

## What is GovLink Al

GovLink AI is an AI-driven platform that enhances government network reliability, ensuring seamless connectivity, security, and real-time monitoring.



# GovLink Al Mission

GovLink Al's mission is to Jeverage Aldriven anomaly detection, predictive analytics, and automated network rerouting to prevent outages and optimize bandwidth distribution. By analyzing real-time network traffic, the system can detect latency issues, anticipate infrastructure failures, and intelligent failover suggest mechanisms.



Network Health Monitoring

Continuous tracking of network metrics such as latency, packet loss, and congestion.

Al-Powered Alerts & Anomaly Detection

Detects suspicious activities.

3 Smart Routing for Optimized Traffic

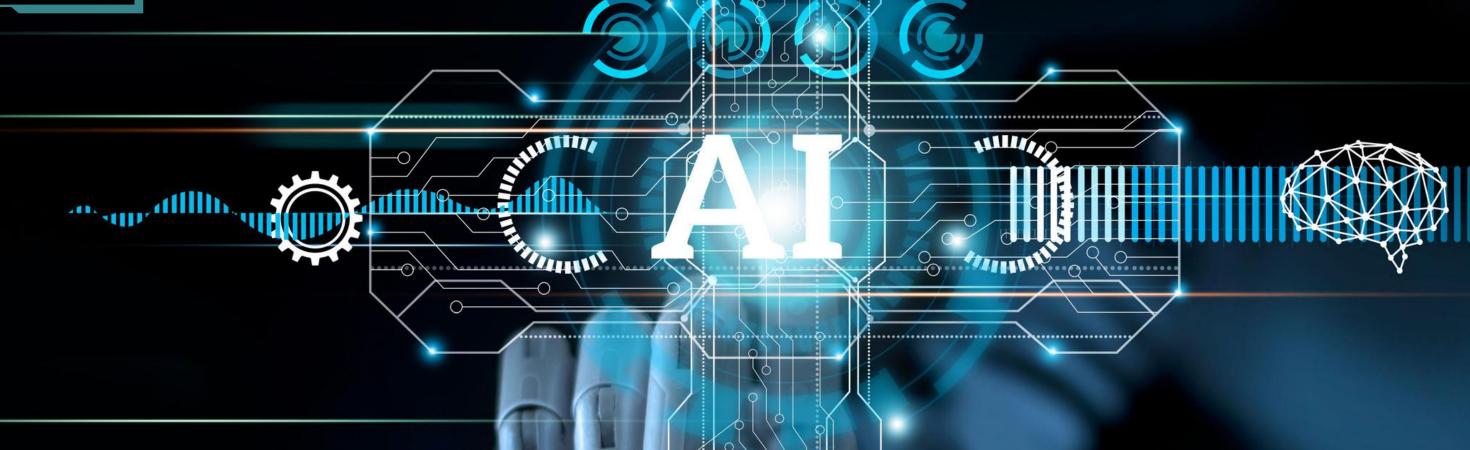
Improves efficiency.

Bandwidth Analytics & Reporting

Visualizes network usage.

