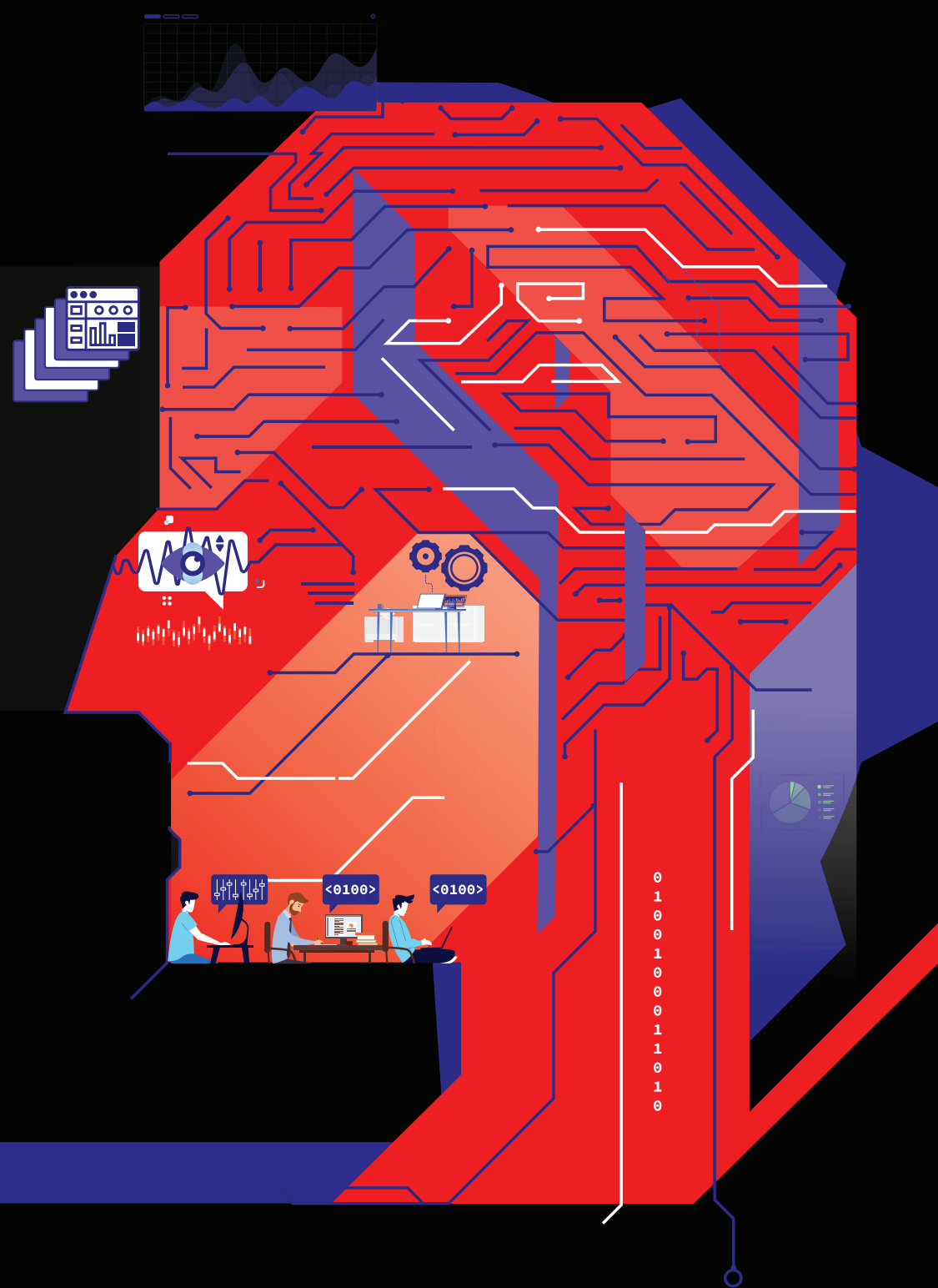


5 AIOps Mistakes to Avoid



The AIOps Opportunity in 2021

“AIOps will become the foundation for automation: AI and ML technology and solutions will be used to drive contexts from complex and distributed systems to help contextual automation across development and operations.”¹

-- Bhanu Singh,
VP Product Development
and Cloud Operations,
OpsRamp

Artificial Intelligence for IT Operations gained steam in 2020, with more vendors appearing on the market and IT analysts paying closer attention to the space. While research shows growing interest in AI technologies and positive business outcomes, there remains significant risk to success.

