Creating the digital foundation of the future with secure, sustainable, and reliable networks.
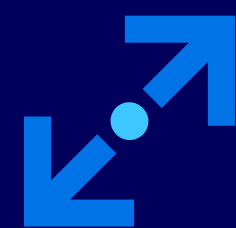
Atos Intelligent Data Center Fabric powered by Juniper Apstra and Atos AI-driven network powered by Juniper Mist provide the future foundations for your digital transformation.
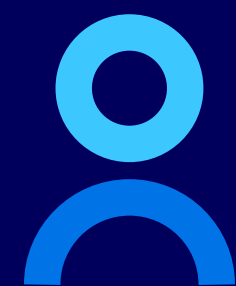
Atos | JUNIPER NETWORKS

Why now?

Your IT teams need to deliver exceptional, secure user experiences and innovative solutions to the business. But for today's enterprises, this is easier said than done:

Businesses are highly dependent upon secure, sustainable, and reliable networks to create the digital foundations for the future.

Networks are more complex, extending from the campus to the cloud and the edge.

IT teams are navigating a range of skills across multiple vendors, managing a high volume of devices, and contending with siloed working (all of which increase the risk of human error).
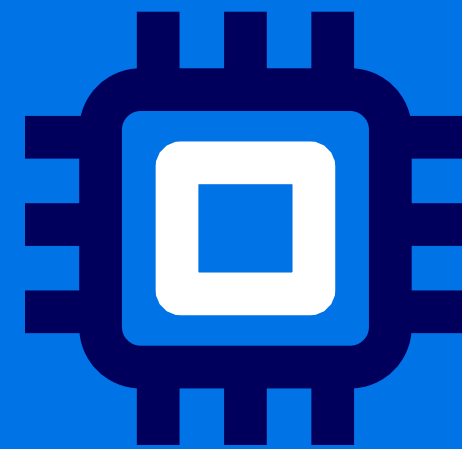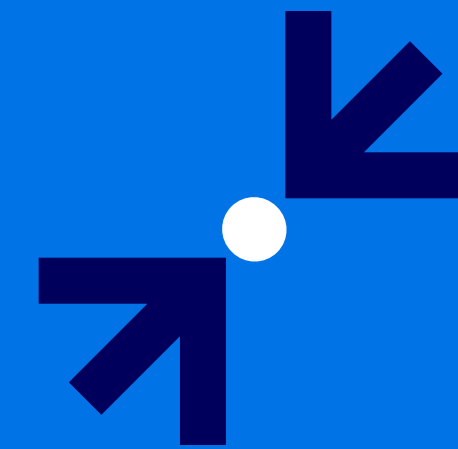
How do I overcome these challenges?

You need:

Advanced solutions that streamline network management, reduce complexity, and create a solid foundation for the future.

A unified data fabric that delivers standardised data management practices and practicalities across cloud, on-premises, and edge devices - regardless of vendor and whether it is a wired or wireless network.

An intelligent network that uses predictive AI (Artificial Intelligence) and automation to eliminate human error and dependence, so your IT teams can deliver exceptional, secure user experiences, and accelerate business transformation

How do I overcome these challenges?

Technical expertise and best-in breed technologies from Atos and Juniper combine to provide the tailored, right-sized, future-proof networks your business and people need. Our partnership enables seamless integration of on-premises, cloud, and edge resources for a comprehensive network solution.

- **Atos Intelligent Data Center Fabric powered by Juniper Apstra** and Atos AI-driven network powered by Juniper Mist provide the future foundations for your digital transformation.

- **Together we have a proven track record** of successful collaboration in network transformation.

- **Atos Intelligent Data Center Fabric powered by Juniper Apstra** offers a unified view across all data and infrastructure, enabling efficient network management.

- **Juniper Mist AI-driven network,** integrated with Atos, utilizes machine learning and data science to simplify complex wireless access, wired access, and SD-WAN domains.

- **Together, we provide the future foundation** for digital transformation, empowering organizations to advance what matters and overcome network complexities.

Atos Intelligent Data Center Fabric powered by Juniper Apstra

How do I simplify network management and create a future-fit agile network foundation?

Problem

Enterprise networks today are incredibly complex. Organizations are looking to more cohesively manage disparate parts of their network.

IDC 2022

You need:

- Seamless connectivity across your entire network and data center.

- To remove the complexity of data in the core, cloud, and edge.

- To secure connections to the cloud and access to the mainframe while connecting to the far edge and IoT.

- To manage disparate networks as simply and as cohesively as possible.

- To streamline rollout of data center configurations.

Solution:

Network management and integration delivered and managed by Atos' expert teams with technologies from Juniper provide a unified solution.

