



## Data centers that deliver

Success today depends on innovative applications and the infrastructure that supports them.



## Principles of integration

“Progressive companies view integrated systems as a means to optimize their IT environments ... to increase workforce productivity, drive revenue opportunities, and connect with their customers.”

– IDC\*

Organizations thrive when applications and information move faster. But most IT staffs spend 70 percent of their time just maintaining existing systems—leaving only one day per week for initiatives that create competitive advantage.

At Cisco, our objective is to flip that ratio. Our integrated infrastructure and IT solutions help you simplify application delivery and automate infrastructure—today and for the long run—enabling your IT team to focus its expertise on the work that matters most.

\*The Business Value of Cisco UCS as a Platform for SAP HANA and Other SAP Mission-Critical Applications, IDC, Sept. 2014.



Cisco UCS®  
with  
Intel® Xeon®  
processors

70% of IT resources are spent maintaining existing systems.

The graphic consists of a large blue rectangular area. Inside this area, the text "70%" is written in a large, white, sans-serif font. To the right of the percentage, the text "of IT resources are spent maintaining existing systems." is written in a smaller, white, sans-serif font. The background of the blue area is a repeating pattern of small, light blue human icons.



## Performance, efficiency, and flexibility at any scale



### Applications

Whether you run traditional applications or intensive analytics, Cisco Unified Computing System™ (Cisco UCS®) Integrated Infrastructure delivers enhanced user experience, performance, and security so that your organization can operate effectively anywhere, anytime.



### Operations

With automated management processes; the choice of private or hybrid cloud deployment; and pretested configurations that integrate computing, storage, network, and application capabilities, our platform simplifies your IT design, deployment, integration, and operations.



### Ecosystem

Our solutions incorporate technologies from both Cisco and the world's leading software and storage companies. Plus, we test and validate critical business and data management applications so that you can deploy them with confidence. And our consolidated support can give you quick, consistent service for major issues when you need it most.

Tame big data through integration.



“To get the insights customers want for their data, customers will need an infrastructure designed to handle the largest data clusters. With the ability to scale up to 10,000 UCS-based systems, no one has that area covered as well as Cisco does.”

– Pete Schlamp, vice president of products at Platfora, Feb. 24, 2015.



### Making sense of the expanding data universe

Billions of devices generate trillions of gigabytes of data each year—invaluable information to help you improve operations, products, and services. And according to IDC, the data generated annually will increase fifteenfold by 2020. Fortunately, data management, integration, and analytics technologies are capable of organizing and processing extensive data clusters across distributed hardware.

And that’s where the Cisco UCS comes in, offering cost-effective, highly scalable infrastructure—up to 10,000 integrated systems—to support your long-term data analytics no matter how large your system grows.

“Five Must-Haves for Your Big Data Infrastructure”

**Learn more >**

“Explore Big Data with Cisco UCS”

**Learn more >**

Increase business impact with SAP HANA and Cisco.



### Partnering for greater impact

SAP developed SAP HANA, a comprehensive in-memory database, to help enterprises analyze and process immense streams of data in near-real time rather than in days. We partner with SAP to deliver an infrastructure that augments SAP HANA's capabilities and provides tight integration with enterprise systems, easy scalability, and centralized management. These features help improve operational and fiscal outcomes for your applications data center team and your company overall.

