

Machine Learning for Autonomous IT Operations

How businesses are removing cost and risk from IT Operations.

MANAGING TODAY'S COMPLEX ENVIRONMENTS

New technologies are transforming industries, but present new obstacles.



Alerts

Every week, organizations receive around

17,180

IT Security- and Management-related alerts.^{1,2}

Cost

A single outage can cost organizations

US\$150 million.³



Speed and Resources

60%

of IT executives say the amount of resources required to manage and maintain legacy infrastructure is damaging their organization's competitiveness.⁴



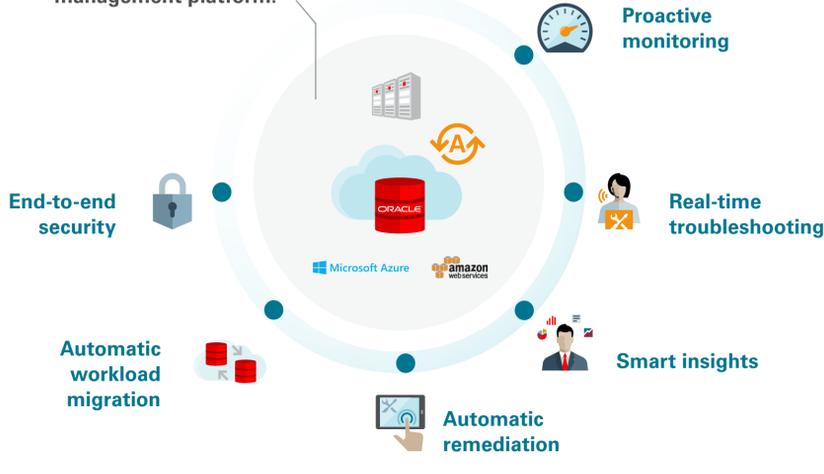
94%

of IT executives think their business stakeholders are not satisfied with the rollout speed of new application features.⁵

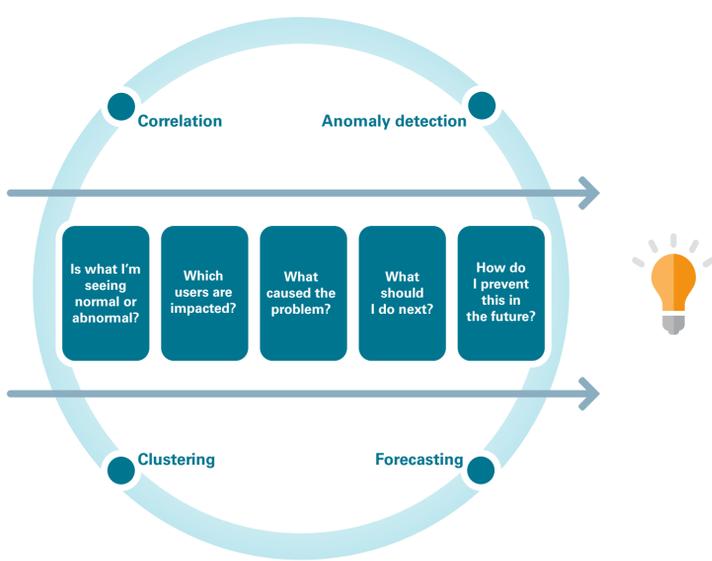
THREE PILLARS OF AUTONOMOUS OPERATIONS

AI-powered, automated and autonomous, built on 3 fundamentals.

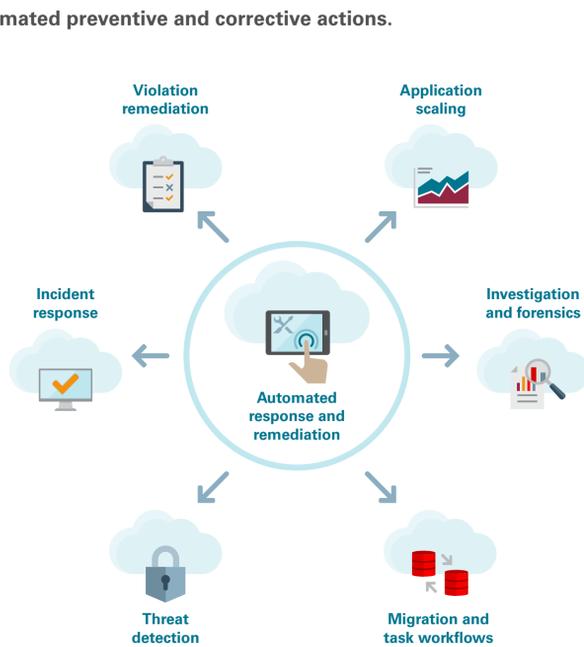
1. Comprehensive, intelligent management platform.



2. Zero-effort operational insights.



3. Automated preventive and corrective actions.



INTRODUCING ORACLE MANAGEMENT CLOUD

A suite of autonomous management services that leverage machine learning and big-data techniques—helping eliminate the risk associated with human effort and costs associated with using traditional solutions for monitoring, managing, and securing applications and infrastructure.



Reduce costs

A private, US utility company cut outage-related expenses by

US\$6.4 million

a year.

Reduce risk

Automotive electronics firm Promata leveraged our embedded machine learning to cut troubleshooting times and the risk of application downtime by

50%.⁶



Increase uptime

The State Revenue Service of Latvia reduced application downtime by

75% for one application.⁷

Improve productivity

Compasso IT services organization Promata was able to automatically identify and resolve anomalies, and also increased productivity by

50%.⁸



YOUR NEXT STEPS



To learn how Oracle Management Cloud can help transform your day-to-day processes into tomorrow's autonomous IT operations, visit:

oracle.com/managementcloud

Join our communities

1 Ponemon Institute, "The Cost of Malware Containment," January 2015, ponemon.org/local/upload/file/Damballa_Malware_Containment_FINAL_3.pdf.
2 Orlee Berlove, "The State of Alerting in the IT Ops World," DevOps.com, January 11, 2018, devops.com/state-alerting-it-ops-world/.
3 Yevgeniy Sverdluk, "Delta: Data Center Outage Cost Us \$150M," DataCenter Knowledge, September 8, 2016, datacenterknowledge.com/archives/2016/09/08/delta-data-center-outage-cost-us-150m.
4 Ibid.
5 Forrester, "Put The 'Ops' In 'DevOps'," August 2016, oracle.com/us/products/middleware/put-the-ops-in-devops-3126783.pdf.
6 Oracle, "Oracle Management Cloud: Customer Reference Lookbook," oracle.com/us/solutions/cloud/oracle-management-cloud-customers-4031882.pdf.
7 Ibid.
8 Oracle, "Compasso Boosts IT Productivity by 50%," video.oracle.com/detail/videos/most-recent/video/5793907006001/compasso-boosts-it-productivity-by-50?autoStart=true.