



Ready to deploy: Azure Stack Edge



Technical specifications

- Local cache up to 12 TB
- Cloud capacity: 10 PB
- AES 256-bit encryption
- 1U rack mount server
- 2 CPUs, 10 cores each
- Network interface: 4x25 GbE SFP+
- Brainwave powered Intel FPGA for accelerated ML
- Access interface: SMB/CIFS and NFS

Custom hardware partners

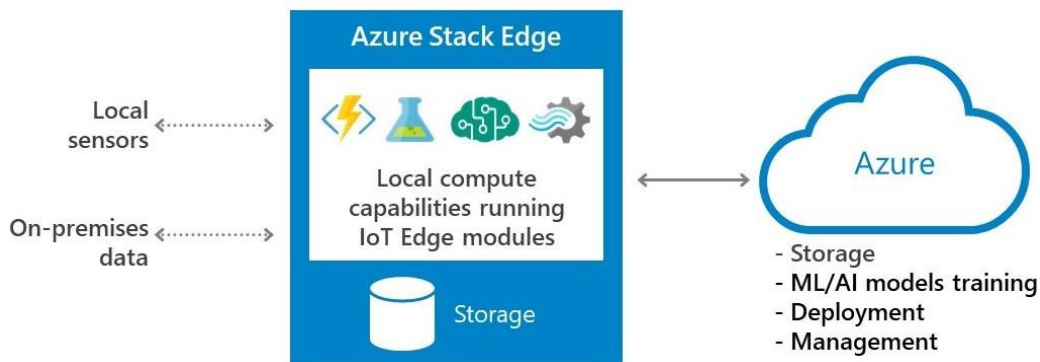


Reliable, scalable, and optimized AI-powered solutions at the edge

With Neal Analytics intelligent edge solution powered by Azure Stack Edge, customers can leverage the power of AI even when a direct cloud-based option is not possible.

For scenarios with latency, bandwidth or even connectivity constraints, Neal analytics offers a hardware and software-optimized option to harness the power of AI at a local level while still leveraging the Microsoft Azure cloud-platform capabilities in a scalable and cost-effective way.

The solution is delivered as a flexible managed service delivery model and builds on existing machine learning models and use case templates to accelerate timelines while reducing project risks.



What is Azure Stack Edge?

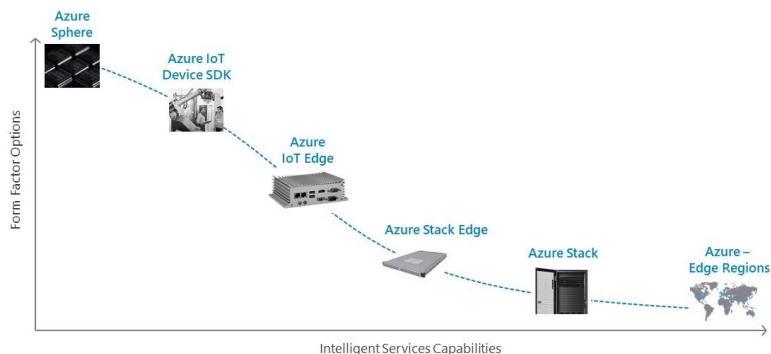
Azure Stack Edge brings the power of Azure cloud to a local and ruggedized server that can be deployed anywhere local AI and other advanced computing tasks need to be performed.

It can be used from real time processing of videos (e.g. local security systems) or speech (e.g. call centers), to running advanced Machine Learning models anytime it is not technically or economically viable to do it directly on the cloud. This solution allows companies to deploy containers running Azure technologies such as Cognitive Services, Machine Learning, and more, directly on this local server.

Selecting the right Intelligent edge solution to your business problem

When a business needs advanced analytics, machine learning, or AI capabilities to solve a business problem and cannot, for multiple reasons, use a pure cloud solution, a spectrum of options are possible.

Local servers leveraging container cloud technology, such as Azure Stack Edge, are a great option when both flexibility, cost effectiveness and processing power are required.

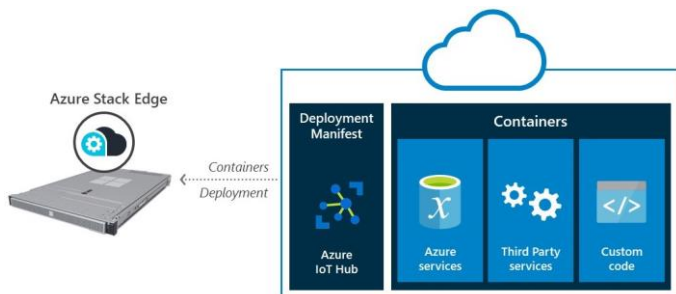


Reliable AI

When cloud latency, connection reliability, bandwidth, or even data privacy makes using cloud AI services a non-viable path, the only option is to run these services at the edge, close to where the solution can help the business in a reliable way, regardless of outside network issues.

Scalable AI

Built on the same core cloud platform that powers the Azure cloud, solutions built on Azure Stack Edge will leverage its computing (including the support for AI and other containerized services) and storage capabilities. The boxes are seamlessly managed through the same tools, including ML model training and deployment.



In addition, local capabilities can scale by simply adding additional boxes where they are needed. The simple and low-cost rental model of Azure Stack Edge makes it easy to deploy and scale as needed.

Optimized AI

Leveraging its Azure and AI experience, Neal Analytics has been able to build machine learning and AI models that can fully leverage the hardware acceleration capabilities of Azure Stack Edge.

By combining its flexible engagement model, its AI/ML templates and accelerators, and its recognized expertise, Neal Analytics will optimize the solution to maximize results while minimizing hardware cost.


The Neal Analytics Advantage

Neal Analytics can help you throughout your transformation journey with a comprehensive set of consulting services from business, to cloud, and analytics.

It is delivered as a flexible managed service offering. The composition of the engagement team adapts with the project needs for a specific phase. This team is staffed by seasoned business consultants, program managers, architects, data engineers, and data scientists.

The delivery model uses a modern, proven, and flexible approach based on the agile software engineering model. It ensures consistent and measurable results throughout the project.



11911 NE 1st Street, Suite 206, Bellevue, WA 98005
(425) 822-2332 - contactus@nealanalytics.com - NealAnalytics.com
[LinkedIn.com/company/NealAnalytics](https://www.linkedin.com/company/NealAnalytics)  [@NealAnalytics](https://twitter.com/NealAnalytics)