



InterCloud | Autonomi



## »» The GSI playbook: Autonomous cloud connectivity

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# The GSI playbook: Autonomous cloud connectivity

Envision a future where you can effortlessly embrace multiple network providers through a unified platform, perfectly equipped to fulfil unique customer needs with unmatched efficiency and innovation.

In the relentless pursuit of digital transformation, Global System Integrators (GSIs) play a pivotal role in empowering organizations to harness the full capabilities of cloud computing. However, as cloud adoption accelerates, delivering agile, secure, and seamless connectivity solutions that meet diverse customer requirements can become challenging.

InterCloud Autonomi provides the solution - enabling you to revolutionize cloud connectivity management, streamline operations, optimize performance, and unlock new possibilities for your clients. By leveraging the capabilities of InterCloud Autonomi, you can redefine what's possible, driving innovation, enhancing operations, and delivering exceptional value.

» Navigating the complexities of cloud networking requires a strategic approach that combines technical expertise with deep market insights. This expert guide serves as a comprehensive resource, equipping you with the knowledge and strategies to maximize the potential of cloud connectivity management.



# Key GSI challenges

## The connectivity conundrum

## Rapid response to change



In today's fast-paced digital landscape, the pressure to respond quickly to customer demands and market trends is constant. As organizations accelerate their migration to cloud services, they expect network services to be provisioned with the same agility as virtual resources in the cloud. Delays in delivering connectivity solutions can significantly hamper your ability to meet customer expectations and maintain a competitive edge.

## Economies of scale & margin optimization



Achieving economies of scale while maintaining healthy profit margins requires a delicate balancing act. While services may be charged to customers at a premium, leveraging tools that streamline operations and enhance efficiency can contribute significantly to optimizing margins. Finding a solution that harmonizes scalability and profitability is crucial for long-term success.

## Time to market pressures



Time to market is a critical differentiator in the rapidly evolving technology landscape. The ability to swiftly provision and deploy network resources is essential to remain competitive and meet customer demands for faster implementation of changes or upgrades. Delays in delivering new services or solutions can erode customer confidence and hinder growth opportunities.

## Embracing emerging technologies



Trends such as Software-Defined Wide Area Network (SD-WAN) and multicloud environments present both opportunities and challenges. Embracing these cutting-edge technologies requires a seamless migration path that simplifies network provisioning, optimizes performance, and reduces costs. Failure to adapt can result in stagnation and the risk of being outpaced by more agile competitors.

# Empowering digital transformations with InterCloud Autonomi



# Empowering digital transformations with InterCloud Autonomi

InterCloud Autonomi offers a transformative vision for managing data collection and transport - a unified platform that revolutionizes how you meet diverse customer needs today and in the future. Unlike alternatives, this platform offers a centralized hub to manage multiple network providers and underlays, streamlining operations by eliminating the need to access different platforms.

With unparalleled cloud networking capabilities and a roadmap driven by continuous innovation, InterCloud Autonomi embraces endless possibilities. It empowers you with flexibility to adapt to evolving requirements, ensuring your needs, and those of your customers, are expertly addressed throughout the journey of connectivity transformation



## Total control and flexibility



With InterCloud Autonomi, you gain complete control over your cloud connectivity journey. From a single platform, you can access market-leading network connectivity features and providers, including InterCloud's global private backbone and global network partners. This flexibility enables you to define project requirements and configure the optimal connectivity solution at software speed, wherever and however you need it.

## Accelerated time to market



InterCloud Autonomi integrates into DevOps cycles, delivering cloud connectivity using the best available network components. By eliminating technical complexities and fostering flexibility in service creation, you can significantly reduce the time to market for new services and solutions, enabling you to stay ahead of the competition and meet customer demands with unparalleled speed.

## Operational excellence and scalability



The platform empowers you to increase operational efficiency by streamlining design, maintenance, and overall management processes. With support for scalable network connectivity ranging from 10Gbps to 100Gbps, InterCloud Autonomi ensures global reach, enabling you to expand your operations and cater to customers worldwide without compromising performance or reliability.

## Financial efficiency and investment optimization



InterCloud Autonomi operates on a flexible, pay-as-you-go model. By accessing leading network features from major providers through a single platform, you can minimize costs and maximize project benefits, optimizing your investment strategies and driving profitability.



# Unleashing the power of use cases

InterCloud Autonomi equips you with the capabilities to tackle myriad use cases, facilitating the deployment of solutions tailored to your clients' unique requirements.



