

Decreasing Data Center Network Complexity

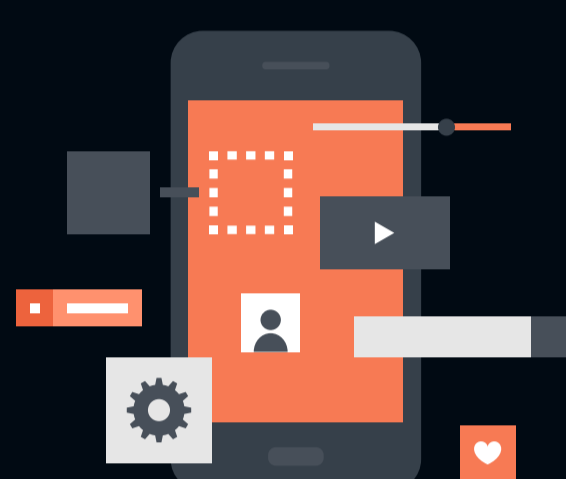
Data centers need to scale up to accommodate the continuous growth of network traffic

Data centers are undergoing a transition as they adopt bandwidth-hungry applications like HPC and virtualization and migrate to cloud-based applications. The resulting amount of data and application traffic organizations must manage today is driving the need to increase overall data center network throughput and capacity.

» WHAT IS DRIVING THE NEED TO SCALE UP ENTERPRISE DATA CENTERS?



More diverse endpoints are increasing the amount of data to be processed.



Employees are using increasing numbers and types of applications.



Higher data volumes are processed and stored from on-premises, hybrid cloud, and edge locations.

Deploying high-density multi-rate switches with 400GbE makes operational and financial sense

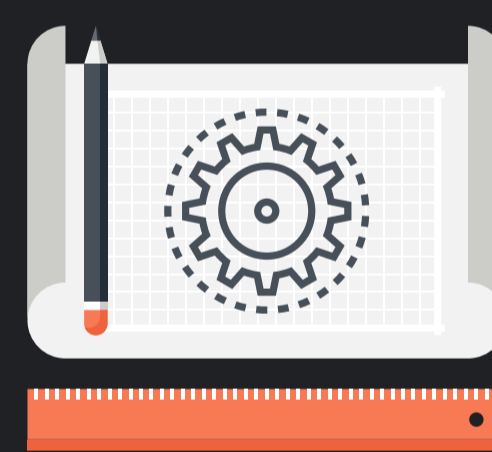
Migrating to 400G-capable networks requires a high-capacity switch with high densities of both 100G and 400G ports. High port density results in fewer switches to be purchased and managed.

Organizations have been **deploying multiple 100G switches to aggregate port traffic** at the data center spine to increase overall network throughput, yet:

Network environments are already considered complex



Deploying new technologies has contributed to this complexity



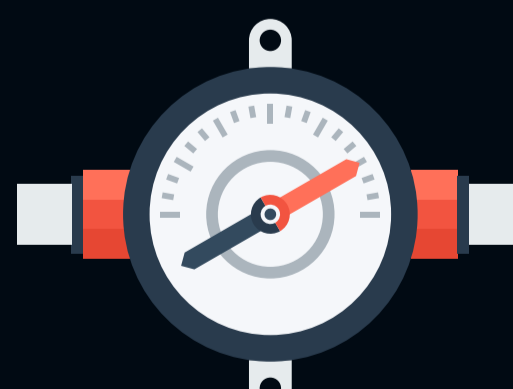
Organizations can leverage the Dell PowerSwitch Z9664F-ON for cost-effective connectivity up to 400 GbE with its multi-rate support and increased higher-speed port count

Deploying the Dell PowerSwitch Z9664-ON can help organizations to overcome challenges typically faced when accommodating increasing numbers of applications and growing data volumes in hybrid clouds.

» OVERCOME CHALLENGES SUCH AS:



Inability to rapidly scale the network



Ensuring adequate levels of network performance

Dell Technologies can provide cost-effective options for building out a 400G data center fabric occupying smaller footprints

Eliminating the need to use multiple 100G-capable switches in the data center eliminates unnecessary expenses while maximizing network performance, capacity, and throughput.

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