# RASID – Unified Intelligent Monitoring Platform

A Saudi innovation aligned with Vision 2030, RASID ensures technological sovereignty through a patented encryption system.

**Key Capabilities:**

• Comprehensive infrastructure monitoring (apps, services, databases, servers, routers, firewalls, switches, gateways).

• Real-time network topology visualization across branches.

• AI-powered bilingual (Arabic-English) chatbot for troubleshooting and root cause analysis.

• Application and database performance insights with customizable dashboards.

• Arabic RTL management interface for operational teams.

• Mobile and web dashboard access via responsive HTML5 interface.

• 100% secure on-premises deployment ensuring data sovereignty.

**Use Cases:**

• National command and control centers.

• Police and public safety digital NOCs.

• Financial transaction monitoring.

• Enterprise-wide IT service monitoring.

• Data center operations analytics.

**Platform Components:**

| Component | Function |
|---|---|
| Network Monitor | SNMP-based device monitoring (Layer 2/3) |
| Metrics Engine | Prometheus-powered real-time data collection |
| Dashboard Visualizer | Grafana dashboards + HTML5 modern UI |
| Topology Engine | Auto-discovery of network infrastructure |
| AI Chatbot | Arabic-English assistant for troubleshooting |
| Database Insights | Monitoring of DB performance and latency |
| App Tracer | Application performance and response time insights |

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