- In a 2020 McKinsey report on AI, 50% of respondents report that their companies have adopted AI in at least one business function. Respondents at high-performing companies are nearly twice as likely as others to report earnings before interest and taxes (EBIT) growth in 2019 of 10 percent or more.²
- IDC expects that 60% of IT organizations will deploy artificial intelligence (AI) to “augment, streamline, and accelerate IT operations” through 2022.³
- Gartner, however, found that over the last two years, nearly 50% of enterprises have failed to transition AI projects from proof of concept stage to production deployments.⁴

¹[2021 Application Performance Management Predictions, APM Digest](#)

²[The State of AI in 2020, McKinsey & Company](#)

³[IDC Worldwide CIO Agenda 2020 Predictions](#)

⁴[AI Project Failure Rates Near 50%](#)

Avoiding Common Mistakes

As AIOps matures, IT organizations are learning valuable lessons regarding how to select and implement the software, train users, grow trust in the technology and increase adoption and ROI.

Read on for common mistakes to avoid and mitigate for a fruitful AIOps program.

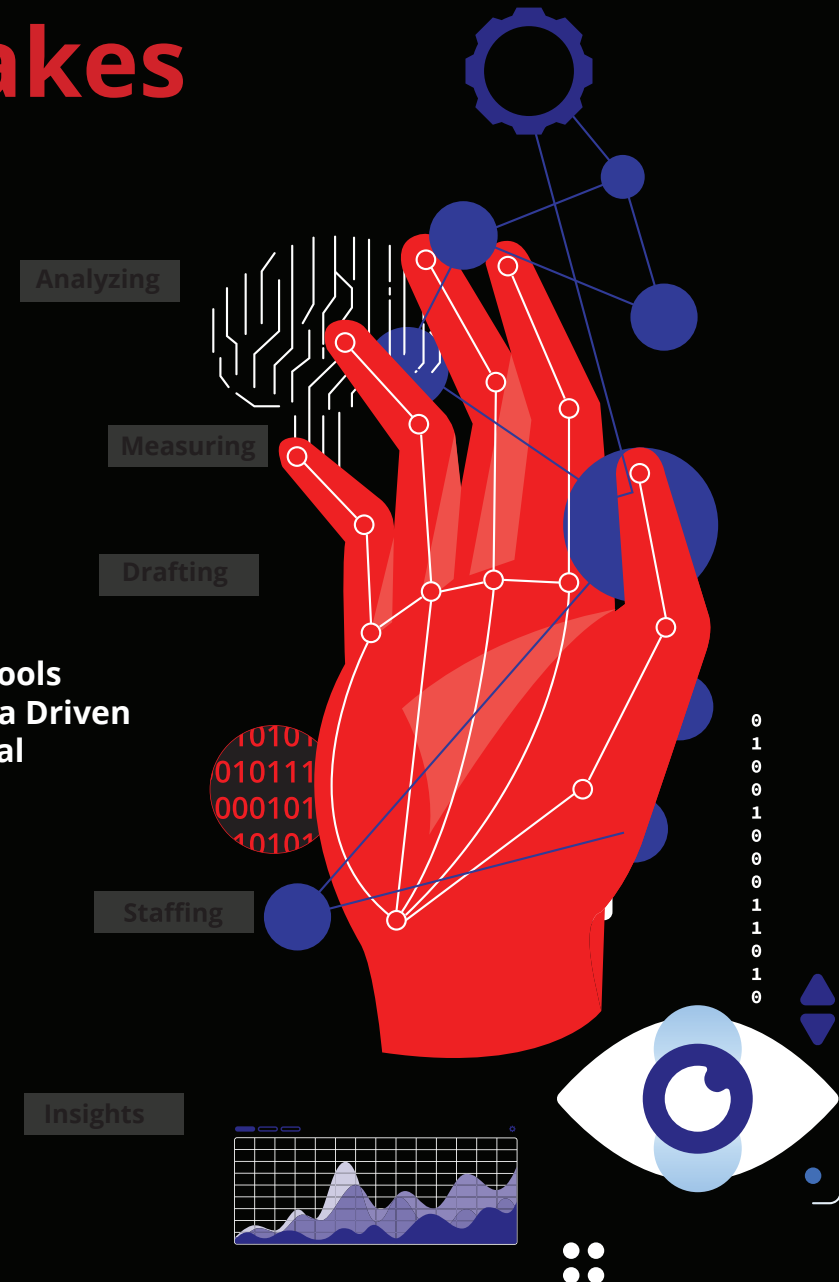
Mistake #1
Not Analyzing Your Current State of IT Operations

