ARDIS®

A. SERVER HARDWARE REQUIREMENTS

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A. Server hardware requirements

Index

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In this section the hardware requirements for the dedicated PERFORM server are listed.

Having 2 dedicated servers to host PERFORM is highly recommended!

General Guidelines

Production environment

- Strong recommendation to have 2 servers, 1 for the PERFORM application and 1 for the SQL Server for systems with more than 4 workcells.
- SQL Server and App server should not be combined with other database driven systems, e.g. ERP or CRM

Test or staging environment

- This should NOT be on the same machine as the production environment, as SQL might interfere between environments in terms of performance.
- Requires a separate PERFORM license.

App Server

Requirement	Details
Software	• Windows Server 2019 , 2022, English language • IIS • .NET Hosting Framework and Runtime 6 or higher
Memory	16 GB recommended
Processor type	Intel or AMD-based
Processor speed	• x64 processor - 2.0 GHz or faster • 4 cores or more (important: 4 dedicated cores, not 2 cores with hyperthreading (4 threads))
Hard disk	• 20-50 GB available disk space • Mainly document and integration file storage, images and log files

Notes	• Server virtualization is supported (e.g. Hyper-V, VMware)
	• Requirements in combination with additional ARDIS products
	  • PERFORM & OPTIMIZER:
	    • 16 GB RAM
	    • 4 cores, 6 recommended when running OPTIMIZER from the server
	  • PERFORM & OPTIMIZER & STOCK desktop
	    • 16 GB RAM, 20 GB or more recommended
	    • 6 cores, 8 recommended

Database Server

Requirement	Details
Software	• Windows Server 2019 or 2022, English language • SQL Server 2019 or 2022 full edition
Memory	16 GB, 24 GB or more recommended
Processor type	Intel or AMD-based
Processor speed	• x64 processor - 2.0 GHz or faster • 4 cores or more (important: 4 dedicated cores, not 2 cores with hyperthreading (4 threads))

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Hard disk	200 GB available disk space
Notes	• Server virtualization is supported (e.g. Hyper-V, VMware) • Requirements in combination with additional ARDIS products • General guide is SQL Server dedicated RAM should be 30% of database size. • Databases should be set in full recovery mode, with a maintenance plan for daily index rebuilding, back • SQL Express can be used for staging environments, provided the production database does not exceed

Client Requirements

Requirement	Details
Software	• Windows 10 or higher is recommended. However, nevertheless, any system which is able to run the latest version of Google Chrome and meets the hardware requirements can run the PERFORM client website. • Chromium based browser, like Google Chrome, Microsoft Edge, Brave
Memory	8 GB or higher recommended
Processor type	Intel or AMD-based
Processor speed	• 2.0 GHz or higher • 2 cores, 4 cores recommended
Hard disk	20 GB available disk space
Screen resolution	• 1920 x 1080 recommended • Up to 3840 x 2160 tested and supported

Local Connector

Requirement	Details
Software	• Windows Server 2019 or 2022 • Windows 7 SP1, 8, 10 or 11, Professional Edition • .NET Hosting Framework and Runtime 6 or higher
Memory	2 GB
Processor type	Intel or AMD-based
Processor speed	• AMD or x64 processor - 2.0 GHz or faster • 2 cores
Hard disk	10 GB available disk space
Notes	• Additional software on the workstation might be required for barcode scanning or PLC integrations • Windows 7 64-bit is minimum required if the client computer needs to run local connectors (e.g. printer or barcode connection). If Windows 7 is not available, multiple options exist to link a device to a local connector on the server (e.g. MOXA box to connect serial COM-scanner to the network, Silex USB to WiFi hub).

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