✅ ChecklistGuro

ERP System Performance Tuning Checklist

System Configuration Review

Assess core system settings impacting performance.

Maximum Concurrent Users Allowed

Enter a number...

ERP System Mode (Production/Test/Development)

☐ Production

☐ Test

☐ Development

Maximum File Upload Size (MB)

Enter a number...

Last System Configuration Change Date

Enter date...

Notes on System Configuration Changes

Write something...

Default Time Zone Setting

Hardware Resource Optimization

Evaluate server resources (CPU, memory, disk I/O) and identify bottlenecks.

Current CPU Utilization (%)

Enter a number...

Available RAM (GB)

Enter a number...

Disk I/O Speed (MB/s)

Enter a number...

Network Bandwidth (Mbps)

Enter a number...

Storage Type (SSD/HDD)

☐ SSD

☐ HDD

Observed Hardware Bottlenecks (if any)

Write something...

Hardware Performance Report (optional)

⤒ Upload File

Database Performance Analysis

Analyze database queries, indexes, and storage to improve efficiency.

Average Query Execution Time (seconds)

Enter a number...

Slowest 5 Queries (SQL Text)

Write something...

Index Fragmentation (%)

Enter a number...

Database Storage Type (e.g., SSD, HDD)

- ☐ SSD
- ☐ HDD
- ☐ NVMe

Database Buffer Cache Hit Ratio (%)

Enter a number...

Database Error Logs - Recent Issues

Write something...

Network Configuration & Latency

Check network bandwidth, latency, and firewall settings affecting system responsiveness.

Average Network Latency (ms)

Enter a number...

Bandwidth Availability (Mbps)

Enter a number...

Network Topology

- ☐ LAN
- ☐ WAN
- ☐ Hybrid

Firewall Rules Impact Assessment

Write something...

Network Segmentation

- ☐ None
- ☐ Basic
- ☐ Advanced

Packet Loss (%)

Enter a number...

Batch Job Optimization

Review scheduling and execution of batch processes for minimal impact on real-time performance.

Maximum Concurrent Batch Jobs

Enter a number...

Scheduled Start Time (UTC)

Enter time...

Job Priority Level

☐ Low

☐ Normal

☐ High

Last Run Date

Enter date...

Batch Job Description

Write something...

Estimated Run Time (minutes)

Enter a number...

Report & Dashboard Performance

Identify slow-running reports and dashboards and optimize data retrieval and presentation.

Average Report Generation Time (seconds)

Enter a number...

Report Format (Impact on Size)

- [ ] PDF
- [ ] CSV
- [ ] Excel

Number of Users Accessing Dashboard Simultaneously

Enter a number...

Description of Performance Issues (if any)

Write something...

Data Source(s) Used in Report/Dashboard

- [ ] Primary ERP Database
- [ ] Data Warehouse
- [ ] External API

Date of Last Performance Review

Enter date...

Custom Code & Integration Review

Analyze custom code and integrations for performance inefficiencies and errors.

Description of Custom Code Functionality

Write something...

Estimated Lines of Custom Code

Enter a number...

Custom Code Language/Platform

- [ ] ABAP
- [ ] C#
- [ ] Java
- [ ] Python
- [ ] Other

Potential Performance Bottlenecks Identified in Custom Code

Write something...

Code Snippet (if applicable)

⬆ Upload File

Integration Type (e.g., API, File Transfer)

- [ ] API
- [ ] File Transfer
- [ ] Database Link
- [ ] Other

Concurrent User Management

Monitor and manage concurrent user activity to prevent overload and ensure responsiveness.

Maximum Concurrent Users (Licensed)

Enter a number...

Currently Active Concurrent Users

Enter a number...

Peak Concurrent Users (Historical Data)

Enter a number...

User Profile Type (e.g., Standard, Executive, Mobile)

- [ ] Standard
- [ ] Executive
- [ ] Mobile
- [ ] Other

Peak Usage Time (Start)

Enter time...

Peak Usage Time (End)

Enter time...

Notes on Concurrent User Behavior

Write something...

Cache Management & Configuration

Review and optimize cache settings to reduce database load and improve data retrieval speeds.

Global Cache TTL (seconds)

Enter a number...

Cache Entry Size Limit (MB)

Enter a number...

Cache Eviction Policy

☐ Least Recently Used (LRU)

☐ First In, First Out (FIFO)

☐ Least Frequently Used (LFU)

Cacheable Modules/Entities

☐ Customer Data

☐ Product Catalog

☐ Order History

☐ Pricing Information

Cache Configuration Notes/Justification

Write something...

Maximum Concurrent Cache Connections

Enter a number...

Security & Permissions Impact

Ensure security settings and user permissions are not negatively impacting system performance.

Number of users with Admin privileges

Enter a number...

Principle of Least Privilege Implemented?

☐ Yes

☐ No

☐ Partially

Sensitive data access restricted by roles?

- ☐ Financial data
- ☐ Customer data
- ☐ Inventory data
- ☐ HR data

Multi-Factor Authentication (MFA) Enabled?

- ☐ Yes
- ☐ No
- ☐ Planned

Last Permissions Audit Date

Enter date...