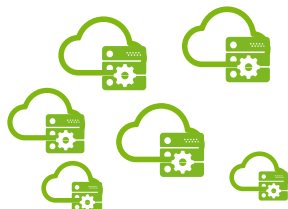




PROXIMITY



MOVE THE CLOUD TO THE DATA

Cloud-like experience at the edge or on-premise

GIG redesigns the traditional data-travels-to-the-cloud paradigm by moving the cloud in a powerful new way to the data, the user, the application or the developer directly. With the massive growth of traffic at the edge of the Service Provider's (SP) network and inside enterprise networks, the demands for more on-tap compute and storage resources closer to the applications and the data is simply a necessity to improve performance and reduce costs. Security and privacy needs require data to stay locally or inside a private enterprise cloud.

With a powerful modular SD-Edge-Cloud-as-a-Service approach, the GIG G8 allows an out-of-the-box cloud to be moved where needs arise. Compute and storage capabilities can be delivered in an automated way, anywhere, as a public edge cloud service delivered by the SP or on premises for higher levels of data security.

0 COST OPERATIONS



AUTOMATE OPERATIONS

Scalable operations for distributed edge clouds

To avoid traditional exponential cost increases of managing distributed environments, GIG has developed unique self-healing capabilities as part of the G8 software and its intelligent automated operations. GIG Meneja's high performance operations center provides edge cloud managed operations for distributed high availability environments including:

- 24 X 7 active monitoring and automated alerting
- Cloud automation, release updates of hardware (HW) and software (SW) and fully automated DevOps pipeline for distributed environments
- 24 X 7 dedicated DevOps team for health checks, G8 self-healing updates and remote management
- Pro-active management of self-healing procedures and methods to resolve issues, before they occur, automatically
- Customer management dashboard tools for single views on EdgeCloud infrastructure and applications.

SERVICE ENABLEMENT



CREATE VALUE AT THE EDGE

Digital Marketplaces

GIG Play Marketplace offers SaaS enabled services and an open API driven innovative approach for easy integration of third party applications, providing SPs with new ways to drive ecosystem revenues and enhance core value propositions through OTT services leveraging G8 compute and storage capabilities.

For ease of management and to automate application deployment over multiple G8 nodes, GIG provides the GIG Play Automation. Ansible modules and Terraform providers provide ease of integration and deliver Infrastructure-as-Code. In addition, Kubernetes offers a straightforward integration in multi-cloud environments and increases the speed to deploy applications anywhere.

This reduces lengthy provisioning processes and cumbersome application deployments.

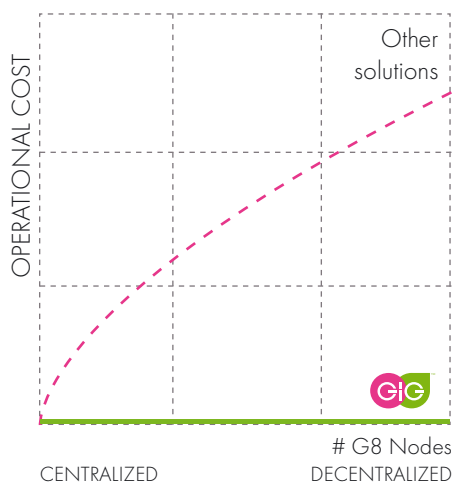
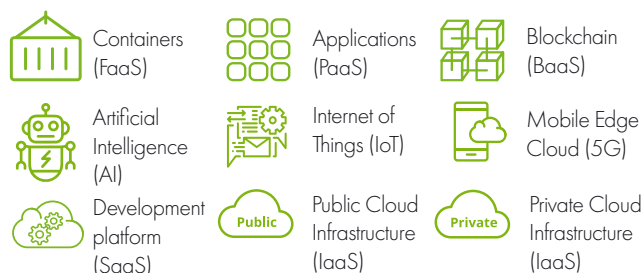


SERVING THE WIDER SCOPE OF EDGE SERVICES

Meeting the needs of various Use Cases cost efficiently

The fast evolution of use cases ranging from IoT and AI to Blockchain and Intelligent Applications-as-a-Service offerings, requires Edge Cloud to serve a wider scope of business and application requirements, while remaining flexible and cost efficient. Where most edge solutions offer costly point specific dedicated solutions that are hard to scale beyond testing labs, GIG provides an optimized way to address the combined needs of large enterprise customers as well as SME segments.

Edge Cloud Adoption Use Cases and Services



SHIFTING THE INVESTMENT PARADIGM

Day 1 Business Value

GIG Technology changes the current capex intensive investment paradigm that comes with long development cycles into an operational service model that allows for fast service innovation cycles and rapid scaling everywhere in a low touch way.

SPs can invest in service innovation to stay ahead of competition and focus on perfecting go-to-market cycles for a wide variety of use cases and services.

