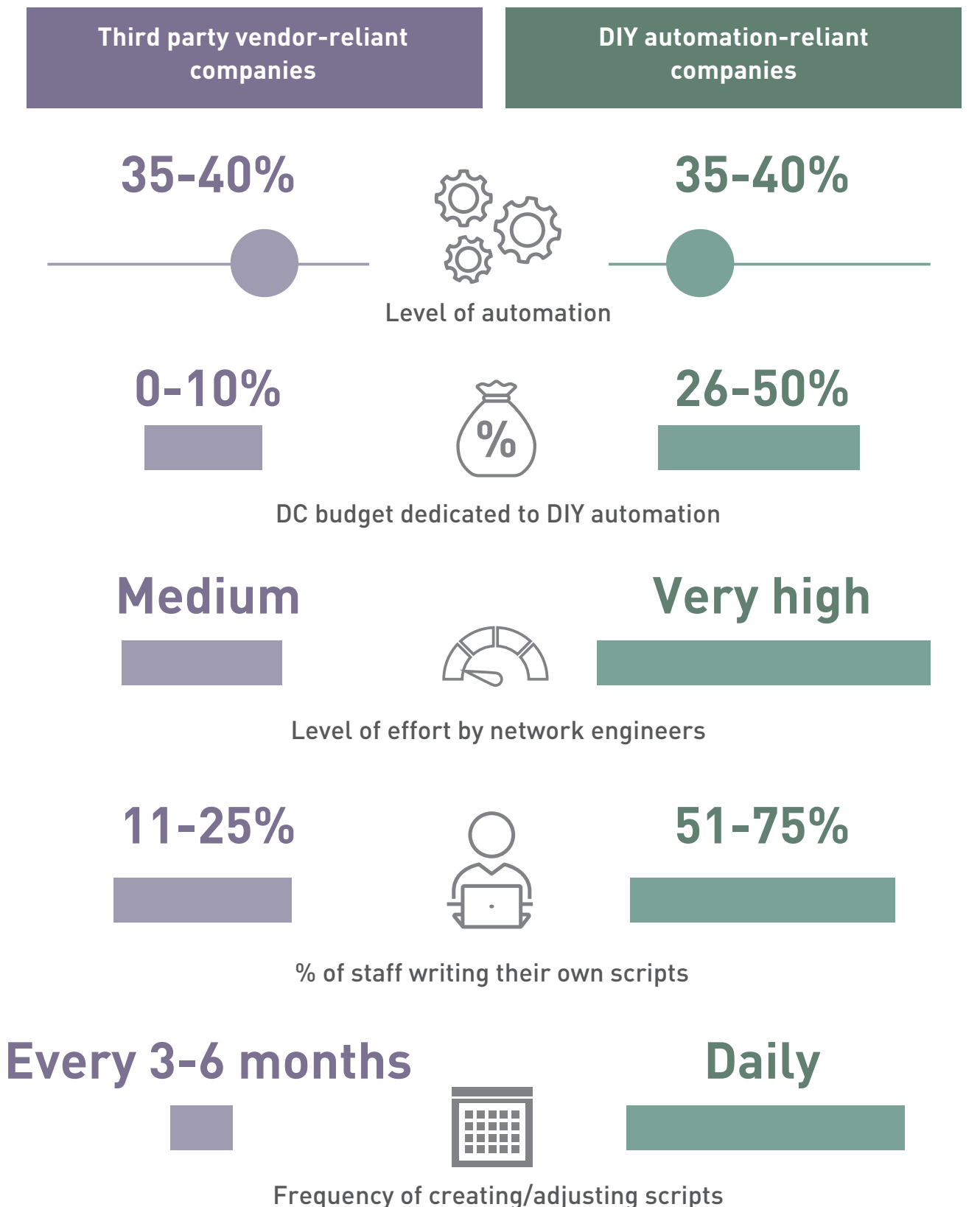
Average use of automation tools in data center network automations



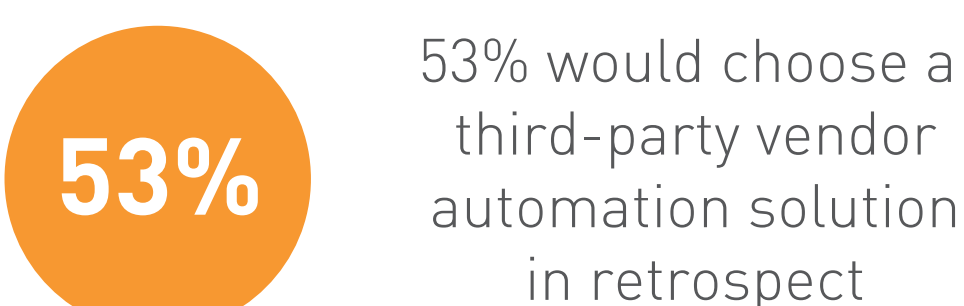
### ...but these tools often present major resource and ROI-related challenges

- 1** Lack of resource availability to manage software lifecycle **54%**
- 2** Dependencies of key development staff **42%**
- 3** ROI/cost of ownership **38%**

## DIY automation comes with significant hidden opex costs and a lack of efficiency in achieving automation



## Just 3% of organizations surveyed are fully satisfied with their DIY automation approach



For further insights into this study, please see these reports:

- CSPs' DIY data center network automation: key motivations, challenges and true costs of in house built automation
- Cloud providers' DIY data center network automation: key motivations, challenges and true costs of in house built automation
- Enterprises' DIY data center network automation: key motivations, challenges and true costs of in house built automation

