



SUPPORTED PLATFORMS GUIDE

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Introduction

This guide explains the relationships and dependencies among PharmaSuite, FactoryTalk® ProductionCentre, other FactoryTalk products, and third-party software.

This document is intended for implementation professionals who plan to install the PharmaSuite software. The tables in this guide describe the supported platform requirements for PharmaSuite. This document is intended to be used with the appropriate installation guides, which are available from the Rockwell Automation Download Site.

For more information, please refer to:

- "FactoryTalk ProductionCentre Release 10.4 Supported Platforms Guide" [A1] (page 11)
- "Technical Manual Installation" [A2] (page 11)
- "Technical Manual Installation - Upgrade" [A3] (page 11)

Definitions

The following definitions are used throughout this document:

Term	Definition
Qualified	Qualified configurations and platforms have been assessed for risk and formally tested.
Supported	Supported configurations and platforms have been tested informally.

PharmaSuite Compatibility

PharmaSuite 10.02.00 is compatible with the following FactoryTalk products:

- FactoryTalk ProductionCentre 10.4 MR7 (10.4.107937)
- Modular Framework 4.2 MR7 (4.2.103331)
- EIHub 4.1 MR2 (4.1.100659)
- Warehouse Management 4.2 MR2 (4.02.02.11)
- FactoryTalk Services Platform (FTSP), which includes FactoryTalk Security: 6.10 (CPR 9 SR 11) and 6.11 (CPR 9 SR 11)
FactoryTalk Services Platform includes FactoryTalk Security.

The applications are available from the Rockwell Automation Download Site.

TIP

The exact version, incl. build, of PharmaSuite will be documented in the "Quality Certificate" [A4] (page [11](#)).

To access the Rockwell Automation Download Site, you need to acquire a user account from Rockwell Automation Sales or Support.

PharmaSuite Qualified Platform

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The table in this section describes the qualified versions and combinations of the software platforms for PharmaSuite.

Third-party Application	Qualified Version
Server - operating system: Microsoft Windows Server 2016 (Standard Edition, 64-bit) (1)	---
Client - operating system: Microsoft Windows 10 2019 LTSC (Enterprise Edition, 64-bit) (1)	No SP
Browser	Google Chrome
Application server: JBoss Application Server (Enterprise Application Platform) (2)	7.2.6
RDBMS: Oracle 12c (Enterprise Edition, 64-bit). (1) (3)	12.2.0.1.0

- (1) You must install the software before installing PharmaSuite.
- (2) The application server is installed along with FactoryTalk ProductionCentre.
- (3) Oracle Fail Safe is compatible with FactoryTalk ProductionCentre 10.4.

PharmaSuite Supported Platforms

SR1095.21+

The tables in the subsequent sections describe the supported versions of the software platforms for PharmaSuite. This section is intended to be used with the PharmaSuite Installation manuals ([A2] and [A3] (page 11)), which provide installation and configuration instructions.

TIP

For detailed third-party application requirements specific to your environment, please see the documentation provided with the third-party application.

PharmaSuite Hardware Requirements

Please contact your dedicated delivery team of Rockwell Automation or your system integrator for your specific hardware requirements. Because these requirements can vary from site to site, your delivery partner will determine the appropriate hardware configuration for each of your sites based upon the volume of transactions, data, number of concurrent users, and use of the application.

In order to run PharmaSuite, minimum RAM specifications have to be met:

- 8 GB with Microsoft Windows 10 operating system, and
- 8 GB with Microsoft Windows Server operating system.

PharmaSuite Database Server Software

SR1095.21.1

For each product installed, we recommend you install the latest component version described in the table. If your corporate standard differs from the versions in the table, contact Rockwell Automation Customer Support.

Third-party Application	Supported Version
Operating system	Any operating system that supports the RDBMS can host the database server.
Microsoft SQL Server (1) All service packs are supported for the listed version(s).	2016 (Standard and Enterprise Editions, 64-bit SP2)
Oracle 12c (Enterprise Edition, 64-bit) (1) (2)	<div> <div>■</div> <div>12.1.0.2.0 (Standard Edition 2, Enterprise Edition, 64-bit, RAC)</div> </div> <div> <div>■</div> <div>12.2.0.1.0</div> </div> <div> <div>■</div> <div>RAC 12.2.0.1.0</div> </div>

- (1) You must install the software before installing PharmaSuite.
- (2) Oracle Fail Safe is compatible with FactoryTalk ProductionCentre 10.4.

PharmaSuite Application Server Software

SR1095.21.2

PharmaSuite application server software is supported with JBoss.

For each product installed, we recommend you install the latest component version described in the table. If your corporate standard differs from the versions in the table, contact Rockwell Automation Customer Support.

