



# NVMesh<sup>®</sup> Server SAN for Cloud-Based Business Analytics

Customer Success: VIVAVO



*"Excelero's NVMesh has dramatically shortened the time it takes to complete analytics on large data sets – allowing us to accelerate the analytics process for our users, and making our solution far more competitive."*

Francis Au, CEO at VIVAVO





## Excelero enables VIVAVO's video analytics service to deliver customers valuable insights from on-site camera footage

Incorporated in 2006, VIVAVO is a leading Hybrid Cloud Service Provider in Asia Pacific, with operations and data centers in Hong Kong, Singapore and China. Vivavo has deep expertise in operating complex cloud infrastructures and is constantly investing to grow its cloud infrastructures and develop new cloud-based services. Vivavo's services include regional Disaster Recovery, High Availability and several online storage services including backup and archiving.

Vivavo's newest line of cloud services features a series of business analytics solutions, provided to mid-size enterprises directly and through its telco partners. The first analytics service to debut is the VIVAVO Video System (VVS), an intelligent video analytics platform for CCTV that delivers valuable insights from on-site camera footage - insights that can enable improved security along with a host of applications for better customer service and marketing through situational and behavioural analytics.

### ***“VVS demands low-latency, high IOPS storage at scale”***

Vivavo has standardized this new service line on Excelero's NVMesh® Server SAN as it enables the business to scale easily and capture new market opportunities swiftly. VVS demands low-latency, high IOPS storage at scale - capabilities made possible by NVMesh's architecture and its ability to deliver shared NVMe that scales performance linearly at near 100% efficiency.

Analytics applications have very high storage requirements, which could not be met by the company's existing software-defined storage architecture. The infrastructure simply wasn't built for this level of speed and performance. Excelero provided exactly what was missing and uniquely matched the applications' needs.

VVS is powered by a “smart console” recording and management server with Excelero's NVMesh for real-time analytics of “hot” video data, captured in the field by IP video cameras, linked to cloud storage and backup capability. During the trial phase, NVMesh demonstrated stunning results, with ultra-low latency in one rack.

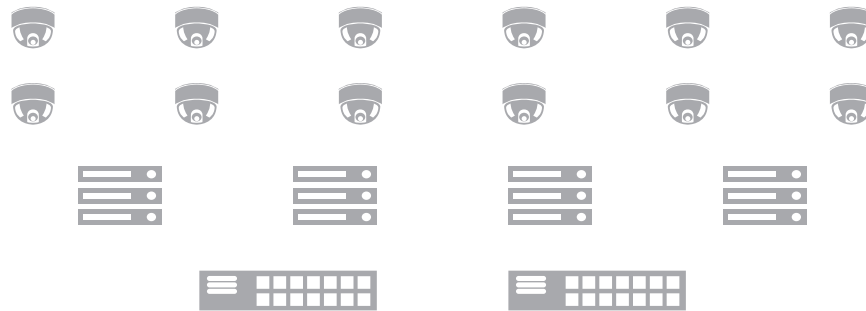
### ***“Traditional storage does not meet performance and scalability requirements”***

NVMesh allows enterprises to build hyperscale data center architectures by delivering shared NVMe at local latency and performance. The system scales granularly as a single pool of high-performance block storage and features easy provisioning of volumes. Analytics applications can access the block volumes directly or through a file system, which makes integration very straightforward. With NVMesh, customers benefit from the performance of local flash, with the convenience of centralized storage and the cost savings of standard hardware. The solution has been deployed for Industrial IoT, machine learning and user behavior analytics applications.





Video is captured in the field by IP video camera and stored on local devices



Smart Console recording and management servers with Excelero's NVMesh for "hot" video data analytics



## NVMesh Benefits for MicroServices

### Scale & Performance

- Leverage the full performance of your NVMe flash at scale, over the network
- Predictable application performance - no noisy neighbors
- Scale your performance and capacity linearly
- Leverage high IOPS, high bandwidth or mixed

### Efficiency

- Maximize the utilization of your NVMe flash devices
- No data localization
- Easy to manage & monitor, reduces the maintenance TCO

### Flexibility

- Mix different storage media types to optimize for cost, scale or performance
- Utilize hardware from any server, storage and network vendor, no vendor lock-in



## About VIVAVO

VIVAVO is a leading Hybrid Cloud Service Provider with extensive expertise and experience in operating complex, on-demand, dedicated and mixed cloud infrastructure. Incorporated in 2006, VIVAVO is always evolving and continue to invest in Cloud infrastructure covering major Asia Pacific countries to support their customers and simplifying their IT needs through cutting-edge cloud computing technologies. For more information visit **[www.vivavo.com](http://www.vivavo.com)**.

## About Excelero

Excelero enables enterprises and service providers to design scale-out storage infrastructures leveraging standard servers and high-performance flash storage. Founded in 2014 by a team of storage veterans and inspired by the tech giants' shared-nothing architectures for web-scale applications, the company has designed a software-defined block storage solution that meets performance and scalability requirements of the largest web-scale and enterprise applications.



With Excelero's NVMesh, customers can build distributed, high-performance server SAN for mixed application workloads. Customers benefit from the performance of local flash, with the convenience of centralized storage while avoiding proprietary hardware lock-in and reducing the overall storage TCO. The solution has been deployed for hyper-scale Industrial IoT services, machine learning applications and massive-scale simulation visualization.