Cisco Data Center Solutions
Cisco Data Center 3.0 accelerates virtualization and enables automation to extend the lifecycle of critical government processes, while enabling the next wave of operational efficiency and capital expense optimization.

By bringing network, compute/storage, and aggregation strategies using the appropriate blending of fiber, copper, and SFP+ Twinax cables and enabling automation to extend the lifecycle of fiber, Cisco is pleased to introduce data center solutions that meet both technology and economic needs.

Next-Generation Data Center for Government and Education

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The 10 Gigabit Ethernet age is well underway. In 2008, Cisco shipped nearly 37 million 10 Gigabit Ethernet ports worldwide. With current fiber technologies, a single investment can lead you to 10 Gigabit, 40 Gigabit, and eventually 100 Gigabit without replacing the fiber cable plant.

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• Reduced TCO at the platform, site, and organizational levels

Cisco Unified Computing System integrates a low-latency, lossless 10 Gigabit Ethernet to limit data center appliance sprawl and provide tape acceleration, and virtualization enable you to meet the business and application needs of a data center.

Cisco UCS B-Series Blade Servers

A combined Tar of Thin MD1 and Blade Data Storage (SFS) access license contained in one software license. This design is a representation of a complete unified data center architecture. The terms represented in this figure correspond to products and technologies in the Cisco UCS 6100 Series Fabric Extender, Cisco Nexus 5000 Series Switches, and Cisco Nexus 7000 Series Switches.

Physical

Cisco UCS B200 M1 Blade Servers

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Up to eight Cisco UCS B-Series Blade Servers can be installed in a Cisco UCS 6100 Series Fabric Extender per blade chassis. Each chassis is a scalable platform that unites compute, network, and storage access, and virtualization into a cohesive system designed to reduce capital and operational expenses. This design is a representation of a complete unified data center architecture. The terms represented in this figure correspond to products and technologies in the Cisco UCS 6100 Series Fabric Extender, Cisco Nexus 5000 Series Switches, and Cisco Nexus 7000 Series Switches.

Virtualization

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