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THE RISING DEMANDS OF AI ON ENTERPRISE NETWORKS — AND HOW UCRESOLUTION OPTIMIZES INFRASTRUCTURE TO MAXIMIZE ROI

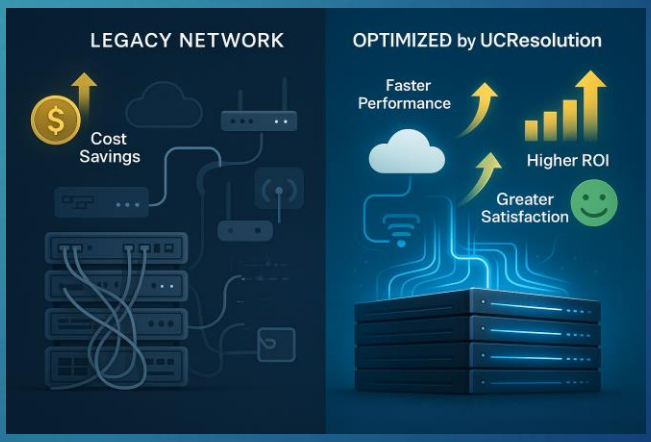
Artificial Intelligence (AI) is transforming industries, but its success hinges on one often-overlooked factor: the **. Without the ability to move, process, and secure vast amounts of real-time data **network infrastructure**, even the best AI initiatives will underperform or fail outright. As businesses rush to adopt AI, many are discovering that **legacy networks** are not equipped for the speed, volume, and complexity AI demands — leading to wasted investments, performance bottlenecks, and significant revenue loss.

According to a 2023 IDC study, businesses with outdated network infrastructures see an average 27% decrease in AI project success rates, and Gartner reports that network-related downtime costs enterprises an average of $5,600 per minute. The cost of "doing nothing" is rapidly outpacing the cost of modernization.

Why NETWORK Matters

AI is no longer optional. Businesses that adopt AI smartly are gaining clear competitive advantages in areas of employee retention and satisfaction, business revenue, and marketplace relevancy.

UCResolution helps organizations **strategically modernize their networks** to meet AI demands without overspending. We optimize existing infrastructure, introduce targeted new components only where necessary, and deliver a future-ready, cost-efficient environment that empowers AI to deliver real business value



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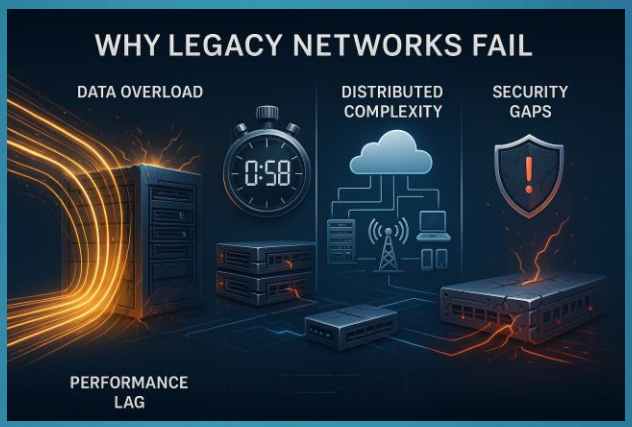
WHY AI BREAKS TRADITIONAL NETWORKS

1. Explosive Data Growth

- AI applications constantly ingest, process, and output massive datasets
- IDC projects that by 2027, AI workloads will generate over 50% of all enterprise network traffic
- Legacy networks struggle to scale horizontally to accommodate this surge.

2. Real-Time Performance Requirements

- AI decision-making often needs sub-second latency.
- Even small delays can impact AI output accuracy, customer experience, and operational efficiency
- Traditional architectures, built for static traffic patterns, are ill-suited for dynamic, low-latency requirements.



3. Distributed Data Sources and Edge Processing

- AI is increasingly decentralized, operating across cloud, data center, and edge environments.
- Networks must now seamlessly integrate these layers to avoid data bottlenecks.

4. Security and Governance Challenges

- AI-driven data flows dramatically expand attack surfaces.
- Legacy perimeter-based security models leave gaps in lateral movement protection.