SharePoint 2019 Environment Health Check Report

Table of Contents

[Introduction 2](#_Toc181710433)

[Executive Summary 2](#_Toc181710434)

[1. CPU Usage Analysis 2](#_Toc181710435)

[2. Windows Event Logs Analysis 2](#_Toc181710436)

[3. IIS Logs Analysis 2](#_Toc181710437)

[4. ULS Logs Analysis 2](#_Toc181710438)

[5. SharePoint Health Analyzer Rules Configuration 2](#_Toc181710439)

[6. Scheduled Jobs and Run History Analysis 3](#_Toc181710440)

[7. Request Distribution Analysis 3](#_Toc181710441)

[8. Resource Throttling Settings and Customizations Review 3](#_Toc181710442)

[9. SharePoint Libraries Availability Analysis 3](#_Toc181710443)

[10. RecordPoint Integration Impact Analysis 3](#_Toc181710444)

[11 SharePoint server security updates 3](#_Toc181710445)

[Conclusion 3](#_Toc181710446)

[Appendices 4](#_Toc181710447)

# Introduction

This report presents the findings of the health check conducted on the Education Standards Board SharePoint 2019 environment. The health check aimed to identify the root causes of significant performance issues, including site and library unavailability, high CPU utilization, HTTP 503 errors, Security Token Service application failures, timer job failures, and other critical events.

## Executive Summary

Provide a brief summary of the key findings, recommendations, and overall health of the SharePoint environment.

### 1. CPU Usage Analysis

* Objective: Identify outliers in CPU utilization for Application and Web Front End (WFE) servers.
* Findings: Summarize the periods of high CPU utilization, correlating with system events and user activities.
* Recommendations: Provide actionable steps to mitigate high CPU usage.

### 2. Windows Event Logs Analysis

* Objective: Identify processes and requests causing high CPU demand on Application and WFE servers.
* Findings: Highlight patterns and anomalies detected in the event logs.
* Recommendations: Suggest improvements or changes to reduce CPU demand.

### 3. IIS Logs Analysis

* Objective: Identify HTTP transactions and areas for optimization.
* Findings: Detail the nature of incoming requests, response times, and potential bottlenecks.
* Recommendations: Offer optimization strategies for IIS configurations.

### 4. ULS Logs Analysis

* Objective: Identify common errors in the SharePoint environment.
* Findings: List recurring issues and error messages affecting performance.
* Recommendations: Provide solutions to address the identified errors.

### 5. SharePoint Health Analyzer Rules Configuration

* Objective: Ensure Health Analyzer rules are correctly configured to monitor and maintain system health.
* Findings: Evaluate the current configuration of Health Analyzer rules.
* Recommendations: Suggest adjustments to align with best practices.

### 6. Scheduled Jobs and Run History Analysis

* Objective: Identify schedules and run times for all scheduled jobs.
* Findings: Summarize the job schedules and their impact on system performance.

SharePoint

Number of databases: 01

Number of records: 500,000

RecordPoint: 11500

Full Crawl

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Start | End | Duration | Records | Warnings | Errors |
| 27/10/2024 4.56am | 28/10/2024 2:40pm |  | 488,376 | 6700 | 4106 |
| 20/10/2024 4:55am | 20/10/2024 5:54pm |  | 213860 | 3103 | 283020 |
| 13/10/2024 4:55am | 14/10/2024 3:36pm | 22:40 | 490,811 | 6727 | 116 |
| 06/Oct/2024 4:55am | 06/Oct/2024 6:543pm | 13:48 | 491,952 | 6759 | 52 |

* Recommendations: Recommend optimizations to reduce system load during business hours.

### 7. Request Distribution Analysis

* Objective: Determine the distribution of requests across WFEs.
* Findings: Analyze request patterns and load distribution.
* Recommendations: Propose improvements for better load balancing.

### 8. Resource Throttling Settings and Customizations Review

* Objective: Assess the impact of resource throttling settings on the environment.
* Findings: Review key resource throttling settings and their customizations.

List view threshold is increased to 150,000 from 5000 which is default and recommended.

* Recommendations: Suggest changes to ensure optimal performance.

### 9. SharePoint Libraries Availability Analysis

* Objective: Analyze and recommend best practices for better performance.
* Findings: Evaluate the structure and usage of libraries that go unavailable.
* Recommendations: Provide optimization recommendations.

### 10. RecordPoint Integration Impact Analysis

* Objective: Identify the impact of RecordPoint integrations on the performance of the SharePoint environment.
* Findings: Review and analyze the integration points with RecordPoint.
* Recommendations: Suggest areas for optimization to improve performance.

## 11 SharePoint server security updates

Latest is

Security updates:29/10/2024

Cumulative updates on 29/10/2024

## Conclusion

Summarize the overall health of the SharePoint environment and reiterate the key recommendations. Highlight the next steps and any further actions required to maintain and improve system performance.

## Appendices

Include any additional data, charts, or logs that support the findings and recommendations.