- Atos Intelligent Data Center Fabric powered by Juniper Apstra offers a comprehensive view across all your data and complex infrastructure.

- Atos network and data center consultants collaborate with you to design a future-fit architecture.

- Juniper Apstra's intent-based networking software automates and validates data center network design, deployment, and operations.

How do I create the reliable network foundations by removing human error and cost?

Problem

70-75% of all data center and service outages are caused by human error. Rapid advancements in technology have exponentially expanded and complicated networks to the extent that manually setting them up and managing them has turned into a mission impossible.

Juniper 2022

You need to overcome the following challenges:

- Manual network management practices and a lack of automation.

- Over reliance and dependencies on specialized skills

- Lack of standardized network configurations.

- Time constraints for application deployment.

Solution:

Atos Intelligent Data Center Fabric powered by Juniper Apstra helps you to:

- Simplify your network management through automation.

- Remove reliance on human intervention.

- Create a scalable and standardized infrastructure.

- Ensure reliable operations in data centers.

- Reduce deployment times with validated templates and zero-touch provisioning.

- Enable customization with Apstra's Freeform capability.

How do I create a high-performance network and guarantee exceptional user experience by fast resolution of issues?

You need to overcome the following challenges:

- Overcome increasing network complexity.

- Be able to scale easily, with centralized performance.

- Understand and accurately visualize your network system architecture, issue locations, and security status.

- Deliver outstanding user experience and flexibility in implementing changes.

Solution:

Atos Intelligent Data Center Fabric powered by Juniper Apstra provides a single source of truth and powerful analytics. This partnership:

- Enables a comprehensive understanding of your network, including system architecture, issue locations, and security status.

- Allows your network teams to pinpoint and resolve issues quickly, delivering high-quality user experiences.

- Prevents outages with predictive insights and advanced telemetry.

- Offers testing via digital twin simulations and the ability to revert changes if problems occur.

- Ensures smooth operations with change control and fast, all-network rollback.

- Reduces time to resolution and diminishes human error in network management.

How do I build a robust and secure platform to advance what matters?

Problem

- It can be a challenge to manage multivendor networks for comprehensive end-to-end network management.

- You may have difficulty achieving a unified view, needing individual playbooks for each technology.

- You need to mitigate legacy issues and scarcity of skilled resources.

- Manual configuration of data centers can lead to configuration drift, human errors, and technical debt.

Solution:

Multivendor support delivered by Atos Intelligent Data Center Fabric powered by Juniper Apstra

- Our approach includes continuous engagement, proactive enablement sessions, and detailed documentation to ensure success in delivering country-wide digital ID platforms and data center infrastructure integration with security systems.

- Enables automation and management of networks across any data center location, vendor, and topology.

- Creates an innovative platform for unified network management.

- Scales across large data centers and Edge data centers, to support hundreds of thousands of connected servers.

- Consolidates your operations into a single management interface for rapid transformation.

- Builds a robust and secure platform for driving transformation with the network of the future.

Atos and Juniper delivered a country-wide digital ID platform, including data center infrastructure and integration with security systems needed to handle sensitive data. The approach included continuous engagement, proactive enablement sessions and detailed documentation were the key steps taken to ensure success.

Atos AI-driven network powered by Juniper Mist

How do I enable a future fit agile network by simplifying complex network management?

Problem

- Modern enterprise networks are highly intricate, comprising diverse components such as campus networks, branches, and access to applications across multiple clouds.

- Cohesive management of these disparate elements can pose challenges to your IT department.

- You're under pressure to reduce costs while maintaining efficient network operations.

Solution

Atos AI-driven network powered by Juniper Mist simplifies network management through machine learning and data science techniques, which allows you to:

- Automate your operations across complex campuses, distributed wireless and wired access, and SD-WAN domains.

- Reduce your administrative overhead and improve guest network access.

- Transform user experience through fully automated solutions.

- Create a future fit agile network by simplifying complex network management.

- Extract network insights and simplify resource alignment or introduce enhanced premium services.

-

How do I create the reliable network of the future by removing human error and cost?

Problem

Manual processes and the associated human errors can cost the business time and money. The longer it takes to identify disruptions, the more impact they have on operations.

You need to:

- Centralize the management of distributed access points?

- Identify and resolve issues before they occur, cost-so that you can drive down call tickets and reduce downtime.

- Accelerate network management and reduces costs to operate

Solution

Achieve the predictable and reliable networking your business needs with Atos AI-driven network powered by Juniper Mist:

- Replace time-consuming manual IT tasks with AI-driven proactive automation and self-healing capabilities.

- Lower networking operational costs and save time and money.

