

# Autonomous Cyberspace Operations

Leveraging Emerging Technologies to Secure, Operate, and Defend Cyberspace

# TODAY'S CHALLENGES WITH NETWORK AND SECURITY OPERATIONS

## **Increasing Complexity and Scale**

- Thousands of diverse technology components generating large volumes of data
- Complex, dynamic interdependencies
- Fragmented and domain-based security and management tools

## **Lack of Context**

- No unified data store or central view of issues and resulting impact on missions
- Lack of details increases the time to determine root cause and initiate fix actions

## **Lack of Analytics and Automation**

- Manual processes, triage, and remediation are unable to adapt quickly to change
- Higher MTTR impacts mission readiness
- Rising risks of human error

# ADVANCING CYBERSPACE OPERATIONS THROUGH AIOPS



# KEY BENEFITS TO THE WARFIGHTER

- **Deliver Actionable Insights**
  - Surface signals by reducing noise to focus on what's important
  - 4,500+ Anomalies detected proactively
  - 6 Months Prediction of Capacity/Performance Issues
- **Increased Operational Agility**
  - Spot trends and pinpoint root causes using analytics across all available data
  - 96% MTTR Reduction
  - 90% incidents self-healed
- **Increase Productivity**
  - Autonomous incident resolution with over 12K ready-to-use workflows
  - 144K tickets handled automatically
  - Over 20 FTEs (38,400 man-hours) saved over 2 years
  - 21,500 incidents auto-triaged
- **Reduce Operational Risk**
  - Continuous compliance with configuration baselines, security controls, and policies
  - 100% Auto-Patching & Compliance
  - 800+ Auto-patching & Compliance Controls

*Q & A*  
*TIME*



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