Lenovo
Cloud Solutions for Azure

Hybrid Cloud
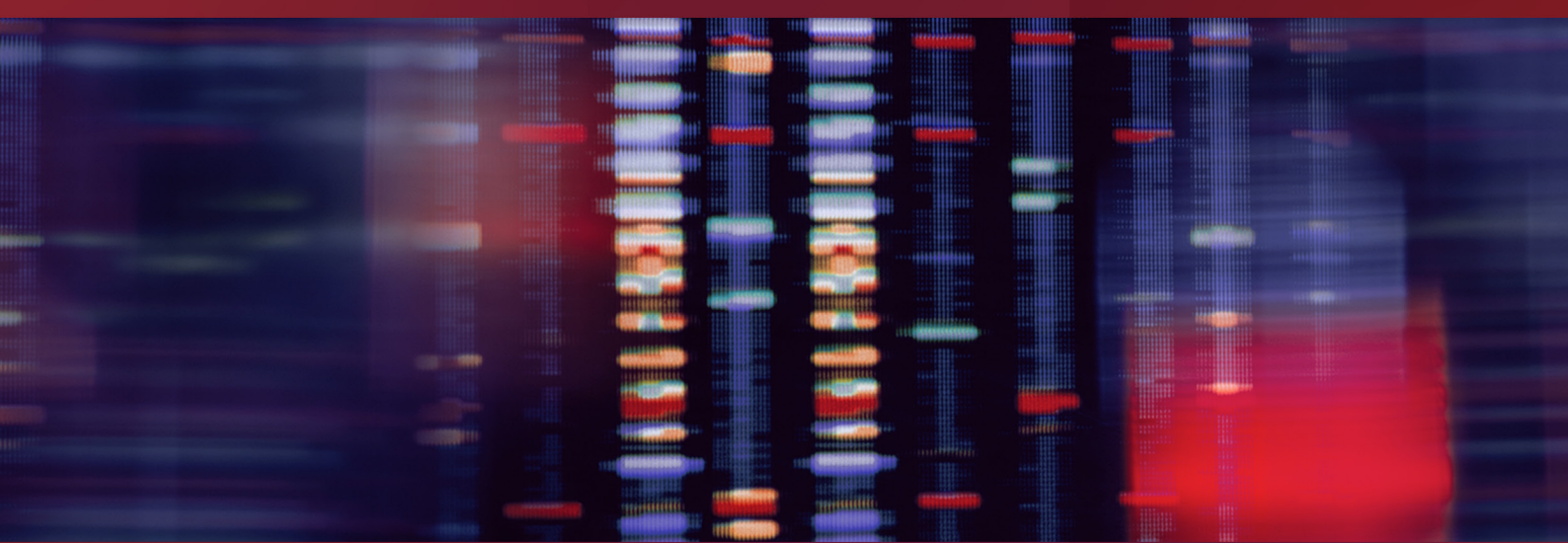
Smarter technology for all

Lenovo

Microsoft

Azure Hybrid Cloud

The flexibility to choose the best pathway for your business continuity

Lenovo's approach to delivering resilience combines the strength and performance of on-premises hardware with the security, scale, flexibility and failback of the cloud.

Hybrid cloud enables:

Digital transformation – modernize your IT infrastructure through public cloud migration, without compromising legacy applications or compliance factors.

Disaster recovery – replicate on-premises workloads, and back up data in the cloud, with workloads failing over to the cloud in the event of data center disruption.

Fast and cost-effective app development and testing – with the public cloud, there's no need for additional on-premises hardware.

Analytical queries – use powerful public cloud services to run periodic queries on locally stored data.

Highly changeable workloads – an excellent option for a transactional system with significant seasonal demand spikes.

The power of enterprise computing, without the enterprise-level investment

Whatever size your business, hybrid cloud is an enabler of innovation, opening up opportunities presented by advanced technologies – such as **Azure Stack HCI** (hyperconverged infrastructure).
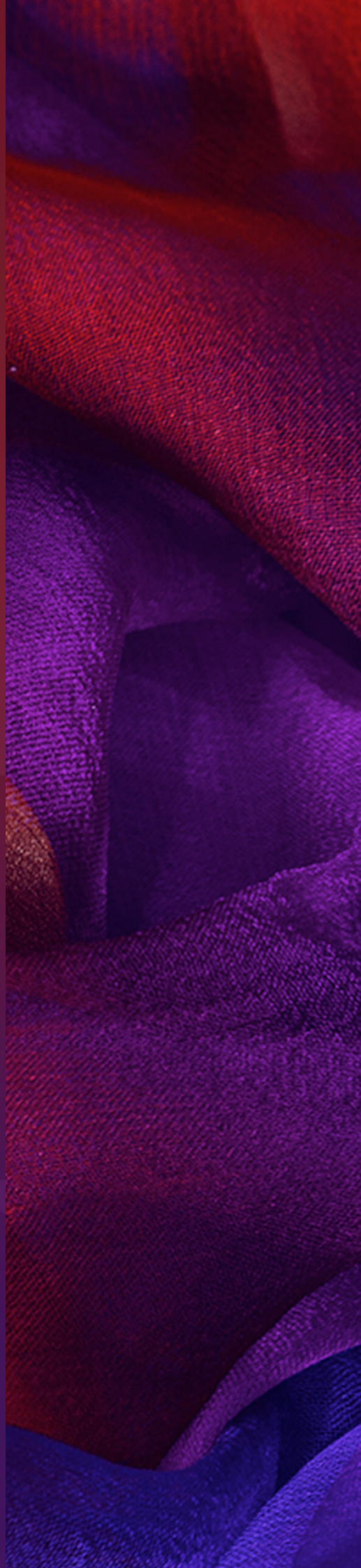
Supporting workloads hosted on-premises, Azure Stack HCI improves performance while reducing data center complexity.

