



Decrease Mean Time to Repair with the AIOps Early Warning System from LogicMonitor



When it comes to IT infrastructure monitoring, complete visibility is no longer enough

Instead, engineers and administrators need a more intelligent platform that provides meaningful insights from this visibility and helps them determine where their attention is needed to maximize uptime and performance. That's why LogicMonitor created an AIOps Early Warning System, which identifies and warns users of issues before they arise, helping speed up the meantime to repair and prevent downtime altogether. With dynamic thresholds, root cause analysis, and forecasting LogicMonitor intelligently identifies signals from noise and makes these signals more actionable for IT ops teams, so they can proactively fix issues before they result in business impact.

Benefits of an AIOps Early Warning System:

- Identify issues more quickly and pinpoint the origin of a problem, without clouding your focus with side effects from the original issue.
- Zero in on resources that cause outages and speed up your mean time to repair.
- Ensure alerts are only sent for anomalies, reducing alert noise and fatigue while helping to eliminate the need for manual threshold tuning.
- Find issues that deviate from the norm to maximize performance, prevent downtime, and increase IT efficiency.

Dynamic Thresholds

Dynamic thresholds use anomaly detection algorithms to detect a resource’s expected performance range based on historical data and ensure alert notifications are only sent out for anomalous values outside of this range. Dynamic thresholds catch anomalies in metric values, metric rate of change, and metric patterns (such as a drop in traffic where it isn’t normal) that traditional static thresholds may not detect. In addition, dynamic thresholds can be used to reduce noise where static thresholds aren’t tuned well, so you can ensure your team is focusing on what’s really important.

Increase IT efficiency

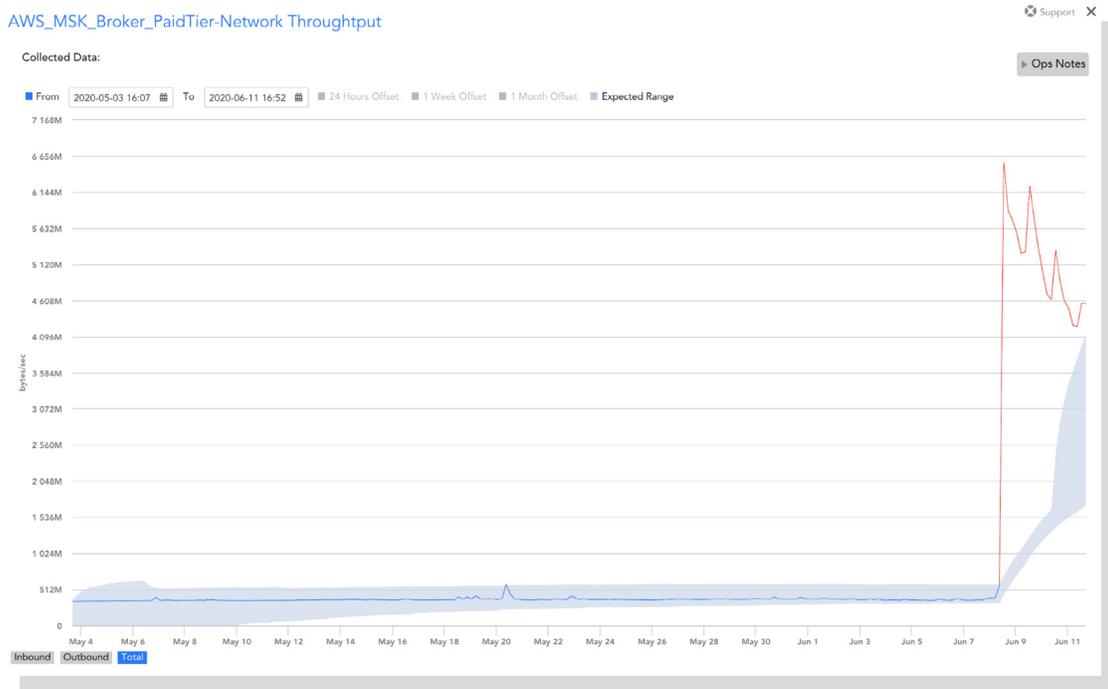
Customizing thresholds can be time-consuming & difficult for large environments. With dynamic thresholds, we’ll ensure that alerts are only sent for anomalies, eliminating the need for manual management of monitoring & enabling you to increase your monitoring ROI.

