FusionLayer Inc

Simplifying the Edge Infrastructure

Managing Large Edge Fleets = Time + Expenses!

**Artificial Intelligence
relies on edge clouds.**

They must be secured.

- Edge clouds becoming mainstream. Used to host network, security, and infrastructure services for AI-enabled apps.

- Managing large edge device fleets is an expensive headache:
    - New edge cloud nodes take weeks to set up
    - Maintaining scattered IoT fleets over the Internet

- No secure zero-touch services for edge device onboarding and infrastructure service management over the public Internet.

Simplifying Edge Infrastructure Management

- FusionLayer Xverse is a hosted service that makes managing edge cloud infrastructure and scattered IoT fleets a breeze:

  - Secure zero-touch onboarding for new devices
  - Drag-and-drop service deployment in minutes
  - Observability, updates, and decommissioning

- Ideal for distributed use cases involving many connectivity providers and a dynamic operating environment.

Meet the Google Play for Secure Edge Infra.

Streamlining Edge Infrastructure Services

- Secure Internet-based onboarding of new devices in seconds.

- Deploy required security, network, and other services in minutes.

- Reduce Operating Expenses by 90%+ while boosting agility.

**Securing complex edge cloud infrastructure requires visibility and control.
Using AI–enhanced automation to drive down costs and time-to-deploy.**

Use Case no. 1: Private 5G

- FusionLayer, Supermicro, and Cumucore tested Xverse to manage Private 5G rollouts.

- POC covered deployment of new Private 5G core:
    - Remote onboarding of clean Supermicro edge devices
    - Secure zero-touch deployment of Private 5G core on Supermicro
    - Use case required public Internet connectivity

- Onboarded the Supermicro edge device and deployed a Private 5G core in under 2 minutes.

Use Case no. 2: Cloud Application Portability

- FusionLayer and Supermicro tested Xverse to automate remote NGINX deployments.

- POC covered deployment of NGINX instances:
  - Remote onboarding of clean Supermicro edge devices
  - Secure zero-touch deployment of NGINX engines on Supermicro
  - Use case required public Internet connectivity

- Onboarded the Supermicro edge device and deployed a NGINX service in under 30 seconds.

Use Case no. 3: Cisco Hypershield for Security

- New security solution announced in April 2024, embedded in the latest Cisco Nexus generation.

- Designed for hyper-distributed environments:
  - Will support also DPUs from 2025 onwards
  - Autonomous network segmentation and simulation
  - Distributed exploit protection

- FusionLayer can onboard DPUs in Cisco Nexus devices and deploy services into them.

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Use Case no. 4: NVIDIA for Industrial Metaverse

- Nvidia collaborates with companies like Deutsche Bahn and Jaguar Land Rover to create omniverse at scale.

- Nvidia Omniverse architecture leverages BlueField DPUs:

  - DB Netze's Digitale Schiene to create digital twins of dynamic physical systems, including rail networks.

  - Jaguar Land Rover leverages the architecture to accelerate the testing and development of next-generation autonomous vehicles.

- FusionLayer could onboard DPUs run by Deutsche Bahn and Jaguar Land Rover, manage DPU life-cycle, and reduce OPEX.

Ideal Solution for Secure Edge Onboarding

	F	DELL	aws	Telecoms
Productized Solution	✔	✔	✔	
Optimized for Onboarding Network & Security Functions	✔			✔
Supports Secure ZTP	✔	✔		
Runs Securely over the Public Internet	✔		✔	
Supports any vendor	✔			✔
Offered as a Hosted Service	✔			

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Already Trusted by Large Clients

Thank you.

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