It's a software-defined, unified system that combines secure storage, computer, network, and management, and gives a single view of your whole environment – on-premises and in the cloud.

Run Azure Stack HCI on energy-efficient Lenovo hardware

Lenovo **ThinkAgile MX Series Servers** make Azure Stack HCI solutions simple to implement. MX Integrated Systems and Certified Nodes enable you to modernize your on-premises infrastructure quickly and easily.

You get proven, optimized performance, and reduced downtime with industry-leading x86 server reliability (ITIC). Azure Stack HCI running on Lenovo hardware will increase scalability, while lowering your costs, boosting availability, and simplifying operations.

One vendor,
multiple solutions

Lenovo Cloud Solutions for Azure means end-to-end capability – a single vendor for on-premises hardware, cloud and edge computing, tech support, and managed services.

It also means your chosen solution is affordable. **Lenovo TruScale Infrastructure Services** gives you all the power and strategic advantage of the latest data center hardware through a pay-as-you-go business model.

Easily scale without incremental capital investments and focus more on your bigger picture, thanks to included 24/7 proactive monitoring, management, and services.

One vendor, simplified billing. And by moving from a CapEx to an OpEx model, you can refocus your budget from simply maintaining infrastructure to driving the business forward:

- **Modernize at your own pace**
  Migrate applications at the pace that makes sense for your business.

- **Maintain regulatory compliance**
  Use private and public clouds, while adhering to regulatory requirements or data residency laws.

- **Run apps on-premises**
  Regulate applications that need to remain on-premises to be closer to your customers, or mainframe systems that are difficult to move to the cloud.

- **Run apps at remote edge locations**
  If your industry demands edge hybrid computing for low latency, such as kiosks in retail or networks in telecom, a hybrid approach is ideal.

- **Stay secure**
  Data in the cloud is automatically protected by Azure's stringent security protocols.

Azure Hybrid Cloud:
resilience and sustainability

Hybrid cloud provides a second 'remote' site, without the expense or environmental impact of replicating your existing infrastructure. By reducing and virtualizing the number of on-premises physical servers, you'll achieve a cost saving and a smaller CO_2 footprint.
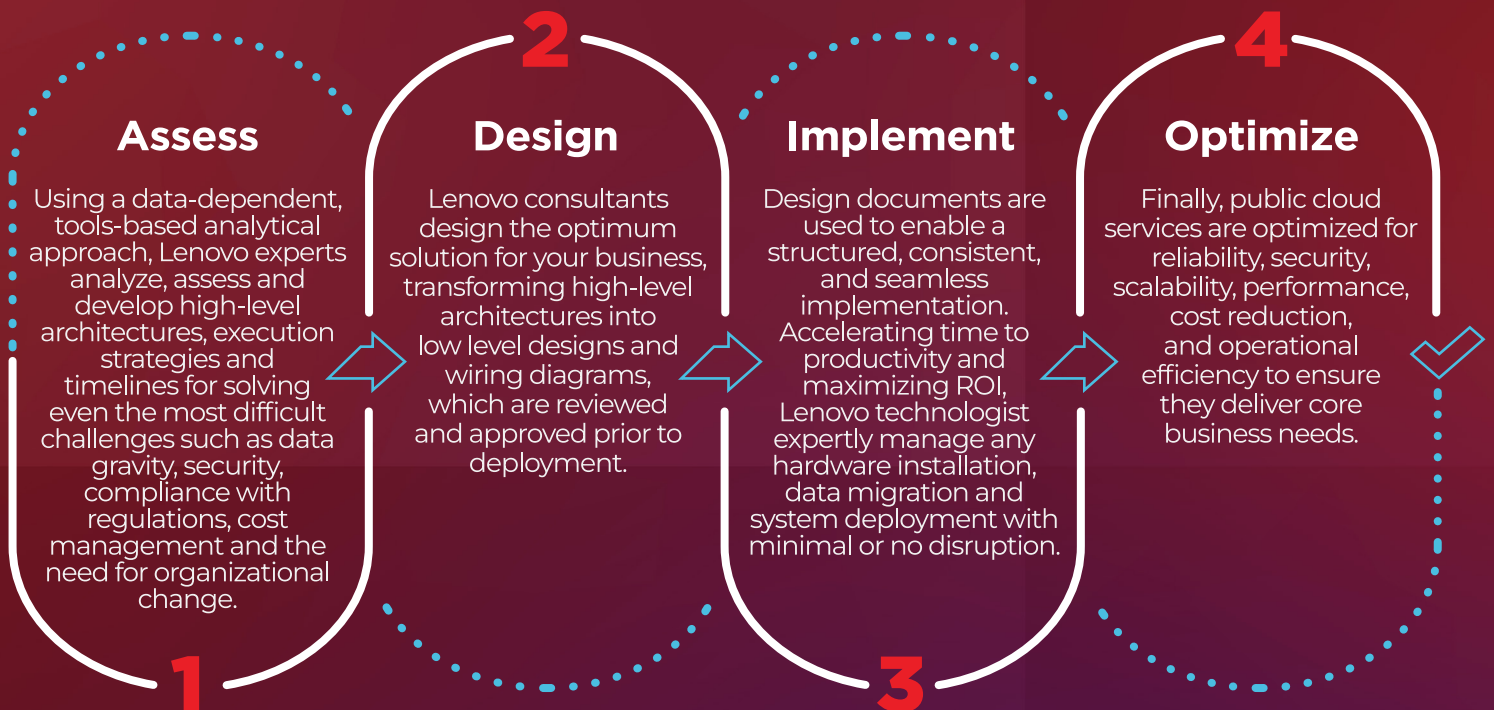
How do we make it happen?