Detect issues sooner

Dynamic thresholds enable teams to understand expected performance and where performance deviates from what’s normal & needs attention, before these deviations are caught by traditional thresholds.

“Using LogicMonitor’s AIOps Early Warning System, you can easily see and understand potential issues in the system and be more proactive in resolving them. This is a great feature that is helpful in many use cases across IT infrastructures.”

IDAN LERER, SR. DIRECTOR, US OPERATIONS AT OPTIMALPLUS



An anomaly in network throughput (highlighted in red) caught by dynamic thresholds

Root Cause Analysis

With root cause analysis, LogicMonitor uses automatically discovered relationships between monitored resources to identify the root cause for triggered alerts and notify users of the originating issue, while preventing notifications for dependent resources in alert. When a core or root device goes down affecting connectivity for downstream devices, Root Cause Analysis (RCA) will identify the originating and dependent resources and subsequent alerts and disable notifications for dependent resources.

Reduce alert fatigue

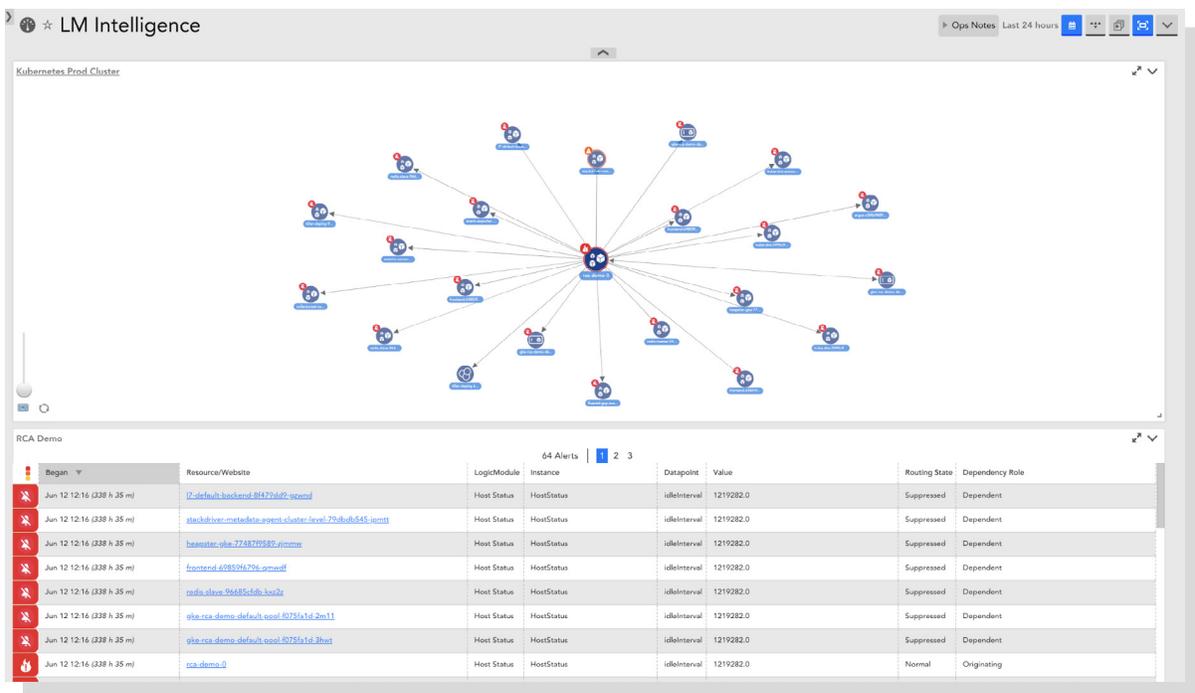
Users are only notified for the root cause issue allowing them to focus on what's important without getting overwhelmed by dependent side-effect issues.

