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SERVICES · DATASHEET

# Health Check

A structured review of infrastructure, security, performance, and capacity across your IBM Cloud Pak for Data and IBM DataStage environment.

The nFolks Health Check goes beyond routine maintenance — combining in-depth analysis, evaluation, and prioritized recommendations to keep your data platform stable, secure, and performing as your business grows.

8 review domains

Findings & remediation report

Prioritized action plan

## OVERVIEW

## A holistic view of your IT environment

Organizations depend on their IT infrastructure to drive operations and deliver value. The nFolks Health Check provides the in-depth analysis needed to keep that infrastructure optimal, stable, and secure.

The engagement moves beyond routine maintenance and support to deliver detailed evaluation and concrete recommendations across eight domains — infrastructure, software configuration, security and compliance, performance, data protection, scalability, documentation, and best practices. The result is a clear picture of where your environment stands and a prioritized path to improving it.

## REVIEW DOMAINS

## What the Health Check examines

- ✓ **Infrastructure assessment.** Servers, storage, and networking devices reviewed for optimal capacity, alongside the operating systems, virtualization, and middleware that run on them.
- ✓ **Software configuration.** Installation, patch levels, and compatibility verified across operating systems, databases, middleware, and applications.
- ✓ **Performance analysis.** CPU, memory, disk I/O, network throughput, and response times monitored to locate constraints and inefficiencies.
- ✓ **Network architecture.** Bandwidth, latency, and security measures evaluated to surface bottlenecks and vulnerabilities.
- ✓ **Security & compliance.** Firewalls, intrusion detection, access controls, and encryption assessed, with checks against standards such as GDPR and PCI DSS.
- ✓ **Data protection.** Backup solutions, replication, and disaster recovery reviewed against retention policies, RTOs, and RPOs.

## INFRASTRUCTURE &amp; CONFIGURATION

## A foundation that holds

The review begins with the infrastructure itself — confirming that hardware operates at optimal capacity and that the software stack is current and correctly configured. The software configuration review then examines installation, patch levels, and compatibility in detail, identifying misconfigurations and vulnerabilities and pinpointing where tuning will improve stability, security, and efficiency.

## WHY IT MATTERS

Small configuration drifts compound over time. Catching them early prevents the outages, slowdowns, and exposure that surface only under load.

## SECURITY &amp; COMPLIANCE

## A defensible security posture

Security controls are tested for effectiveness across firewalls, intrusion detection, access controls, and encryption. Vulnerability scanning and penetration testing identify potential weaknesses and entry points, while compliance against applicable standards and regulations is verified. Findings come with specific recommendations to strengthen the posture and close gaps.

## ENGAGEMENT FLOW

# From assessment to action plan

- 1 Performance analysis & optimization**  
 Key metrics are monitored and analyzed across the environment to locate bottlenecks, resource constraints, and inefficiencies:
  - **Utilization** — CPU, memory, and disk I/O measured under representative load.
  - **Throughput & latency** — network throughput and response times assessed end to end.
  - **Recommendations** — resource allocation, configuration tuning, and process streamlining.
- 2 Data protection & backup strategy**  
 Backup, replication, and disaster recovery are evaluated against schedules, retention policies, and recovery objectives — surfacing gaps and recommending improvements to backup processes, data integrity, and resilience against data loss.
- 3 Scalability & capacity planning**  
 The environment's ability to absorb increased workloads, user demand, and data growth is analyzed. Capacity planning determines whether current resources are sufficient or additional capacity is required, with recommendations to scale without compromising performance or stability.
- 4 Documentation & reporting**  
 Findings, recommendations, and action items are documented in detailed reports that give a clear view of the current state, identified issues, and proposed solutions — a working reference for IT teams as changes are implemented.

## BEST PRACTICES & RECOMMENDATIONS

# What you receive

- ✓ **Performance tuning.** Concrete techniques to remove bottlenecks and improve throughput.
- ✓ **Security enhancements.** Prioritized changes to strengthen controls and compliance.
- ✓ **Findings report.** A clear overview of current state, issues, and proposed solutions.
- ✓ **Job optimization.** Strategies to streamline IBM DataStage workloads and pipelines.
- ✓ **Infrastructure improvements.** Right-sizing and configuration changes for stability.
- ✓ **Prioritized action plan.** Sequenced recommendations your team can act on directly.

## ENGAGEMENT

# Scope & related services

|                          |                                                                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Target environments      | IBM Cloud Pak for Data and IBM DataStage estates, including underlying infrastructure.                                                   |
| Review domains           | Infrastructure, software configuration, security & compliance, performance, data protection, scalability, documentation, best practices. |
| Deliverables             | Detailed findings report and prioritized action plan with remediation recommendations.                                                   |
| Other services available | Installation & upgrade · ETL migration to cloud · RDBMS / IBM Knowledge Catalog conversion · education & training · impact analysis.     |
| Pricing                  | Provided on request, based on scope.                                                                                                     |

## Get a clear read on your environment

Contact us to scope a Health Check across your IBM Cloud Pak for Data and IBM DataStage estate.