



Next-generation infrastructure

Agility, scale, and resilience for what's next



Modernizing your IT doesn't mean moving your on-premises legacy infrastructure to a single public cloud environment. Rather, it's about using next-generation infrastructure products and services to accelerate your technology transformation, including adapting to market conditions, supporting your sustainability goals, and preparing for the emergence of AI/ML.

Upgrade with next-generation infrastructure

Start with small changes, working iteratively to achieve quick, measurable outcomes across your people, processes, and technology. This approach helps you scale fast and realize the value in days and weeks, not months or years.

However, knowing which applications and infrastructure to modernize can be complex. The answer can vary depending on your organizational structure, IT environments, and business objectives. Consequently, your next-generation infrastructure strategy must be uniquely designed to meet both your current and future needs.

Determine your drivers for change

Evolving your existing IT applications requires a clear understanding of your business, technology, and architectural needs, such as:

- Reducing upfront capital expenditure and lowering ongoing costs.
- Enhancing scalability, elasticity, and sustainability.
- Accelerating your time-to-market.
- Ensuring security and compliance.
- Improving customer experiences.
- Integrating next-generation technology.
- Leveraging AI/ML capabilities.

Transformative solutions for any organization

Investing in next-generation infrastructure is vital for meeting the needs of your customers and your employees. No matter where you are in your journey, partnering with SHI makes it easier for you to realize your infrastructure modernization ambitions so that your business is ready to tackle the challenges of a rapidly changing digital world.

Explore the next generation of products and services in the following areas:



Hybrid data center

Connect and share data, workloads, and apps across physical data centers and multi-cloud environments.

- Hyper-converged infrastructure (HCI)
- Storage and data protection



Networking

Get fast, secure, and robust connectivity from your on-site and hybrid teams to your customers.

- Enterprise networking
- Advanced monitoring and observability
- Software-defined data center (SDDC) and networking



Integrated data center solutions (IDCS)

Eliminate supply chain risk with SHI's data center infrastructure manufacturing services.

- Design, procure, build, validate, test, and deploy your solution into your data center
- Provision your data center
- Reduce build costs by 30 percent



Cloud infrastructure

Securely extend your on-premises and public clouds to transform your IT infrastructure.

- Cloud adoption and engineering
- Cloud operations and managed services
- Multicloud
- Application modernization



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Solution benefits

SHI's next-generation infrastructure solutions will:

- Eliminate supply chain risk and lower cost of operation.
- Seamlessly deploy new technologies and future-proof infrastructure.
- Improve infrastructure scalability, elasticity, and sustainability.
- Lower latency and increase performance.
- Keep your organization, users, and data safe.
- Ensure regulatory compliance, PUE, and more.

SHI expertise and accolades

- Certified hardware and software technicians and engineers across Nvidia, Pure Storage, Dell, HPE, and more
- 1000+ certifications across Amazon Web Services, Microsoft, and Google Cloud Platform
- Nvidia-certified installer of DGX appliances
- 2023 Microsoft US Partner of the Year for Modern Work, Surface PC Reseller
- 2023 Cisco Security Partner of the Year – Americas

Stay ahead of what's next

Modernizing with next-generation infrastructure isn't one-size-fits-all. Whether you have well-defined plans or are still exploring areas of focus, SHI works alongside your teams to fully understand your IT environment and infrastructure.

Our experts evaluate your pain points and obstacles to determine the best path forward for your next-generation infrastructure journey.

You can expect quick wins, a long-term strategy, and reduced downtime risks, giving you and your IT teams peace of mind.

How we've helped businesses modernize their infrastructures



Hospitality: A premier U.S. mountain resort

- Built data center infrastructure using Azure public cloud over multiple environments
- Seamlessly launched applications, reducing provisioning time for underlying infrastructures
- Managed lifecycle of cloud infrastructure as code



Research: A U.K.-based healthcare research firm

- Built physical network infrastructure in its own environment
- Deployed and installed new data center and network infrastructure
- Rolled out wireless and voice elements after completion of the LAN deployment



Life sciences: A global solutions provider

- Seamlessly migrated to VMware Cloud on AWS
- Eliminated the need to refactor applications
- Leveraged existing VMware skillset



Government: A local state county

- Completed data center overhaul to improve performance
- Expanded storage capacity for better agility and reliability
- Upgraded wireless network to help with phone system

Why SHI

SHI is a top-three partner across leading public cloud hyperscalers, hosted data center providers, on-premises infrastructure vendors, and observability, automation, and security providers. We deliver end-to-end services that enable you to run virtually any workload in the cloud, on-premises, or at the edge.

Let's talk about how SHI's next-generation infrastructure technicians and engineers can help turn your ideas into outcomes.

Learn more: <https://www.shi.com/solutions/next-generation-infrastructure>