Mistake #2
Not Measuring the Business Outcomes You Wish to Achieve with AIOps

Mistake #3
Not Drafting a Tools Selection Criteria Driven by Organizational Priorities

Mistake #4
Not Staffing a Center of Excellence

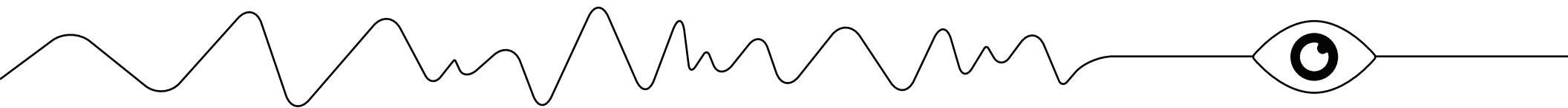
Mistake #5
Not Marrying Human Insights with Machine Data Intelligence



Mistake #1: Not Analyzing Your Current State of IT Operations

Technology leaders planning to purchase an AIOps platform should take a close look at how their teams handle incidents. Start with a playbook that documents how teams respond to problems and analyzes the effectiveness of incident resolution processes. Here are questions to consider:

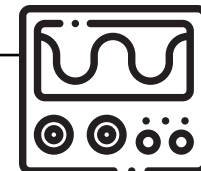
- **Technology landscape.** What application and infrastructure platforms are you currently supporting? How do you expect the IT estate to change over the next few years?
- **Tools portfolio.** Which IT operations tools (infrastructure monitoring, application performance monitoring, event correlation, and service desk) are you currently using? Are there any plans to retire or consolidate existing tools?
- **Process.** What does it currently take (stakeholders, tools, and workflows) to troubleshoot a critical outage? How long does it take to identify an incident and assign it to the right stakeholders?
- **Challenges.** What issues do your teams face while identifying, troubleshooting, and resolving issues?
- **Measurement.** What metrics are you using to track customer satisfaction and how do they inform your incident management key performance indicators (KPIs)?
- **External support.** Are you using managed service providers or external consultants to support your event management workflows?



Mistake #2: Not Measuring the Business Outcomes You Wish to Achieve with AIOps

There are clear business benefits to a data-driven approach for event and incident management, yet IT leaders should also consider the effort involved in a successful implementation:

- **Business problems.** What issues are you trying to address, such as lower failure rates or decrease in support tickets, with modern incident management tools?
- **Productivity.** How much time can your teams save by ignoring false alarms, building static rules for event suppression, and creating war rooms for root cause diagnostics?
- **Automation.** How much effort can you save by auto-assigning incidents to the right on-call teams or triggering process workflows for automatic problem resolution?
- **Data requirements.** Have you identified different sources of historical and streaming data that will feed into your AIOps platform and analyzed the time taken for data preparation, modeling, standardization, and cleansing?
- **Expertise.** What training will your staff need to work with modern event management tools that use machine learning algorithms and statistical insights and will you need professional services to supplement your internal teams?

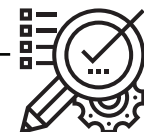


Mistake #3: Not Drafting a Tools Selection Criteria Driven by Organizational Priorities

IT professionals gravitate towards feature comparison checklists while evaluating different AIOps tools. Tool selection should also rest on specific use cases that contribute to business outcomes such as better customer support or quicker problem resolution.