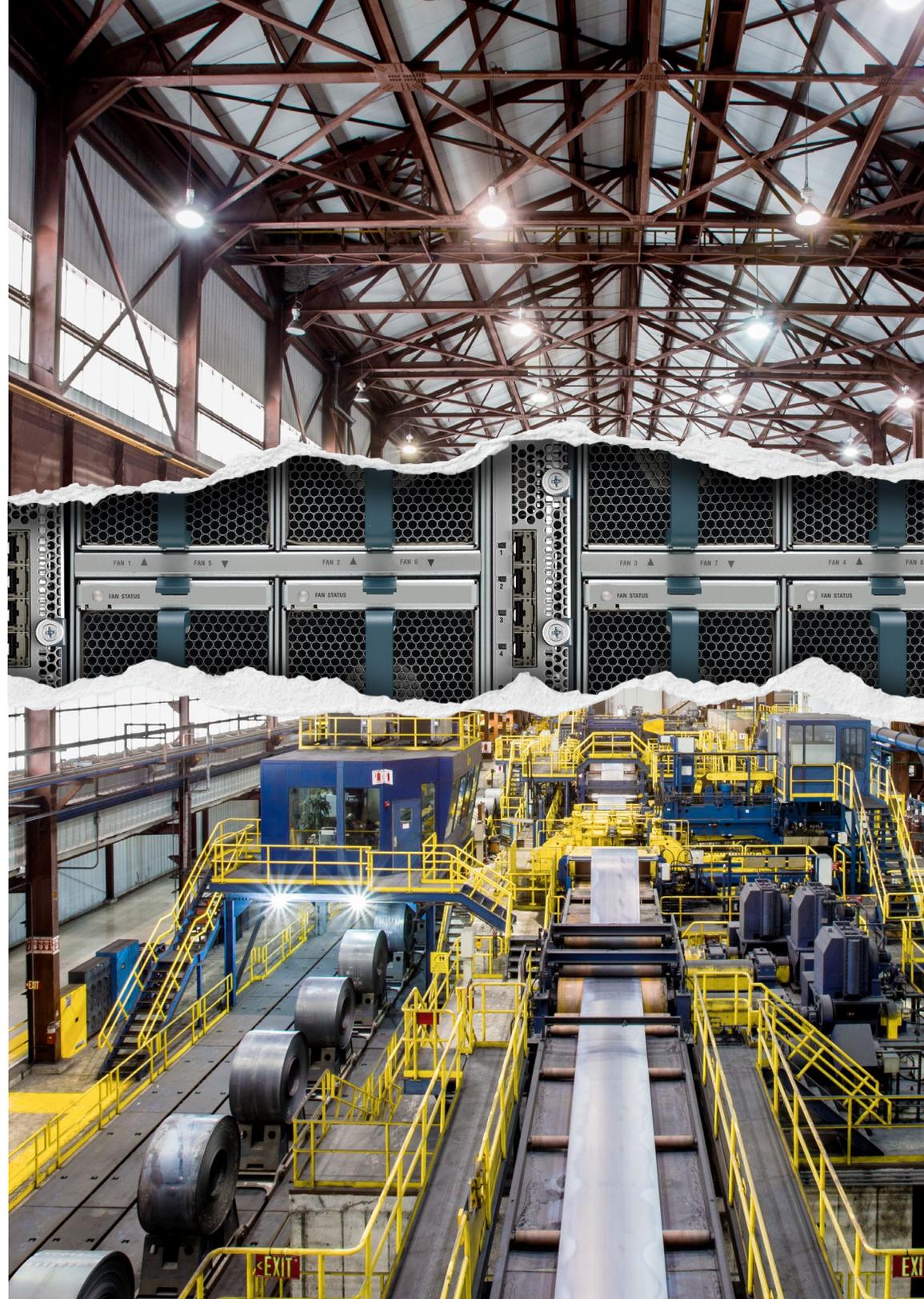
**A recent IDC study\* found that SAP HANA running on Cisco UCS produced the following benefits:**

- **Staff time for server deployment:**  
↓ 83.8 percent
- **Staff time for server management:**  
↓ 68.4 percent
- **Staff time lost due to hardware downtime:**  
↓ 96.3 percent
- **Five-year total business benefit: \$4.79 million**
- **Five-year ROI: 368 percent**
- **Payback period: 10 months**

*SAP HANA Tailored Datacenter Integration Option*

[Learn more >](#)

\*The Business Value of Cisco UCS as a Platform for SAP HANA and Other SAP Mission-Critical Applications, IDC, Sept. 2014.



Increase business impact with Microsoft and Cisco.



“The integration with Microsoft Cloud OS and UCS is really remarkable. Literally you have a common way to automate everything.”

– Brad Anderson, corporate vice president, Microsoft, Nov. 2013.



### Streamlining the cloud with enhanced Microsoft applications

The cloud now gives your organization unprecedented agility to roll out applications efficiently and cost effectively, whether you’re running private, public, or hybrid environments. That’s why we partner with leading software providers like Microsoft to deliver solutions that simplify and automate processes and management across your data center.