# Unbreakable business continuity: Stay ahead, never falter

In today's digital landscape, where cloud-based systems and data are critically relied upon, ensuring business continuity and minimizing downtime is a paramount concern for organizations.

## » Expert insights:

To overcome this challenge, solutions that seamlessly integrate network provisioning and automation into DevOps pipelines are essential. By leveraging tools and platforms that support infrastructure as code (IaC) and enable automated network configuration, you can streamline application deployment processes and ensure that network resources are provisioned and configured in lockstep with other components of the application stack.

## » The InterCloud Autonomi advantage:

Designed to integrate into DevOps cycles, InterCloud Autonomi facilitates network provisioning and automation. Through its API-driven architecture and support for industry-standard automation tools, the platform enables you to incorporate network connectivity into your existing DevOps workflows seamlessly.

With InterCloud Autonomi, you can leverage automated workflows and dynamic resource allocation to support continuous integration and deployment. The platform facilitates rapid deployment of connectivity, reducing the time and effort required for customization.

## Benefits:

- **Enhanced business continuity:** Provision of robust disaster recovery solutions that minimize downtime and ensure uninterrupted operations, even during major disruptions.
- **Increased reliability and trust:** By delivering resilient and failsafe solutions, you can strengthen your reputation as a trusted partner, fostering long-term client relationships and loyalty.
- **Streamlined disaster recovery processes:** InterCloud Autonomi's automation capabilities and intuitive interface simplify the design and deployment of disaster recovery solutions, reducing time and effort required.
- **Cost optimization:** The platform's scalable and flexible architecture enables on-demand resource provisioning, minimizing unnecessary investments and optimizing disaster recovery planning costs.

# DevOps integration: Accelerating from cloud to code

Organizations are under constant pressure to deliver new applications and services rapidly to meet evolving market demands. As a crucial partner, you play a vital role in enabling your clients to leverage DevOps practices that emphasize collaboration, automation, and continuous delivery. However, integrating network infrastructure into DevOps workflows can be a significant challenge, often leading to delays and bottlenecks in application deployment cycles.

## » Expert insights:

To address this challenge, a proactive approach to disaster recovery planning (DRP) is essential. This involves designing and implementing robust failover mechanisms that can seamlessly transition critical systems and data to redundant resources in the event of a primary system failure. By leveraging cloud-based disaster recovery solutions, you can ensure that your clients' operations remain uninterrupted, mitigating the potential impact of disruptions and safeguarding business continuity.

## » The InterCloud Autonomi advantage:

InterCloud Autonomi delivers a comprehensive DRP solution, enabling organizations to architect resilient cloud connectivity infrastructures with ease. Through dynamic network provisioning capabilities, it ensures seamless failover to redundant cloud resources, minimizing downtime while safeguarding business continuity.

The platform provides an intuitive interface and automation tools that simplify the configuration and deployment of redundant connectivity paths, ensuring critical systems and data remain accessible even during unforeseen disasters. Real-time monitoring and observability features offer complete visibility into network infrastructures, facilitating proactive identification and resolution of potential issues.

## Benefits:

- **Accelerated application deployment:** By integrating network provisioning into DevOps pipelines, you can significantly reduce deployment times and accelerate time-to-market for new applications and services.
- **Increased operational efficiency:** Automated network provisioning and configuration eliminate manual processes, reducing the risk of human error and enabling efficient resource allocation.
- **Improved collaboration:** InterCloud Autonomi's integration with DevOps tools fosters better collaboration between development and operations teams, enabling seamless coordination and faster issue resolution.
- **Scalability and agility:** The platform's support for dynamic resource allocation and automated scaling enables rapid adaptation to changing workload demands, ensuring optimal application performance and resource utilization.

# Hyper-customized cloud rollouts: Meeting diverse customer requirements with ease

GSI's are often tasked with delivering customized connectivity solutions to meet their clients' unique requirements. However, designing and implementing these solutions from scratch can be time-consuming and resource-intensive, particularly when dealing with complex network architectures and diverse customer environments. This challenge can impede your ability to respond rapidly to customer demands and maintain a competitive edge.

## » Expert insights:

To address this challenge, leveraging network configurations that can be easily customized and deployed is crucial. By adopting a self-managed approach to service provisioning, you can streamline the design and implementation processes, reducing the time and effort required for customization while ensuring consistent and reliable deployments.

## » The InterCloud Autonomi advantage:

InterCloud Autonomi brings flexibility and ease to service provisioning, allowing organizations to rapidly deploy customized connectivity solutions to meet customer specifications. By leveraging the platform's workspaces, you can customize connectivity to align with the specific requirements of multiple clients. The platform's intuitive interface and automation capabilities enable seamless integration with existing systems and workflows, ensuring an efficient deployment process.