Improve MTTR

Alert notifications that identify the root cause and filterable in-app alert data enable your team to zero in on resources that play a key role in outages & more quickly identify and resolve issues.

“Linux machines notoriously generate lots of CPU performance alerts. These machines are being highly utilized intentionally and well within their limits, but it’s creating noise, with LogicMonitor’s dynamic thresholds, we only get alerted when CPU is truly abnormal.”

JASON SMITH, ASSOCIATE DIRECTOR AT AGIO



A dashboard showing a topology map of a Kubernetes cluster with an alert overlay, and an alert widget that shows dependent alerts grouped with an originating alert (as determined by LogicMonitor’s root cause analysis feature)

Forecasting

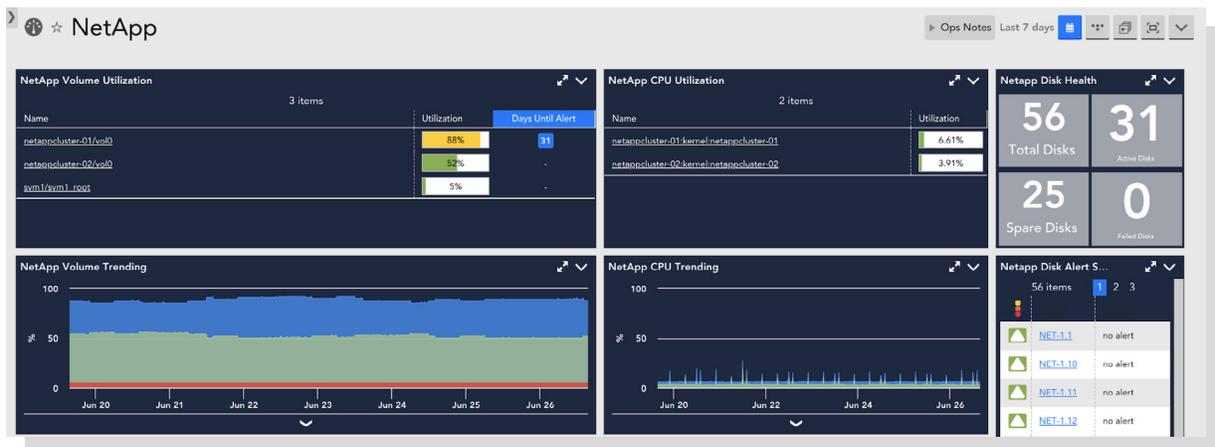
LogicMonitor’s data forecasting allows you to predict future trends for your monitored infrastructure, using past performance as the basis. Forecasting is an AIOps tool that is very helpful for issue diagnosis and mitigation and can help you determine whether an alert represents a one-time anomaly, requires immediate attention, or will require attention in the near future.

Proactively prevent issues

Forecasting can help you identify upcoming issues before they trigger alerts, so you can prevent downtime.

Budget planning and resource management

Infrastructure components that have lifetimes or capacity associated with them, forecasting based on the predicted health and performance of your monitored devices can provide insight into the timeframe and magnitude of recurring events, as well as upcoming expenses.



A dashboard displaying volume utilization and forecasted days until alert

Intelligent, unified monitoring platforms allow enterprises to predict and plan for what’s ahead. Monitoring helps businesses move from asking “what happened?” to predicting what’s coming, solving problems before they start, and using data to unlock opportunities. LogicMonitor is an agentless, automated monitoring platform that provides comprehensive coverage of hybrid cloud and on-prem environments. Click below to learn more or request a free trial of LogicMonitor’s monitoring solution.

Try it free