Lenovo Professional Services will help you understand your options and choose the best path to achieve your business and strategic goals in the cloud.

Our professional services are designed around a simple outcome-based scope, pricing, and deliverables model. We expertly deliver software, services and hardware, taking care of migration, so you can take care of your business.

What's the plan?

A 4-stage engagement model applies to all Lenovo Cloud Solutions for Azure:

Assess
1

Using a data-dependent, tools-based analytical approach, Lenovo experts analyze, assess and develop high-level architectures, execution strategies and timelines for solving even the most difficult challenges such as data gravity, security, compliance with regulations, cost management and the need for organizational change.

Design
2

Lenovo consultants design the optimum solution for your business, transforming high-level architectures into low level designs and wiring diagrams, which are reviewed and approved prior to deployment.

Implement
3

Design documents are used to enable a structured, consistent, and seamless implementation. Accelerating time to productivity and maximizing ROI, Lenovo technologist expertly manage any hardware installation, data migration and system deployment with minimal or no disruption.

Optimize
4

Finally, public cloud services are optimized for reliability, security, scalability, performance, cost reduction, and operational efficiency to ensure they deliver core business needs.

Azure Hybrid Cloud in detail

1

The first step in your Hybrid Cloud business continuity and disaster recovery assessment is to discuss your current solution, challenges, future requirements and long-term needs, including backup, storage, monitoring and management.

You'll then get best-practice recommendations for a suitable solution in a backup and DR recommendations document. That will include cost estimates based on workload, storage and rate of change estimates provided by you.

2

The next step is to create a detailed Azure Hybrid Cloud design documentation. This is to protect your workloads – whether on-premises or in the cloud – and support your business continuity plan.

3

You have the design, now you need to build it. Lenovo's service provides accelerated implementation of your Azure Hybrid Cloud solution to protect your business workloads. Transition to go-live, and post-implementation support are part of the service.

The Azure Hybrid Cloud Implementation service is a follow-on exercise from the Azure Hybrid Cloud Design service, and provides a fully deployed Azure Hybrid Cloud solution as per designed specifications.

4

Finally, when your services go into production mode, the focus shifts to delivering operational excellence across training, reporting, costs and security.

And we look back at your cloud readiness to confirm that your organization has matured, and to find areas to improve further.

The process at a glance

Assess your existing infrastructure, and see how the solution compares.

Set out costs, scaling and performance benefits of moving to hybrid cloud.

Build an effective strategy and business plan.

Create a detailed blueprint for the build and configuration of your accelerated deployment into Azure.

Transition to go-live and post-implementation support.

Optimize for reliability, security, scalability, performance, and cost.

Next steps

Learn more about Lenovo Cloud Solutions for Azure, and how Lenovo Professional Services can smooth your journey to the cloud and beyond.

Talk to your Lenovo Representative today, or visit www.lenovo.com/azure-cloud and learn more about our Azure Cloud Solutions.

Lenovo

Smarter
technology
for all