5 Offline Mode & Data Resilience

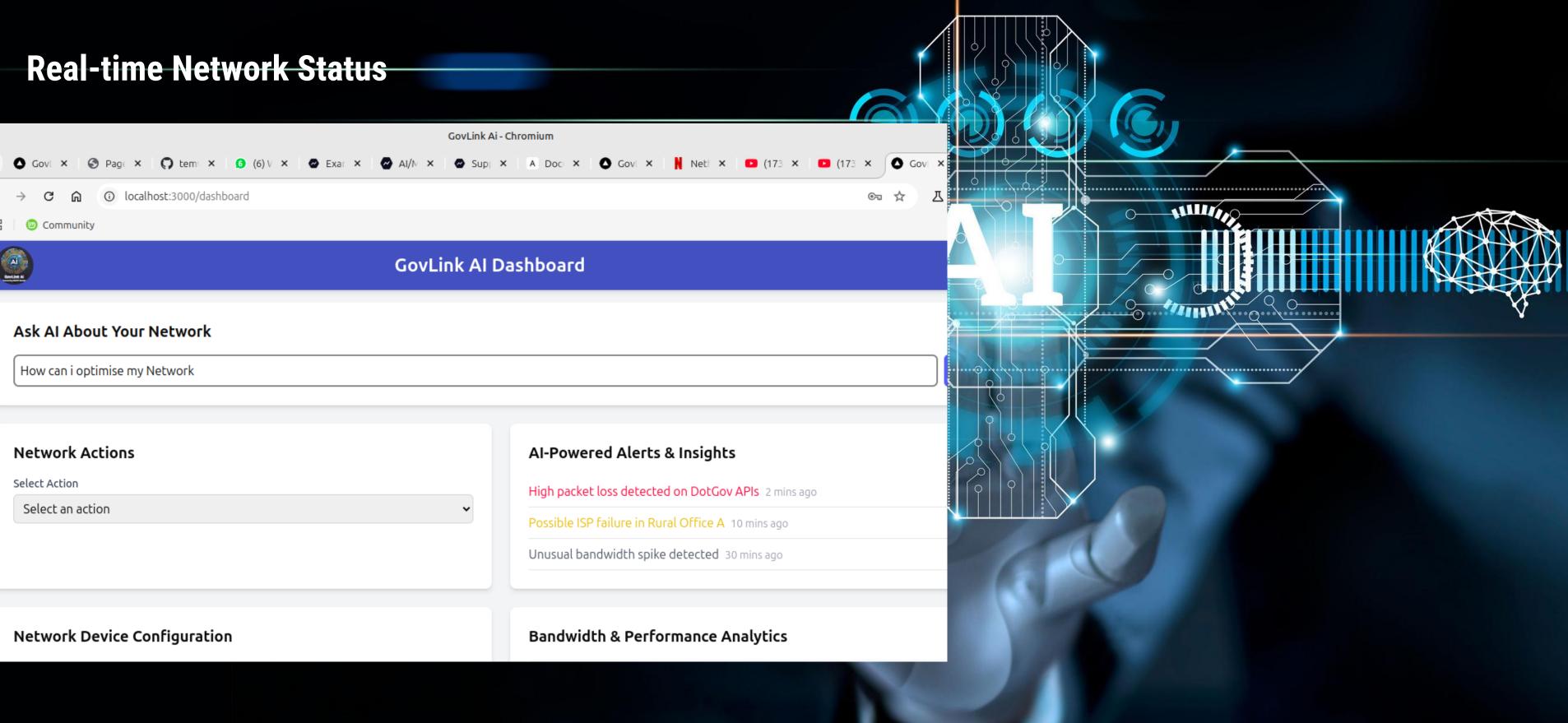
Ensures operations in downtime

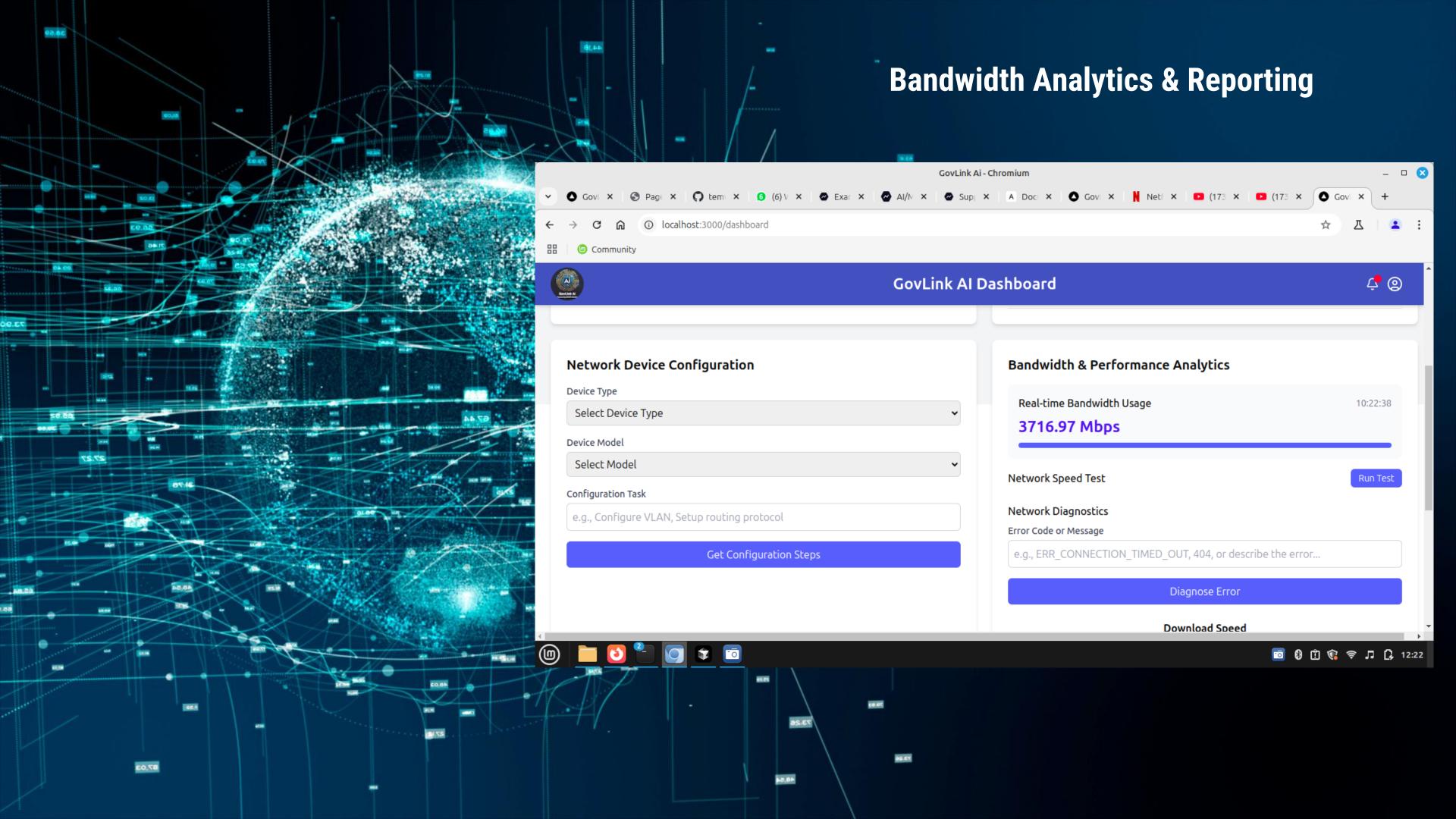


Offline Mode & Disaster Recovery

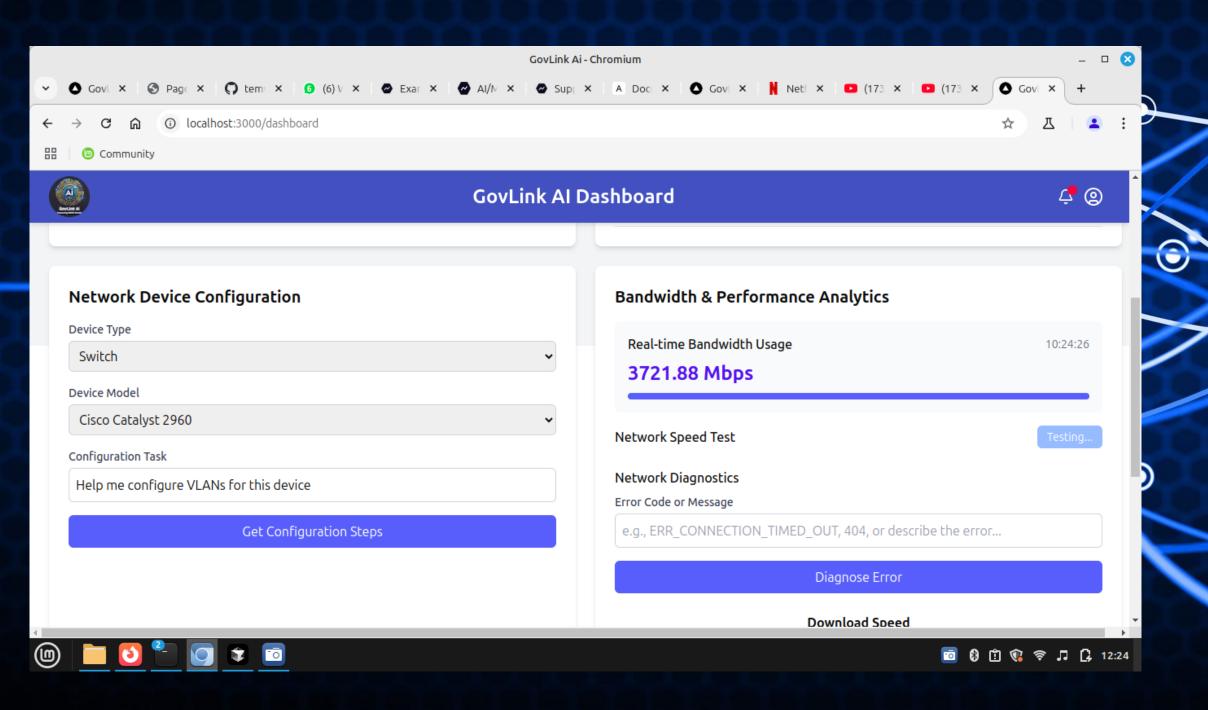
Enables caching of critical government services in areas with intermittent internet access.

GovLink Al Dashboard





### **Smart Routing for E-Government Services**



# Technology Stack

#### Front-end

Next.js + TypeScript (real-time dashboard visualization)

## Networking

Scapy + Wireshark APIs (traffic analysis)

### **Back-end**

Django + FastAPI (network analytics, API management)

### **Database**

PostgreSQL + Redis (data caching, performance optimization)

### Al Models

TensorFlow / PyTorch (predictive analytics, anomaly detection)

## **Cloud Deployment**

AWS/GCP/Azure (for scalability)

