ACS SECURITY SYSTEM

SYSTEM REQUIREMENTS
DOCUEMENTATION

1. Introduction

This document describes the minimum and recommended system requirements for deploying and running the **ACS Application**.
It is intended for system administrators, IT teams, and deployment engineers to ensure proper installation, performance, and stability of the system.

2. Supported Operating Systems

The ACS Application supports the following Microsoft Windows operating systems (64-bit only):

- Windows 10
- Windows 11
- Windows Server 2019

Note: Latest service packs and security updates are recommended for all supported operating systems.

3. Supported Database Platforms

The ACS Application is compatible with the following relational database management systems:

- PostgreSQL 9.6.0-1
- Oracle Database 19c
- Microsoft SQL Server 2022

Notes:

- Database selection depends on deployment size, performance requirements, and organizational standards.
- Proper database tuning and maintenance are recommended for optimal performance.

4. Hardware Requirements

4.1 Minimum System Requirements

Component	Requirement
CPU	Minimum 2 Cores
Memory (RAM)	4 GB
Disk Space	30 GB
Architecture	64-bit

4.2 Recommended System Requirements

Component	Requirement
CPU	4 to 8 Cores
Memory (RAM)	8 to 16 GB
Disk Space	100 GB
Architecture	64-bit

5. Storage Requirements

- SSD storage is recommended for better performance.
- Adequate free disk space should be maintained for logs, backups, and future application growth.

6. Network Requirements

- Stable LAN or internet connectivity is required.
- Required Application, API, database, and device communication ports must be allowed through the firewall based on ACS configuration.
- Low-latency internal network is recommended for device-heavy deployments.

7. Additional Notes

- Performance may vary depending on workload, number of concurrent users, and integrations.
- For enterprise or large-scale deployments, higher specifications than recommended may be required.
- Regular system monitoring and maintenance are advised to ensure optimal performance.