

How to deploy your SDN effectively



↑ Gartner says that hybrid software defined networking deployments allow for non-disruptive migration.

Organisations need to carefully consider which deployment model to adopt when rolling out software defined networks, according to Gartner.

Currently three deployment models for SDN are available; switched-based, overlay and hybrid. For greenfield deployments, particularly when the cost of physical infrastructure and multi-vendor options are important,

a switch-based model is common, said Joe Skorupa, VP and distinguished analyst at Gartner, although the biggest limitation to this approach is that it currently does not leverage existing L2/3 network equipment.

When rapid deployment over an existing IP network, or when responsibility for the SDN environment is assigned to the server virtualisation team, a tunnel-based overlay approach may be appropriate. With this approach the SDN endpoints are virtual devices that are part of the hypervisor environment.

“The greatest limitations of this approach are that it does not address the overhead of managing the underlying infrastructure, debugging problems in an overlay can be complex and it does not support bare metal hosts,” said Skorupa.

The third approach combines the first two into a hybrid deployment. This allows a non-disruptive migration with a path toward an eventual switch-based design. Gateways link devices that do not natively support overlay tunnels, such as bare metal servers.

DATASTREAM

413m
The total forecast number of internet users in the Middle East and Africa regions by 2017

Source: Cisco

30%
The percentage increase of social networking activity in the Middle East region during the holy month of Ramadan

Source: The Online Project

2018
The year that 40G uplink speeds are forecast to be a requirement for server interfaces

Source: CommSco

VOX POP

IF 1 EQUALS “IT KEEPS ME AWAKE AT NIGHT” AND 10 EQUALS “DON’T CARE”...

Is green IT important for your company?



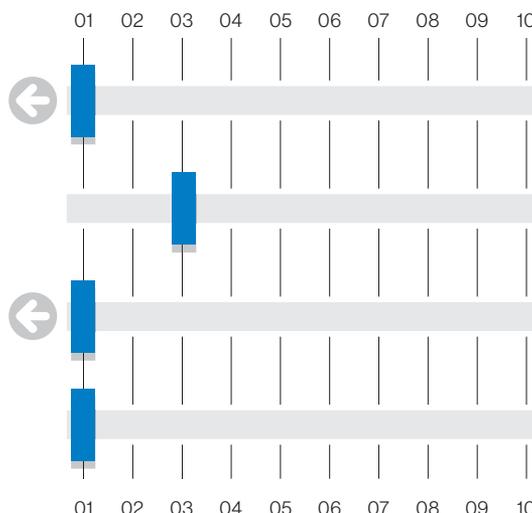
“It is very important to reduce the carbon footprint and improve Data Centre efficiency.”

Ganesh Bhat
eHDF



“DSO is committed to reduce its carbon footprint with innovation & best practice.”

Ghanim Al Falasi
Dubai Silicon
Oasis



“Committed to environmental stewardship, we help customers operate safely and efficiently.”

Maurizio Rovaglio,
Invensys



“We make energy intensive data centres energy efficient.”

Olivier Delepine
VP, Gulf, IT Business,
Schneider Electric