## Benefits:

- **Rapid service deployment:** Self-managed connectivity accelerates the deployment of connectivity solutions, enabling you to respond swiftly to customer demands and reduce time-to-market.
- **Improved operational efficiency:** By leveraging InterCloud Autonomi's workspace functionality, you can manage the connectivity for multiple customers from one space, minimizing complexity and improving efficiency.
- **Consistency and reliability:** Taking control of your network configurations ensures consistent and reliable deployments, minimizing the risk of errors and reducing the need for manual interventions.
- **Scalability and flexibility:** InterCloud Autonomi's workspace functionality provides scalability and flexibility, enabling you to easily adapt to evolving customer requirements and emerging technologies. With the ability to create multiple workspaces and configure connectivity across various network providers, you can seamlessly scale and adjust your solutions as needed.

# MPLS to SD-WAN transformation: Embracing next-generation connectivity

As organizations seek to leverage the benefits of cloud computing and digital transformation, Software-Defined Wide Area Network (SD-WAN) has emerged as a more flexible and cost-effective alternative to the traditional Multiprotocol Label Switching (MPLS), offering improved performance, centralized management, and seamless integration with cloud services. However, transitioning from MPLS to SD-WAN can be daunting, requiring significant expertise and resources to design, implement, and manage the new network architecture.

## » Expert insights:

To successfully navigate the transition from MPLS to SD-WAN, adopting solutions that simplify network provisioning, optimize performance, and reduce costs is essential. By leveraging centralized management and orchestration capabilities, you can streamline the deployment and ongoing management of SD-WAN solutions, ensuring integration with existing infrastructure and minimizing disruptions to business operations.

## » The InterCloud Autonomi advantage:

InterCloud Autonomi offers a comprehensive solution for GSIs embarking on the MPLS to SD-WAN transformation journey. The platform's centralized management and orchestration capabilities simplify network provisioning, enabling you to design, deploy, and manage SD-WAN architectures with ease. With InterCloud Autonomi, you can design and deploy SD-WAN architectures across multiple locations through a centralized platform. The platform's automation capabilities streamline the deployment process, ensuring consistent and reliable configurations. Additionally, its real-time monitoring and observability features provide deep insights into network performance, enabling proactive optimization and troubleshooting.

## Benefits:

- **Total control:** Define your clients' SD-WAN requirements and configure the right connectivity at software speed across InterCloud Autonomi's comprehensive network options – wherever and however you need it.
- **Simplified migration to SD-WAN:** Streamline SD-WAN adoption with a single platform to design, deploy, and manage architectures across multiple locations. Leverage automation capabilities for consistent configurations and reduced deployment time.
- **Scalability and global reach:** Future-proof SD-WAN deployments with our ever-growing network of locations and high-bandwidth circuits to help your clients scale as their business expands.
- **Enhanced visibility and optimization:** Access real-time monitoring and observability features that enhance visibility into your clients' network infrastructure, enabling proactive management and optimal performance.

# Seizing the future with confidence

Embracing transformative solutions like InterCloud Autonomi is essential for thriving and maintaining your leadership position. By harnessing this cutting-edge platform's power, you can navigate the complexities of cloud connectivity management with unparalleled confidence and expertise.

InterCloud Autonomi provides a strategic advantage, empowering you to deliver exceptional value to your clients, drive innovation, and stay ahead of the curve. Leveraging its extensive capabilities enables you to redefine possibilities, integrate emerging technologies seamlessly, streamline operations, and optimize financial outcomes.

As the demand for agile, secure, and scalable cloud connectivity solutions continues to soar, InterCloud Autonomi stands as the go-to solution to enhance your capabilities and solidify your position as an industry leader in the digital era.

Embrace the future of cloud connectivity management with confidence.

Unlock your true potential with InterCloud Autonomi.

**Your clouds. Your connectivity. Your rules.**



## About InterCloud

InterCloud's end-to-end global connectivity platform eliminates the complexity in deploying the cloud, giving businesses full control over the security, sovereignty, and performance of their critical data traffic with complete peace of mind.

Working with organisations to help them transform global connectivity, reduce network complexity, and accelerate growth and innovation, InterCloud is a trusted advisor to some of the world's leading brands when it comes to leveraging the cloud for future success.

With offices across Europe, the company's platform is underpinned by its team of cloud experts who guide customers to implement effective strategies to leverage the power of the cloud across their organization – making global connectivity a driver for business performance.

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