Consider the following factors while drafting the tools selection checklist:

- **Workflows.** How does the vendor support and enhance current incident management workflows and support critical use cases?
- **Integrations.** Does the vendor offer out-of-the-box support for my existing infrastructure and tools portfolio?
- **Partner ecosystem.** Does the provider have partnerships and alliances with leading managed service providers and popular IT operations tools?
- **Secret sauce.** What proprietary and industry-standard machine learning algorithms and data science techniques does the technology vendor incorporate?
- **Approaches.** Does the provider use different techniques (algorithmic, statistical, or topology-infused) for root cause(s) analysis? What support will the vendor provide to mimic current rules-based approaches for event filtering, classification, and analysis?
- **Product roadmap.** How does the vendor plan to enhance product functionality and usability over the coming months and quarters?
- **Metrics.** How does the vendor track and surface critical KPIs for event management?



Mistake #4: **Not Staffing a Center of Excellence**

A cross-functional tiger team known as the Center of Excellence (CoE) ensures alignment with business requirements, delivers an incremental approach for deployment, and shares best practices for accelerating the AIOps journey. Here's how IT leaders can support the CoE:

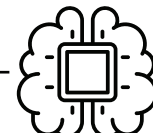
- **Executive sponsorship.** Does the CoE have strong executive support to prescribe and govern the AIOps implementation framework? Does senior leadership make it a point to emphasize the importance of the CoE's work during their weekly staff meetings?
- **Multidisciplinary organization.** Does the CoE have the right skills that combine business context and technical chops for defining solution architecture, managing change, and driving value creation?
- **Upskilling.** Has the organization invested in refresher training courses for CoE staff on statistical pattern analysis, machine learning, and vendor-specific certifications to ensure successful transformation?



Mistake #5: **Not Marrying Human Insights with Machine Data Intelligence**

An implicit goal of AIOps deployments is to shrink overall staff working on incident management. While IT leaders can redeploy existing staff once their AIOps platform has matured, headcount reduction should not be the major focus of the initiative. Your AIOps project will be an abject failure unless your employees share their insights to refine and optimize algorithmic recommendations for event management. Here are some considerations:

- **Collaboration.** How do IT staff work with data scientists to drive better pattern recognition, anomaly detection, and elimination of repetitive incidents?
- **Explainability.** How do you build trust and confidence in modern analytical approaches for IT performance management, such as by displaying data on the effectiveness of AI-based recommendations?
- **Cognitive enhancement.** How do you deliver data-driven insights to improve a human operator's ability to recognize issues and enable faster resolution?

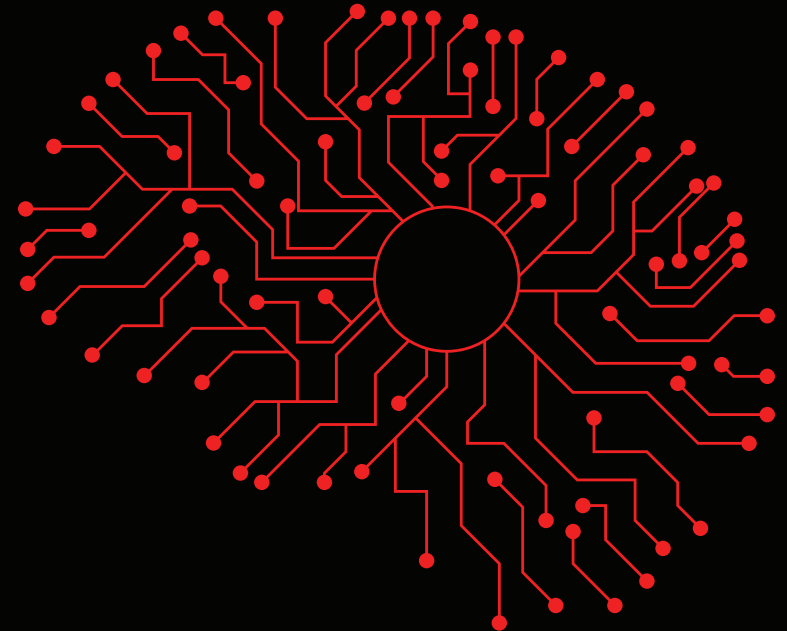




About OpsRamp

OpsRamp allows enterprise IT teams and managed service providers to successfully deliver their applications and control the chaos of modern digital infrastructure. We do this through hybrid discovery and monitoring, event and incident management, remediation and automation, powered by AIOps. With OpsRamp, organizations can avoid costly outages and performance issues that result in lost revenue and productivity.

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