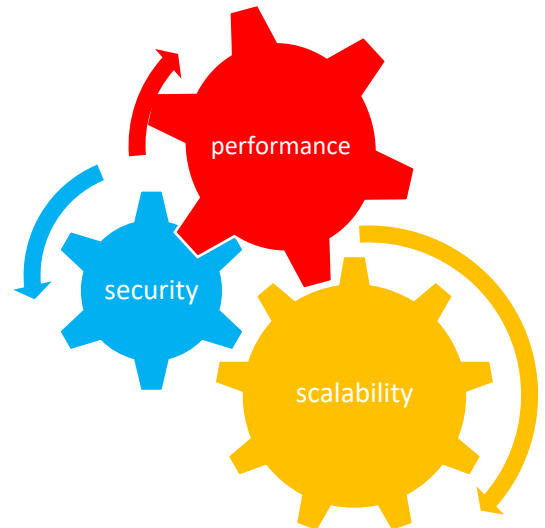


Pronteff's Expert Consultancy – Comprehensive Health Checks for IBM Middleware & Other Platforms

MQ | App Connect | API Connect | DataPower | Sterling | Instana | RedHat OpenShift

What is it?

We conduct a comprehensive review of your middleware environment, covering IBM Cloud Pak for Integration (CP4I) (IBM API Connect, IBM MQ, IBM App Connect, IBM DataPower), IBM Sterling, IBM Instana, and Red Hat OpenShift. With deep expertise managing these technologies for numerous customers daily, we help identify potential gaps and inefficiencies in your processes and technology stack. Our assessment provides a prioritized list of recommendations to enhance performance, security and scalability.



How does it work?

- **Initial Consultation:** We engage with your technical teams to understand your environment, including installed technologies, architecture, processes, and existing challenges.
- **In-depth Analysis:** We conduct a detailed assessment of your middleware environment, evaluating performance, security, configurations, integrations, and scalability.
- **Detailed Report:** We provide a comprehensive report with findings and a recommended roadmap to optimize your environment. The report includes what's working well and what needs improvement, along with a prioritized action plan.

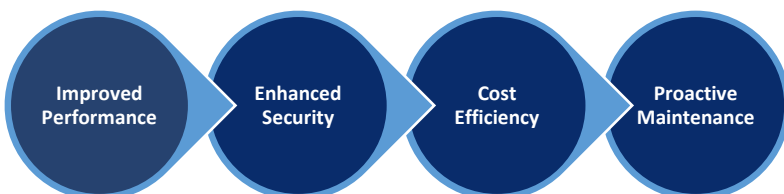
Benefits

Improved Performance: Identify and resolve bottlenecks to enhance system efficiency.

Enhanced Security: Ensure your middleware complies with the latest security standards and regulatory guidelines.

Cost Efficiency: Optimize resource usage and reduce unnecessary expenditures.

Proactive Maintenance: Get ahead of potential issues with actionable recommendations.



Why Choose Pronteff?

Expertise: We manage dozens of IBM middleware environments daily, ensuring deep technical insight.

Long-term partnership: We view our IBM customers as partners and build trust by helping you realize the full value of your IBM software.

Comprehensive Approach: We look at both technology and processes to provide holistic recommendations.

Customer Centric: We meet you where you are and recommend solutions specific to your situation and business needs.

Health Check Checklist

System Hardware Resources

Production Hardware Resource & Usage.
UAT Hardware Resource and Usage.
DR Hardware Resource and Usage (in case of Active-Active setup).

Current Middleware Architecture Overview

Existing network Topology and Architecture Diagrams.
Low Level & High-Level Design documents.
Product Version Deployed Details.

Security and Compliance

Middleware Security Architecture.
Authentication, Authorization & Encryption Mechanisms includes algorithms.
OWASP in API Connect Context.
Compliance with Regulatory Standards.
Vulnerability Assessment and Risk Mitigation Strategies

Performance and Scalability

Performance Benchmarks and tuning.
Load Balancing and high availability strategies.
Bottleneck identification and resolution.

