

The Cloud Changes Everything!

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The Billion Dollar Datacenter



Data Center Future Trends

- ✓ Software resilient datacenters: Not about keeping facility up its about keeping the service up
- ✓ Virtualization drives change up and down the stack
- ✓ Service providers are simplifying, automating and integrating to keep pace
- ✓ Key Challenge: Scale with minimal increase in people, \$\$\$, and resources

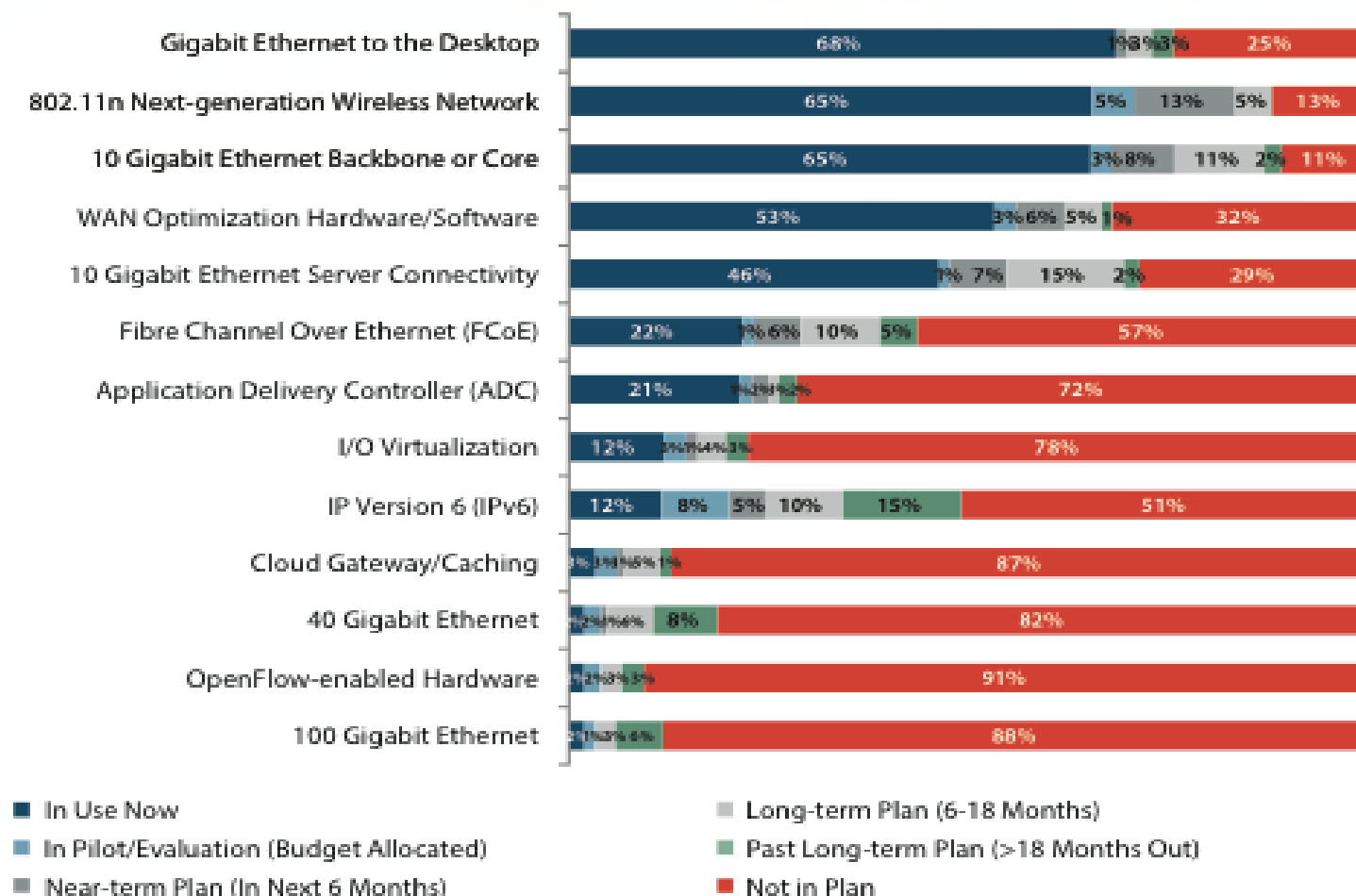
The Cloud Impacts on the Network

- ✓ Bye Bye Spanning Tree... TRILL?
- ✓ VM mobility will drive new designs, technologies and architectures east west traffic demands flatter networks
- ✓ Security: Server Virtualization dynamic nature is antithetical to static network security. Can traditional network security approaches scale?
- ✓ Server Bandwidth Accelerating: Use of Gigabit Ethernet and 10 gig accelerate
- ✓ Data center networks will need to be more scalable more application fluent

Infrastructure: Technology Roadmap

What is your status of implementation for this technology?

n = 143 to 155.





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