

The background of the entire slide is a dynamic, abstract composition of numerous overlapping, curved bands. These bands create a sense of depth and movement, resembling a stylized, multi-colored vortex or a series of flowing ribbons. The color palette is rich and varied, including deep reds, vibrant oranges, bright yellows, and cool blues, all set against a dark, almost black, background.

# ACUUTECH MESH

## Features Introduction



# WHY ACUUTECH

Acuutech are world renowned, industry leading experts; delivering state of the art services that operate in partnership with your existing systems, keeping you in control.

Our staff have a wealth of experience, with over 25 years of building complex on-premise, hybrid and cloud end-to-end solutions.

The team were some of the first pioneers, in the late nineties, of the technologies and systems that ultimately formed the concepts we now call “cloud computing”. As such, we understand the complexities and challenges involved in pulling together the multiple layers within an IT solution.

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These challenges go from the hardware through to end-user interaction, and Acuutech understands that each component within the system has a direct effect on the others.

For this reason we don't silo sub-systems. We evaluate and build solutions as a holistic system, keeping in mind the core deliverable; an effective and efficient solution that enhances our clients businesses.

Acuutech combines its highly-advanced engineering capability and skills in next-generation technologies, with a trusted customer engagement model to deliver turnkey solutions that meet customers needs across on-premise, hybrid and cloud solutions.

## INDUSTRY LEADERSHIP AND COLLABORATION

As a result of the respect we have generated within the industry, the team has direct access to and input into future technologies and solutions of Microsoft and leading hardware and component vendors. This allows us to engage in system design and architecture; not only knowing where best of breed technology is today, but also where it will be in the future.

As part of our ongoing industry leadership, Acuutech staff regularly represent Microsoft and our industry partners through a range of media channels. Driving thought leadership in advanced, emerging technologies and solution design.

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Driving thought leadership on advanced technologies and solution design

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## CUSTOMER NEEDS AT THE HEART OF OUR SOLUTIONS

Acuutech's range of services may be used in isolation or combined to provide an integrated solution that delivers the full spectrum of your organisation's IT requirements. By combining our infrastructure, application, business continuity and end-user access solutions we can empower you to deliver the IT platform that meets all your organisation's needs.



# ACUUTECH MESH

## TURNKEY, SERVICE PLATFORM

Organisations want an agile, cost-efficient and trusted IT infrastructure which is future-ready, rapidly scales with demand and facilitates their business growth.

A system which enables them to take full advantage of the latest in hyper-convergence, which comes equipped with a full range of external services such as cloud, applications, security, mobility, and business continuity, while being easy to manage.

Acuutech MESH is the answer. An extensive IT platform specifically developed for agile businesses, built upon the leading technologies of Microsoft Azure Stack HCI and industry leading OEM's. MESH is a proven, turnkey IT solution. Its deployment de-risks IT investment and enables organisations to get on with their core task...delivering business success.






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### Turnkey : Modular : Services Platform




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An integrated, turnkey, services platform providing a suite of services that empower your business through the power of on-premises, hybrid and cloud solutions. Its broad suite of modular mix and match services are easy to manage via a single management interface, removing the complexity of using disparate tools or control systems and come ready to go with full support and life-cycle management, including upgrades to new versions. All wrapped up in an easy to use consumption-based fee structure that allows you to change the services your organisations use as your requirements evolve.

#### Platform

-  Hyper converged appliance
-  Volume replication and failover
-  Application hosting platform
-  Software defined networking
-  VM Encryption and protection

#### Hybrid

-  Disaster recovery
-  Offsite backup
-  Hybrid-file server

#### Cloud

-  Infrastructure on demand (IaaS)
-  Virtual Desktop
-  Application Services on demand (PaaS)
-  Office 365 Productivity suite
-  Multi-factor authentication
-  Device management

# ACUUTECH MESH FEATURES

## PLATFORM

The root of the platform is the HCI hardware appliance, built on the foundations of the Microsoft Azure Stack HCI platform,. Available in various configurations and topologies, the platform delivers high-performance highly-available storage, networking and virtualisation to support your most demanding applications.

The platform supports a powerful range of bolt-on's to deliver functionality in key areas.

- **Volume replication** – Synchronous or asynchronous replication between two storage systems to enable fast system failover and disaster recovery.
- **Application hosting** – Services to assist with virtual machine creation and management, coupled with deployment of web-application runtime and services.
- **Software defined networking (SDN)** – Network segmentation and isolation, ideal for organisations wanting to separate tenants or business units.
- **VM encryption and protection** (service not available in all locations) – Encrypt and protect sensitive or secure VM's from the base platform (fabric), allowing secure workloads to be run on the same system as non-secure workloads, while still being protected and isolated, mitigating the risk of attack or threat. Removing the requirement for traditional solutions like; isolated "air gapping".

## HYBRID

Hybrid solutions extend the capabilities of your platform system, into the cloud to provide additional protection and data access solutions.

- **Managed Disaster Recovery** – Fully managed DR solution, from on-premises to the cloud. Full design and configuration of failover (recovery) plans, data replication monitoring and application failover testing is included.
- **Off-site backup to Azure** - VM level backup of Acutech HCI appliance, Windows VM, VMWare or bare metal systems, unlimited retention period, coupled with flexible backup snapshot intervals
- **Hybrid File Server** (service not available in all locations) - Make any file server share available over the Internet or archive rarely used files to Azure, saving local space, while still displaying the full content of the folder to users.



## CLOUD

Leverage the benefits of key cloud services, configured solutions that have been curated and tuned to be simpler to use and manage.

- **Infrastructure on demand (IaaS)** - Flexible virtual machine and infrastructure services, simplified with support for multiple deployment locations; Azure IaaS or Acutech based IaaS on Microsoft Azure Stack.
- **Virtual desktop** - Azure hosted virtual desktop solution (Windows Virtual Desktop, WVD), supporting a wide range of VM types and configurations. Deploy any application, with support for GPU acceleration for graphics or compute intensive workloads.
- **Applications on demand (PaaS)** (service not available in all locations) - Enhance IaaS and Office 365 through support for PaaS database services and the Azure Marketplace; turnkey application templates from leading software vendors.
- **Office 365** - Full support for all Office 365 subscriptions, with migration, support and maintenance built-in.
- **Multi-factor authentication (MFA)** (service not available in all locations) - Provide additional challenge and response beyond a user's basic username and password.
- **Device Management** (service not available in all locations) - Control and manage your user's mobile device and desktop computers. Protect business-related data and applications while not effecting personal data or settings.

## UPGRADES AND FEATURE ENHANCEMENTS

Upgrades and feature enhancements are included for cloud-based services and on-premises platform capabilities.

With full support and life-cycle management of your users and systems, providing reliability today and into the future.

## FURTHER READING

- <https://www.acutech.com/industry-leadership/>
- <https://channel9.msdn.com/Events/Speakers/philip-moss>
- <https://www.youtube.com/watch?v=ZfN3Hr9BYOw>
- <https://customers.microsoft.com/en-us/story/bartonsystems>
- <https://customers.microsoft.com/en-us/story/what-makes-windows-server-2016-great-to-a-hosting-provider>





- Pay-as-you-go turnkey service, which instantly ramps up or down with demand
- Optimised to manage private ('on-prem'), public, and hybrid cloud solutions
- Pre-integrated with a wide portfolio of class-leading services, including security, compliance, mobility, disaster recovery, and backup
- Trusted Lenovo infrastructure and Microsoft software for reliable, efficient operations
- Highly efficient management and administration processes

[www.acuutech.com/mesh](http://www.acuutech.com/mesh)