Third-party Application	Supported Version
Operating system (1)	
■ Microsoft Windows Server 2012 (Standard and Datacenter Editions)	■ R2
■ Microsoft Windows Server 2016 (Standard Edition, 64-bit)	■ ---
■ Red Hat Enterprise Linux (64-bit) (2)	■ 7.7
JBoss Application Server (Enterprise Application Platform) (1) (3) (4)	7.2.6
VMWare Virtual Machines (1)	Virtual Hardware Version 11

(1) You must install the software before installing PharmaSuite.

(2) Shop Operations Server is supported on Linux for both the application server and client machines. If you will be running FactoryTalk Live Data with Shop Operations Server (e.g. Automation Integration Server), then you must have FactoryTalk Services Platform (FTSP) installed on the same machine as Shop Operations Server. For more information, refer to chapter "Setting up the Live Data Infrastructure for PharmaSuite" in "Technical Manual Installation" [A2] (page 11).

(3) The application server is installed along with FactoryTalk ProductionCentre.

(4) The application server and the Shop Operation Servers run with the 64-bit version of Java. If a Shop Operation Server depends on 32-bit DLLs (e.g. PharmaSuite AI server with FTSP integration), then 64-bit Java and Linux as OS is not supported.

PharmaSuite Client Software (Java-based Client)

SR1095.21.3

A PharmaSuite client session runs in Java-based mode; Process Designer, Shop Operations, and Shop Operations Server can be run in this mode.

For each product installed, we recommend you install the latest component version described in the table. If your corporate standard differs from the versions in the table, contact Rockwell Automation Customer Support.

Third-party Application	Supported Version
Operating System <div> <div>■</div> Microsoft Windows 10 2019 LTSC (Enterprise Edition, 64-bit) <div>■</div> Microsoft Windows Server 2016 (Standard Edition, 64-bit) </div>	<div> <div>■</div> No SP </div>
Browsers	Microsoft Internet Explorer 11 Google Chrome Edge on Windows 10 2019 LTSC
VMWare Virtual Machines	Virtual Hardware Version 12

PharmaSuite GUI Requirements

SR1095.22

The table in this section describes the system's required screen resolution required to run PharmaSuite.

PharmaSuite Application	Resolution
Production Execution Client (PEC)	<ul style="list-style-type: none"> ■ 1680 x 768 (default width with Notification Panel configured) ■ 1396 x 768 (minimum width with Notification Panel configured) ■ 1024 x 768 (without Notification Panel configured) <p>The vertical screen size to be used is configurable.</p>
Production Management Client (PMC)	1280 x 1024 (at least)
Recipe and Workflow Designer	1280 x 1024 (at least)
Production Response Client (PRC)	1280 x 1024 (at least)
Data Manager	1280 x 1024 (at least)

PharmaSuite clients do not support being run on multiple monitors.

Display scaling in the FactoryTalk ProductionCentre Client Operating System shall be set to 100% to avoid overlapping and cutoff of UI elements.

Reference Documents

The following documents are available from the Rockwell Automation Download Site.

No.	Document Title	Part Number
A1	FactoryTalk ProductionCentre 10.4 Supported Platforms Guide TIP Please note that the relevant revision of the Supported Platforms Guide is included in the packaged documentation.	PRDCTR-RM104A-EN-E
A2	PharmaSuite Technical Manual Installation	PSES-IN010C-EN-E
A3	PharmaSuite Technical Manual Installation - Upgrade	PSUP-IN007C-EN-E
A4	PharmaSuite Quality Certificate	10006111167/PUB

TIP

To access the Rockwell Automation Download Site, you need to acquire a user account from Rockwell Automation Sales or Support.

Document Information

The document information covers various data related to the document.

Approval

This document has been approved electronically via the Rockwell Automation Document Management System (DMS). The required approvers of this document include the following:

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Norbert Ern	Product Owner
Steffen Landes	Engineering Manager
Fabian Hofsäß	Technical Lead
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Version Information

Object	Version
PharmaSuite	10.02.00
Supported Platforms Guide	1.0

Revision History

The following table describes the history of this document.

Object	Description	Document
PharmaSuite Compatibility (page 1)	PharmaSuite version updated, ElHub version corrected.	1.0
PharmaSuite Hardware Requirements (page 5)	Windows 7 removed.	1.0
PharmaSuite GUI Requirements (page 9)	SR1095.22 Production Execution Client screen resolution changed: 1680 x 768 (default width with Notification Panel configured) 1396 x 768 (minimum width with Notification Panel configured) 1024 x 768) (without Notification Panel configured).	1.0

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