REAL-TIME INFRASTRUCTURE HEALTH MONTIORING & PREDICTIVE MAINTENANCE FOR VIRTUAL MACHINES USING ML

Real-time VM health monitoring & predictive maintenance using ML for proactive failure detection.

Unplanned VM downtime disrupts operations, increasing costs and reducing efficiency.

Businesses face VM downtime, performance issues, and high costs due to reactive monitoring. The ideal solution integrates real-time monitoring with ML-based predictive maintenance to detect failures early, optimize resources, and ensure system reliability.

Primary challenges

Businesses struggle with VM downtime, performance degradation, and high costs due to reactive monitoring. Traditional methods fail to predict failures, leading to inefficiencies and disruptions in critical operations.

Ideal solution

A real-time ML-driven predictive maintenance system continuously monitors VM health, detects anomalies, and forecasts failures. By leveraging Azure’s live data streams, businesses can prevent downtime and optimize resource utilization.

Desired outcomes

With proactive monitoring, businesses reduce unexpected VM failures, improve operational efficiency, and lower costs. Automated alerts and real-time dashboards ensure system reliability and enable informed decision-making.

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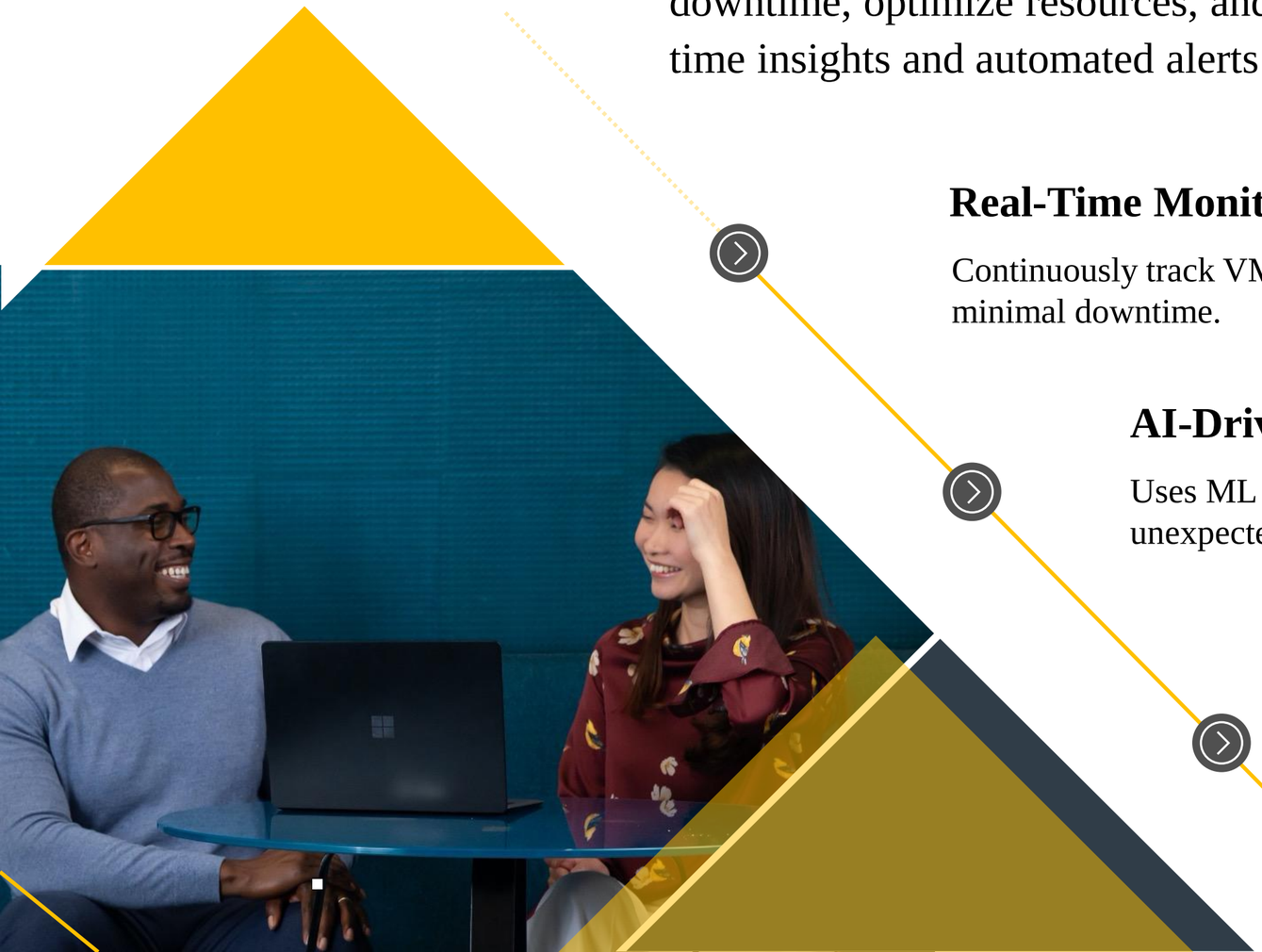
Proactive VM health monitoring with AI-driven predictive maintenance to prevent downtime, optimize resources, and reduce costs. Ensure system reliability with real-time insights and automated alerts for seamless operations.



Real-Time Monitoring & Alerts

Continuously track VM health with instant alerts, ensuring proactive issue resolution and minimal downtime.

AI-Driven Predictive Maintenance

Uses ML models to predict failures, optimize performance, and prevent unexpected disruptions in operations.

Optimized Resource Utilization

Dynamically scale workloads, reduce over-provisioning, and lower operational costs with data-driven insights.

Neostats Analytics Solution, Real-Time Infrastructure Health Monitoring & Predictive Maintenance for Virtual Machines Using ML and Microsoft Azure & MS Fabric

Leveraging Microsoft Fabric and Azure, our AI-driven predictive maintenance solution enhances VM health monitoring by analyzing real-time telemetry data from InsightMetrics, Event, Syslog, and more. Our ML models detect anomalies and predict failures before they impact operations. With Eventhouse storing predictions and Power BI dashboards for visualization, businesses reduce downtime, optimize resources, and improve efficiency. Customers have seen up to 40% fewer VM failures and a 30% cost reduction by integrating our intelligent monitoring with Microsoft's cloud ecosystem, ensuring seamless infrastructure management and resilience.

Predictive Maintenance with Microsoft Fabric

Our AI-driven solution leverages Microsoft Fabric to analyze real-time VM data, detect anomalies, and predict failures, minimizing downtime.

Real-Time Monitoring with Microsoft Fabric

Azure-powered monitoring continuously tracks VM health, detects performance issues, and optimizes resource utilization for maximum efficiency.

Failure Prediction & Insights with Microsoft Fabric

Microsoft Fabric’s analytics enable early failure detection, real-time alerts, and data-driven decision-making to enhance VM reliability.

Neostats Analytics Solutions PVT. LTD

Get a free trial

Call for more information: [+91 63663 69928]

Ask a question via email: [sales@theneostats.com]

Learn more

See our offer on the Microsoft Commercial Marketplace