



The freedom of virtualization

Children's Hospital Colorado needed its data center to do more — while taking up less space, time and staff. Virtualization was the answer.

“ Cisco has given us the ability to easily scale, and I wouldn't be surprised if the hospital was now able to grow much faster. ”

— Rick McIntosh, manager of systems infrastructure at Children's Hospital Colorado

Case Study | Children's Hospital Colorado

Size: 4000 Employees

Location: Aurora, Colorado

Industry: Healthcare



Business

“ Our last-minute changes would have been impossible if Cisco wasn't such a committed technology partner. ”
– Rick McIntosh, manager of systems infrastructure at Children's Hospital Colorado

Hospital server crashes and vital patient info disappears

No worries. IT gets a replacement up in minutes. Doctors don't notice a thing.

In healthcare, a faulty server can be more than an inconvenience. It can prevent a doctor from treating a patient. That's why Children's Hospital Colorado turned to Cisco® Unified Data Center solutions.



Great agility

New flexible datacenter lets IT staff respond to customer needs quickly



Freedom to innovate

50% of the staff are now free to pursue other high-value initiatives

Unified computing gets the most out of virtualization

With Cisco Unified Data Center solutions, if a server fails, just drop another blade in, apply the replacement template, and have an identical server up in no time.



The hospital's more compact, energy-efficient environment reduced cooling and electrical costs by approximately 40%.

There are no limits

In two years, 4000 virtual desktops will drive the hospital's fast growth.



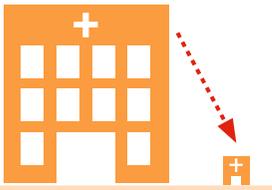


Technical

“ The RAM density of Cisco UCS, with the performance of Microsoft Hyper-V and speed of the Cisco fabric, delivers extraordinary performance. ”

– Rick McIntosh, manager of systems infrastructure at Children’s Hospital Colorado

Making the complex run smoothly and simply



Children’s Hospital Colorado has a data center that runs 350 applications (many unique to medicine), an internal cloud, a disaster recovery site, and more. The hospital’s servers were already virtualized. But they sapped too many resources and took up a ton of room. With Cisco’s solutions, the hospital reduced its physical footprint to one-sixth the original size.

A better, more unified approach

After considering several options, Children’s Hospital Colorado chose Cisco Unified Data Center solutions with Cisco Unified Computing System™ servers and Cisco Unified Fabric. To virtualize the new data center, the hospital adopted Microsoft Hyper-V Server 2012.

Thanks to Cisco, the hospital can:

- Improve performance of Microsoft SQL Server, Microsoft Exchange, Citrix, and other Microsoft Windows-based applications.
- Employ streamlined infrastructure that greatly reduces cabling and management.

The number of servers the hospital can now provision in one day.

50



100

Amount of guests served by 12 servers—twice the number previously supported.

