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Greater Nashville Area

NetByte.AI™

# What is NetByte SDI?

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**NetByte SDI** (Sovereign Digital Infrastructure) is a fully ownable, AI-native hardware and software platform designed to replace 22+ enterprise tools with one unified system. Built for governments, law firms, universities, and regulated businesses, NetByte provides everything needed to run secure operations — without depending on foreign cloud services.

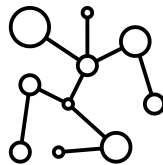
## **Why It Matters:**

- **Digital Sovereignty:** Your data stays in your country, on your terms.
- **All-in-One:** Replace fragmented tools with a single secure system.
- **AI-Powered:** Advanced automation, analysis, and real-time decision-making.
- **No Cloud Dependency:** Operates 100% on local infrastructure.

# What It Replaces

NetByte consolidates your critical operations into one tightly integrated platform:

Traditional Tool	Replaced By NetByte
Google Workspace / Microsoft 365	Built-in secure email, chat, scheduling
Zendesk / Freshdesk	AI-powered help desk (Rudy)
Jira / ServiceNow	Built-in ticketing & change management
AWS S3 / Dropbox	Encrypted object storage (MinIO)
Palo Alto / Fortinet	Integrated SD-WAN, firewall, threat detection
Zoom / Teams / Slack	Internal messaging, VoIP, conferencing
SIEM Tools (Splunk, IBM QRadar)	Wazuh + Arkime integrated security engine
DevOps Pipelines	Built-in CI/CD with signed deployment pipeline
Web Dev Teams	Natural language app builder for internal + public tools



NetByte.AI™

**One device. One platform.**

**Total control.**

# How It Works

NetByte is deployed using two core hardware types:

## **SDI-Core (Orchestration Node)**

An 8-GPU, 192-core server that acts as your central brain. It handles AI, storage, logging, analytics, routing, and acts as a trust anchor for all connected systems.

## **SDI-Lite (Edge Node)**

A compact, secure device for branch offices, remote workers, or data centers. It runs independently, syncs with SDI-Core, and enables secure local services — even offline.

Each system runs fully encrypted microservices and routes traffic over a private, AI-optimized SD-WAN tunnel. Everything is monitored, verified, and managed from a single intuitive dashboard.

# What You Gain

## Sovereignty

Your infrastructure, your rules. No third-party cloud. No foreign control.

## Security

Post-quantum cryptography, biometric MFA, real-time threat detection, and automatic quarantine for compromised systems.

## Speed & Simplicity

1-click deployment, natural language DevOps, and AI-generated documentation save time and cost.

## Resilience

Run everything locally. Even with no internet, your systems continue to operate and self-heal.

## Flexibility

Host your own email, chat, websites, legal software, government systems, or even an entire enterprise suite — from one secure box.