- Subscription-based models deliver scalable and effective networking.

- Optimize services for the environment without requiring additional hardware.

- A centralized console manages your distributed access points and proactively detects and resolves issues.

A global enterprise was experiencing significant admin overhead and issues with guest network access. Working with Atos and Juniper they used MIST to move to a fully automated solution, transforming user experience.

How do I create a high-performance network and guarantee exceptional user experience?

Problem

- Your customers and employees expect seamless connectivity and user experience regardless of their location.

- Downtime is no longer acceptable, and issues from demanding customers can overwhelm your IT help desk.

Solution

Ensure predictable, reliable, and measurable networking with Atos AI-driven network powered by Juniper Mist :

- Gain unprecedented visibility into your users' experience by ingesting data from various sources, including Juniper Mist devices.

- Optimize user experiences, from client to cloud, through automated event correlation, root cause identification, and Self-Driving Network™ operations.

- Mitigate issues before they impact your users through network assurance and proactive anomaly detection.

- Reduce the burden on your IT support teams and deliver exceptional user experiences.

Atos and Juniper delivered a campus-wide network replacement for a German chemical company. Using Juniper MIST the roll-out was significantly simplified.

How do I build a robust and secure platform to drive transformation?
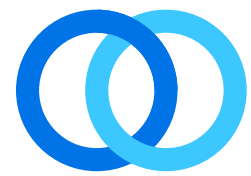
Problem

- Your business needs a robust and secure platform that drives digital transformation and enables innovation.

- You also require networks that can measure user experience, customer engagement, and integrate location services.
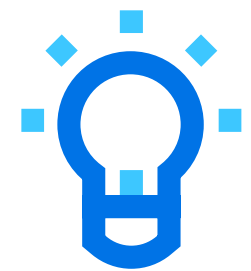
Solution

A flexible platform with a microservices cloud architecture from Atos AI-driven network powered by Juniper Mist:

- Seamlessly add or remove features, enabling you to adapt to changing requirements easily.

- Update and fixes bugs - without network disruption

- Ensure continuous improvements.

- Scale services as needed, instead of incurring complexities and expenses associated with monolithic hardware.

- Enhance your wireless networks and personalized location services with enterprise-grade Wi-Fi, Bluetooth® LE, and IoT capabilities.
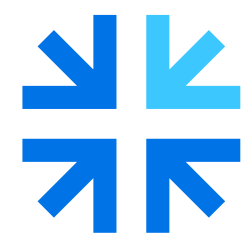
Why should I choose Atos and Juniper?

Our trusted partnership spans ten years, backed by dedicated teams and co-investment in validated designs.

As leaders in Data Center Fabric transformation, together we bring our deep expertise and experience in leveraging Juniper Apstra technology for future-proof solutions you can count on.
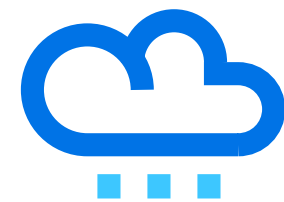
With over 1,800 Network Specialists across three Global Delivery Centers, Atos possesses extensive capabilities to offer comprehensive integration services.

Atos is recognized as the top cybersecurity provider in Europe, enhancing our capabilities to support secure and resilient network solutions.

Atos's expertise, recognition as a Leader in Gartner's Magic Quadrant, and deep knowledge in data center fabric bring a significant competitive advantage.

Atos's deep knowledge and experience are crucial in supporting transformation initiatives and successfully integrating complex solution use cases, bridging hybrid and private cloud environments.

What benefits can I expect?

- **Seamless integration:** We offer a unified solution that seamlessly integrates on-premise, cloud, and edge resources, providing you with a cohesive network management experience.

- **Efficient network management:** With Atos Intelligent Data Center Fabric powered by Juniper Apstra, you gain a unified view across all data and infrastructure, simplifying network management and reducing complexity.

- **Simplified operations:** Juniper Mist AI-driven network, integrated with Atos, utilizes machine learning and data science to simplify complex wireless access, wired access, and SD-WAN domains, streamlining network operations.

- **Enhanced performance:** Our combined expertise enables you to optimize network performance, ensuring reliable and high-performing connectivity for users and applications.

- **Improved resource allocation:** Through our intelligent network solutions, we help you allocate network resources effectively, optimizing performance and minimizing waste.

- **Operational efficiency:** Drive operational efficiency, reduce downtime and maximize productivity by leveraging our advanced technologies and expertise.

- **Strategic focus:** With a reliable network infrastructure in place, your IT teams can shift their focus from managing network complexities to strategic digital transformation initiatives, driving innovation and growth.

Contact us for more information

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