BUSINESS VALUE	GIG	OTHER SOLUTIONS
Low entry cost business model for service innovation and business agility	Pay-per-use full stack as a managed service that can address the needs of many different use cases and market segments.	Traditional centralized solutions require high upfront investments in development, DevOps and maintenance costs slowing down go-to-market focus.
0-cost operational model for complex edge environments	Designed for complex distributed systems resulting in improved manageability and performance. Automated operations and self-healing capabilities keep operational costs low, when the number of G8 nodes increases.	Capex and turn-key services approach, high in resources and operational costs. Centralized solution cumbersome and complex to manage in decentralized environments.
Pay-per-Use Model	All-inclusive pricing model with billing based on "actual" compute and storage used for Private or Public IaaS and Applications delivered in GIG Play.	Only available through public centralized hyperscale cloud for traditional IaaS.
GIG Play Marketplace	Off-the-shelf integration of applications for new revenue streams. Offers straightforward orchestration to deliver applications on G8 nodes, multiple clouds or cloud-of-clouds for intercloud service.	Not available on traditional hyperscale clouds or through on-premise hypervirtualized vendor offerings

G8 TECHNICAL BENEFITS

<p>Reduction in hardware compute costs through virtualization of workloads</p>	<p>Kernel-based Virtual Machine (KVM) open source hypervisor for full virtualization solution for Linux HW.</p>		
<p>Optimized storage for capacity and IO intensive workloads</p>	<p>Erasure coding for efficient storage of data through:</p> <ul style="list-style-type: none"> • data stripping over multiple drives • parity segmentation to recalculate data if HW components fail. 	<p>Optimized Operating System (OS) image deployment to reduce storage needs of OS images</p>	<p>Choice of storage through:</p> <ul style="list-style-type: none"> • active data on Solid State Drives (SSDs) • inactive cold data on Hard Disk Drives (HDDs).
<p>Self-healing</p>	<p>Self-healing capabilities on software and hardware level reduce operational impact of storage system failures.</p>		
<p>Deployment of infrastructure-as-code through Cloud Automation</p>	<p>Cloud automation delivers storage and compute components in a cloud native Virtual Datacenter (VDC) Out-of-the-box multi-tenant Private or Public IaaS with dedicated security features VDC supports 1000's of Virtual Machines (VMs) or container workloads at reduced costs.</p>		
<p>Multi-tenancy for public and private clouds</p>	<p>Each tenant's data is isolated and remains invisible to other tenants. G8 SW can be deployed as a private IaaS offering or as a shared public IaaS and offers edge cloud-based data security and residency.</p>		
<p>Cloud of Clouds</p>	<p>Intercloud for cloud services based on combining many different individual clouds into one seamless on-demand operations across multiple SPs.</p>		
<p>GIG Play Automation</p>	<p>Terraform, Ansible and Kubernetes Plug-ins for Infrastructure-a-code and application automation. GUI driven deployment of applications on multiple locations.</p>		
<p>Maximum security and authentication per VDC</p>	<p>Each secure VDC comes with dedicated SD network and firewall</p>	<p>User authentication via GIG's 2-factor authentication or OAuth authentication Single Identity Management via ltsyou.online</p>	
<p>High availability and uptime</p>	<p>Increased network speed and application performance. High performance compute, storage, networking and API responsiveness through higher levels of oversubscription commitments offering better performance than public clouds today.</p>		
<p>Modular Sizing</p>	<p>Installation of G8 full stack solution between 1/2 to 1 day depending on size. G8 SW runs on tested and certified SuperMicro based HW</p>	<ul style="list-style-type: none"> • G8 Small: 0.8Petabytes storage; 1752 vCPU; 4x875 GB Memory • G8 Medium: 1.2 Petabytes; 4378 vCPU; 4x2189 GB Memory • G8 Large: 1.6 Petabytes; 8756 vCPU; 4x4378 GB Memory 	
<p>Billing API's and Portal</p>	<p>API for billing integration per G8 node, account, VDC, application,...</p>	<p>G8 integrated with Incontinuum Billing portal and automated multi-cloud orchestration</p>	

About GIG Technology

GIG Technology is a high-growth European technology services company that delivers Edge Cloud-as-a-Service by combining advanced knowhow of operating complex distributed full stack environments with its advanced G8 edge cloud software. G8 Software powers scalable, multi-tenant, secure and distributed storage and compute resources, capable of running any type of workload at any location independently. Each G8 has its own standalone functionality and self-healing capability to operate in a distributed way. GIG Play Automation and Marketplace facilitate the deployment of applications and associated infrastructure in one go. With GIG Automation, DevOps teams can now use standard tools to deploy predefined application stacks. GIG is dedicated to expanding its GIG Play Marketplace with application and solution partner integration and reference architectures now and in the future.