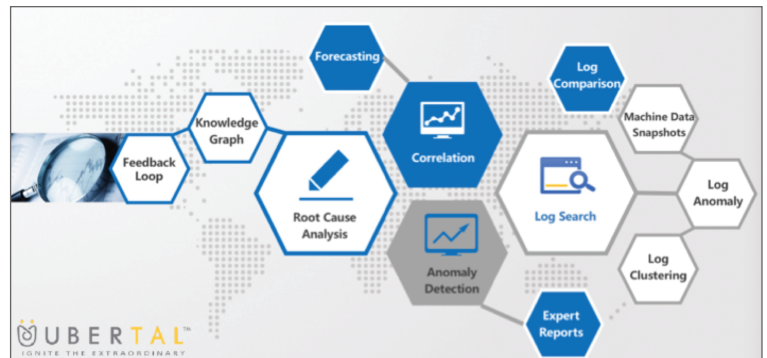


Ovela™ AIOps

Get down to the bottom of system downtime faster

Ubertal's Ovela AIOps is an artificial intelligence based solution using machine learning to monitor and analyze big data collected across the IT infrastructure landscape (OS, applications, middleware, big data platform, database, logs, events, network metrics, among others). Ovela AIOps pinpoints root causes, recommends solutions and identifies problems before they occur.

Modern enterprise IT infrastructure has evolved to become increasingly complex, with the wide adoption of cloud and micro-service based infrastructure. As a result, IT organizations are facing mounting challenges to operate such systems effectively and efficiently. Traditional monitoring tools focus mostly on data collection, visualization and simple statistical reporting and are not up to the task to quickly help identify issues and address them. They rely heavily on manual intervention and the personal skills and experiences of the user in detecting tasks such as fault isolation, alert processing, recoveries, and resource planning. Ubertal's Ovela AIOps platform utilizes machine learning and AI algorithms to achieve quick root cause analysis of system failures, predict system issues, and even perform self-recovery.



Key Features

- Cross system, multi-platform monitoring and analytics. SaaS, on premise and hybrid deployment
- Multiple data collecting methods: agent, API push, existing 3rd party APM and monitoring tools data integration
- Cross systems: networks, OS, middle-tier services and databases, and business applications
- Multiple data sources and formats: metrics, logs and events. Not only collection, but also integration and correlation
- Anomaly detection to identify problems before they occur
- Ability to comb through data in the system and surface hidden problems to operators
- Learn history data to understand the normal range of a metric. No need to set a fixed number as alert threshold



Aggregation of duplicate alerts and alerts with the same root cause, significantly reducing the overall number of alerts

- Support multiple alert methods: metrics alerts, log-based alerts, etc.
- Use multiple algorithms and techniques to reduce duplicated alerts, surfacing only distinct ones
- Leverage RCA algorithm to aggregate alerts with high relevance (high probability of causality relationship)
- Reduce alerts in multiple orders of magnitude

Fault isolation, root cause analysis, reduced recovery time

- Support multiple alert methods: metrics alerts, log-based alerts, etc.
- Use multiple algorithms and techniques to reduce duplicated alerts, surfacing only distinct ones
- Leverage RCA algorithm to aggregate alerts with high relevance (high probability of causality relationship)
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Anomaly detection algorithm to find outlier automatically

Business KPI based resource forecasting enabling support for business growth and avoidance of IT resource bottlenecks

- Resource planning based on forecasting algorithm
- Assist in server and service planning
- Assist in business growth and removing IT bottlenecks



Ubertal's Ovela AIOps solution is being used by global customers in the energy, transportation and financial services industries. Some of their realized benefits include:

- Reduced fault locating time by up to 90%
- Reduced server down time by 80%
- Reduced DevOps cost by 50%



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