For example, FlexPod combines Microsoft Windows Server 2012 R2 and System Center 2012 R2 with Cisco UCS and NetApp storage to deliver a scalable private cloud that efficiently deploys services to users while reducing overall IT costs. We’re also working to optimize the performance of the company’s most popular enterprise applications, including Microsoft SQL Server and Exchange Server.

Whether you’re using Microsoft’s operating system, hypervisor, cloud management software, or public cloud service, you can count on Cisco and Microsoft to take the performance of your cloud to a higher level.

“Unleashing IT: Microsoft Special Edition”

**Learn more >**

*Cisco in Your Data Center: The Optimal Infrastructure for Microsoft Environments and Applications*

**Learn more >**

Be productive anywhere.



“We aimed for a best-in-class integrated solution and that is what we have. We’ve been able to deploy a VDI [virtual desktop infrastructure] solution that everyone is happy with, without any loss in performance.”

– Paul Bauwens, information and communications technology architect, Meander Medisch Centrum



## Your workspace anyplace you go

Working with Citrix and VMware, we deliver desktop virtualization that enables employees to work transparently using any device from the office, home, or road—wherever they’re most productive. The solution also simplifies life for your IT team, helping team members efficiently manage security, deployments, upgrades, and integration for infrastructure, applications, and user devices.



“Desktop Virtualization Solutions Overview”

**Watch the video >**

*Streamlining Deployment and Management of Desktop Virtualization: The Case for Integrated Infrastructure*

**Learn more >**

Scale without complexity



“Among the biggest benefits of FlexPod are integrated components that help enable us to centrally manage all our data center requirements... We’re thrilled to have a more scalable solution that will allow us to respond quickly and accommodate our ongoing rapid growth well into the future.”

– Darrell Williams, director of information systems, Katz, Sapper & Miller

### Accelerating the journey to the cloud

Together with NetApp, we’ve created FlexPod, a prevalidated, integrated infrastructure design that helps you deploy systems faster and better control the costs and risk of new IT projects. FlexPod enables you to easily implement solutions already optimized for private and hybrid clouds, mission-critical applications, and technology transition points, reducing ramp-up time from months to weeks. And because the solutions are prevalidated and highly resilient, you can operate with little business disruption.

“Data Center Solutions for Midsize Businesses”

[Learn more >](#)

“Unlock the Potential of Your Applications”

[Watch the video >](#)



## Data center transformation the right way



### With industry best practices and expertise to put it all together

The demands on IT departments are multiplying: Continually upgrade systems, securely deliver reliable business applications, convert data to real-time intelligence, all while simplifying operations and controlling costs. It's a Herculean task for any organization. So we make it our business to help your business accomplish the impossible.

Rather than treating application, compute, storage, network, and cloud requirements separately, we address your needs in a holistic fashion. Our unique strategic approach creates an optimized environment to unlock your organization's full competitive potential and drive positive business outcomes such as reduced cost and accelerated time to value.

*The Total Economic Impact of Cisco Data Center Optimization Services*

[Learn more >](#)

"Cisco Domain Ten: Framework to Transform IT"

[Watch the video >](#)





## Cisco UCS Integrated Infrastructure



### Orchestrating a better data center

Both Gartner and IDC recognize Cisco as the leader in integrated infrastructure, based in part on our strong collaboration with industry-leading storage vendors to create the following solutions:

- **FlexPod with NetApp**
- **Cisco® solutions for EMC VSPEX**
- **VersaStack with IBM**
- **UCP Select with Hitachi Data Systems**
- **SmartStack with Nimble Storage**
- **Vblock with VCE**

In addition, Cisco UCS Director software reaches beyond computing, storage, and network resources to support rapidly changing requirements. Today's infrastructure must have orchestration and automation to tackle tomorrow's challenges. To help you accomplish the near-impossible, you can now easily purchase and upgrade our entire suite of data automation software under a single license with Cisco ONE Software bundles.

"Top Five Reasons to Deploy Cisco UCS"

[Learn more >](#)

"Cisco ONE Enterprise Cloud Suite: Let Your Business Soar"

[Watch the video >](#)



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