

# Are AI-Enabled Networks Enough?

Many seek an opinion on AI and AI-powered solutions, particularly in areas like **networking and security**. While we believe these advancements can help organizations achieve more with fewer resources, we also advise exercising caution.

## Core Objectives of AI-Enabled Networks

- Make networks more intelligent, self-adaptive, efficient, and reliable.
- Dynamically adjust workloads based on real-time data, ensuring optimal performance even during periods of high demand.
- Being an “Autonomous Network”



## Limitations of AI

- Product capabilities
- Existing infrastructure
- Model/Platform version
- Compatibility & API
- Data accuracy
- Still require human intervention



## Mitigating Risks

- Validate Data Regularly
- Limit Access to Key Settings
- Use Secure Access Controls
- Restrict AI's Permissions



“Bad data can limit AI's effectiveness”

## Steps to Resolve Common Issues

Machine Learning identifies common issues.

Deep Learning applies fixes.

NLP generates reports.

Generative AI sets pre-checks to prevent recurrences.

## Securing AI-Enabled Networks

1. **Dependency Mapping:** Identify connections and dependencies.
2. **Least Privilege Principle:** Implement minimal access.
3. **Data Integrity:** Regular validation and monitoring.
4. **Access Control:** Limit access to sensitive parameters.
5. **Security Role:** Emphasis on user and partner responsibility.

