

Remote and Branch Office

Power your Edge IT Infrastructure with Hyperconverged Fabric



Remote and Branch Offices (ROBO) logistics and management present a big challenge to IT teams around the world. Deploying a couple of servers into remote locations is not as easy as it sounds. Hive Fabric can ease this overhead by providing a unified platform to deliver IT in your remote locations, significantly reducing the ongoing support, maintenance, and most importantly cost of deployment.

Challenge

ROBO poses a particular challenge for deployment, support, and management of IT infrastructure and services for the enterprise. There is no economy of scale to benefit from inside each location and geographically dispersed sites make it nearly impossible to employ the traditional processes and architectures deployed in a data center. Costs increase significantly to maintain and manage an application or desktop in these ROBO environments. Customers are forced to look at this deployment architecture in a new light.

Just a few of the challenges to consider:

- Unreliable and / or low bandwidth network connectivity
- Cost and complexity to deploy geographically dispersed sites
- Data security and compliance
- Architecting highly resilient solutions with small numbers of servers
- Power and footprint limitations onsite
- High-cost skilled labor required to manage and maintain complex solutions

Branch offices, small offices, manufacturing facilities and any other ROBO demand a reliable, cost-effective, easy-to-deploy and manage solution.

Why Hive Fabric™ for ROBO

Hive Fabric is architected for simplicity, it's zero-layer approach drastically simplifies ROBO and allows for cheaper, faster and simpler deployments. Hive Fabric also provides the flexibility to scale allowing you to start from a small number of servers and scale out as the ROBO requirements grow. Hive Fabric can be installed in as little as 20 minutes allowing new sites to come online quickly and efficiently.

Benefits

- Eliminate multi-vendors and complex licensing models
- Eliminate the need for expensive proprietary hypervisors
- Build your infrastructure on top of any commodity x86 hardware – Green or Brown Field
- Eliminate the management solution bloat
- Compose your Edge IT infrastructure in as little as 20 minutes
- Compose or collapse based on demand
- Availability that ensures business continuity with highly resilient swarm architecture
- No need for highly-cost skilled labor
- Lower TCO and reduce IT expenses by up to 70%
- Eliminate latency issues and comes with an inbuilt security
- Hive Fabric Message Bus enables Artificial Intelligence (AI) and Machine Learning (ML) capabilities

Hive Fabric powering ROBO in the real world

Financial services: A bank with a large number of branch locations

The branch offices of a bank need to mitigate the risk of downtime due to lack of connectivity with headquarters in order to continuously run their business effectively. Any downtime will directly impact their customers and have significant regulatory consequences for them. Banks need to guarantee data security and maintain a high level of performance for their end users which in turn speeds up the customer experience.

Standardizing a branch office can be further complicated when the level of infrastructure such as power and cooling can differ wildly from location to location. Not to mention that a small office does not necessarily mean a small number of staff or small customer base. Banks are forced to put infrastructure onsite as the risk of a WAN outage is too high or network resilience is hard to achieve and disproportionately expensive.

Hive Fabric allows the bank to:

- Deploy the same technology in the data center and ROBO locations
- Easily scale the ROBO infrastructure to meet demand
- Deploy a solution on commodity x86 hardware, even including desktop type hardware for the very smallest of sites
- Remove the risk that a network outage poses to the branch serving customers
- Simplify the deployment
- Removing complex, high-risk remote application delivery to the branch
- Future proof with ML and AI readiness.