DR and Backup Strategies

DR Plan and Business Continuity for Middleware Components.
Backup and Restore Procedures.
DCDR Switchover Checklist.
Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO).

Existing Environment Issues

Routing Issue.
Analytics Issue.
Management Issue.
High resource Utilization issues.
Operational issues.

Recommendations

Short-term & Long-term Improvements

- ✓ Optimize configurations for IBM MQ, IBM App Connect, and API Connect to improve messaging reliability and API performance.
- ✓ Implement fine-tuned security policies in IBM DataPower to enhance API security.
- ✓ Improve logging, monitoring, and analytics in IBM Instana for proactive issue detection.
- ✓ Optimize Red Hat OpenShift environments for better resource utilization and workload management.

Suggest Upgrades and Enhancements

- ✓ Enhance API Connect's governance framework for better API lifecycle management.
- ✓ Implement advanced automation capabilities in IBM App Connect for improved integration efficiency.

- ✓ Upgrade IBM MQ to the latest stable version for improved messaging efficiency.
- ✓ Strengthen DR strategies with the latest backup and recovery solutions for IBM Sterling and other critical systems.

Architecture Governance & Continuous Improvement Plan

- ✓ Establish a structured governance model for managing IBM Cloud Pak for Integration components.
- ✓ Implement regular health check assessments to monitor ongoing performance.
- ✓ Develop an upgrade roadmap for all IBM and Red Hat products to ensure continued compliance and efficiency.
- ✓ Enable CI/CD pipelines for OpenShift deployments to improve development and deployment agility.

Monitoring & Observability Improvements

- ✓ Implement IBM Instana for real-time observability across all integration layers.
- ✓ Establish proactive alerting and monitoring for IBM MQ and App Connect workloads.
- ✓ Optimize log management in OpenShift for efficient issue tracking and troubleshooting.

Security Enhancements & Compliance

- ✓ Strengthen authentication and access control mechanisms for API Connect and DataPower.

- ✓ Implement automated security patching strategies for Red Hat OpenShift.
- ✓ Conduct periodic vulnerability assessments to align with industry security standards.

Other recommendations

- ✓ Upgrade Strategies
- ✓ Application Level Recommendations
- ✓ Administrative & Development Enhancements
- ✓ SOP Enhancements.

Health Check Report

Critical Findings & Immediate Actions (High Priority)

- ✓ Summary of critical issues that need urgent attention.
- ✓ Security vulnerabilities and compliance risks.
- ✓ High-impact performance bottlenecks.
- ✓ Recommendations for immediate fixes

Comprehensive Health Check (High Priority)

- ✓ Overview of the middleware environment.
- ✓ Findings related to performance, security, and scalability.
- ✓ Architecture review and compliance assessment.
- ✓ Detailed recommendations and action plan.

Performance Optimization & Resource Utilization (Medium Priority)

- ✓ System performance benchmarks and tuning recommendations.
- ✓ CPU, memory, and storage usage analysis.
- ✓ Load balancing and scaling strategies.
- ✓ Proactive monitoring and observability improvements.

Security & Compliance Assessment (Medium Priority)

- ✓ Security posture review.
- ✓ Compliance with industry standards and regulatory guidelines.
- ✓ Vulnerability assessment and risk mitigation strategies.

Disaster Recovery & Business Continuity Plan (Medium Priority)

- ✓ DR readiness evaluation.
- ✓ Backup and restore strategy effectiveness.
- ✓ RTO and RPO validation.

Long-Term Strategic Recommendations & Roadmap (Low Priority)

- ✓ Suggested middleware upgrades and enhancements.
- ✓ Continuous improvement strategies for architecture governance.
- ✓ Future technology adoption recommendations.

How long does it take?

A typical health check takes up to 6 weeks, subjected to the level of details ordered.

For more information or to schedule a health check, please contact us at: sales@pronteff.com

www.pronteff.com