Hyperconverged/HCI Solutions

A more agile, cloud-like datacenter is something customers strive for in their day-to-day operations. Solutions based on a virtualized Hyper-Converged environment delivers a simplified compute, networking and storage environment that is easy to deploy, manage and expand in a Hybrid IT environment.

Application Modernization

Almost every company in all areas of business, who offers products and /or services is having to go through a modernization of their processes and applications to be able to compete in a very fast changing market. The need to engage customers and internal users, better and faster, requires them to adopt : 1- new application development methodologies and 2- new application hosting paradigms. These new methodologies for continuous integration and delivery of new applications (CI/CD), are also relying on modern Microservices programming methods, and now are being hosted on frameworks called Containers (of which Kubernetes is the de-facto standard), the combination of all these pieces are a foundation for the Cloud Native offering. Additionally, a very important component in this modernization process is IT Automation, which refers to broad range of technologies that reduce manual intervention in IT common processes.

Distributed / Hybrid Cloud

In the age of digital transformation, companies have turned to hybrid & distributed cloud computing architectures. With these architectures, customers are able to choose which data and applications will be kept private and which ones will be handled by third-party services. To put it simply, a hybrid cloud leverages both on-premise and off-premise IT resources, while a distributed cloud extends cloud services to the edge.

These models include a variety of benefits, such as:
• Better support for a remote workforce
• Reduced costs
• Increased agility and scalability
• Better security controls and analytics

Edge Computing

Edge computing describes a distributed computing topology in which data storage and processing are placed close to the things or people that produce and/or consume that information. Drawing from the concepts of mesh networking and distributed computing, edge computing strives to keep traffic and processing local and off the center of the network. Edge balances latency requirement and the bandwidth required for an application, allows for autonomous operation, enables the placement of workloads and data that satisfies regulatory/security demands.

AI: Beyond Analytics

AI / ML, Big Data & Analytics solutions power informed, data-driven decisions regardless of users' skill levels. These solutions can be used in Inventory, Purchasing, Preventative Maintenance, Healthcare Management, Financial Investments, Energy Consumption, Retail Cross/Up sales, Manufacturing Optimization, Knowledge Management and the like. It leverages compute power to accurately perform repetitive tasks at near instantaneous speeds, far exceeding human capability otherwise. It allows system/human interactions via natural language rather than by the use of coding. It's the next generation of Human/Computer engagement!

Disaster Recovery & Business Continuity

In today's data centric world, protecting and recovering your data is one of the most crucial aspects of every business. Whether due to human error, natural disaster, or malicious hackers, data is vulnerable and must be protected. Today's Disaster Recovery and Business Continuity solutions allow customers to protect more data, recover quicker and more efficiently - with less cost - in the cloud or via on-premise solutions.

Next Generation Storage Solutions

Storage vendors are redefining the way storage is utilized and deployed. Technologies such as NVMe and Software Defined Storage are allowing businesses to prepare their data for the Cloud and Hybrid era. Freeing data from its hardware limitations, companies can increase efficiencies while cutting costs and meeting business goals.

High Performance Computing / HPC

High-performance computing (HPC)is the ability to perform complex calculations and process large amounts of data at high speeds. Scientific discoveries and major life changing innovations have been propelled by HPC environments. Technologies such as AI, 3D imaging, IoT and live streaming media use HPC because of its ability to process large amounts of data in real time. The next generation of processor compute power is Quantum Computing.

Digital Workspace

IDC reports an average employee spends 2.5 hours per day searching for data and applications to get their work done. A unified workspace simplifies the experience of employees accessing their apps and data in one central platform. It provides a single interface where individuals can securely access all of their SaaS and web apps, corporate data and files, and virtual apps and desktops—and provides a high quality, consistent user experience regardless of the user's device, location, or network.

Contact data-center@ingrammicro.com to learn more.

INGRAM MICRO®