Mission Critical: Secure federal locations

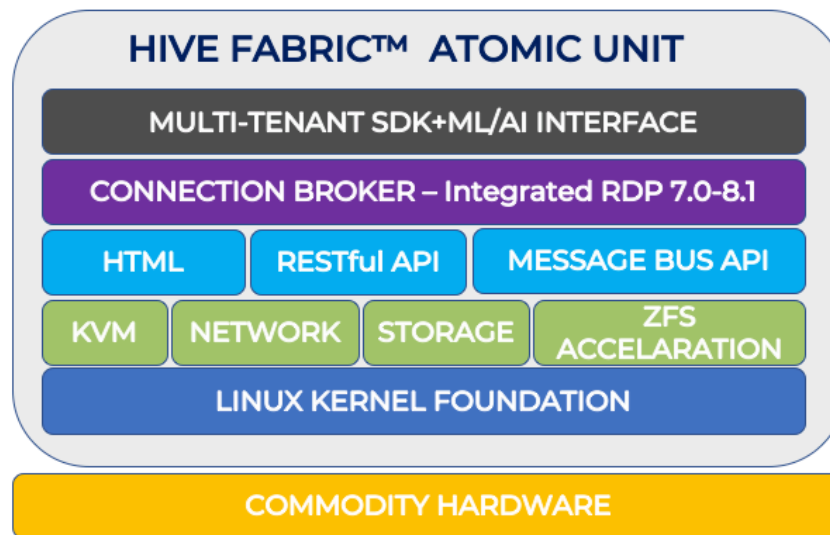
The boundaries of a 'branch office' continue to be challenged by government or the military, requiring infrastructure to be placed alongside operational deployments often in war-zones. The impact an outage could have here is immeasurable.

Situations like the DOD Special Forces deploying on-demand mobile forensic units utilized for reconnaissance, or agile remote mini data centers for embassies, or even ruggedized mobile data centers for in-theatre strategy management all require the same thing: command and control. These scenarios come with the additional challenges that include the mobility requirements, military grade robustness, and connectivity because of the areas to which it can be deployed.

Hive Fabric enables these solutions:

- Can be installed on any kind of hardware, often bespoke in nature to the particular remote 'location' as long as the hardware is running x86 chipsets
- Speed of deployment is key; a junior administrator can deploy a Hive Fabric mobile data center in as little as 20 minutes with no more than a push of the power button
- Scale to the location - single servers in humvees to racks in large embassies

More about Hive Fabric™



Hive Fabric brings to market an industry first, all-in-one Software Defined Data Center in an easy to deploy and manage platform. Our software installs on a wide range of x86 commodity hardware, allowing customers to quickly and efficiently build out private clouds at significantly lower cost. The solution eliminates the need for complex licensing and multi-vendor management and includes a unique Message Bus Architecture that is Artificial Intelligence (AI) ready. Hive Fabric allows customers to have their private data center at half the cost of public cloud on a platform that runs and manages a wide variety of applications and services. Our architecture is used by customers across multiple verticals with diverse workload types including VDI, VSI, Grid Compute and Hadoop environments. With Hive Fabric, organizations of all sizes and requirements can implement a holistic, easy-to-use, end-to-end stack that provides fast and reliable computing at a significantly reduced cost.

Hive Fabric™ Advantages

- Zero-Layer stack – no vendor bloat (hypervisor, orchestration, web portal, broker, and native storage acceleration all in one platform)
- Unique Message Bus Management – removes management layer. No VMware Virtual Centers or databases
- Universal REST Interface – easy to create custom automation using highly available development resources
- Simple license model – per VM per month
- Clients span all verticals (Healthcare, Finance, DOD, Legal, MSPs)
- Clients use all guest types (VDI, VSI, GRID, and HADOOP)
- Natively multi-tenant

Why HiveIO

Complexity can be interesting. It can add richness; it can inject ambiguity and variability. It can lead to redundancy. It can be short-lived. **Simple is Powerful.**

At HiveIO we believe that the real journey should begin immediately, and that the promise can be realized. We do not want you to go from the data center team, to the networking team, to the storage team, to the virtualization team, to the Windows or Unix team. We want you to go to a single team that can see you through your journey.

We do not ask for maintenance agreements, support agreements, or multi-year renewals. We do not require complex hardware configurations to get you to the starting line.



Simple. Powerful. Ready. Realize the promise.