

Ansys Granta MI Pro 2022 R2

Granta MI Pro System Requirements

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Table of Contents

1	Introduction.....	4
2	Software requirements	5
2.1	Granta MI Pro application server requirements	5
2.2	SQL Server requirements.....	6
2.3	Client system requirements	6
2.4	Supported browsers	7
2.5	Virtual Desktop Infrastructure (VDI) support.....	7
3	Hardware requirements.....	8
3.1	Granta MI Pro application server hardware.....	8
3.2	Private Cloud deployment.....	8
3.3	Port requirements	9
4	Licensing requirements	10

1 Introduction

In this document, configurations are referred to as either **certified** or **supported**.

- **Certified** means a full set of functional regression tests have been run on this configuration.
- **Supported** means some tests have been run on this configuration, and/or it is a configuration for which we would investigate issues and, where possible, provide fixes.

Our general support policy is to make every effort possible to get the software working in the environment in which it has been deployed, irrespective of whether it has been certified for or tested in that type of environment. However, if a reported issue appears to be due to the environment in which the software is running rather than a fault with the software itself (i.e., the fault cannot be reproduced in a certified environment), then it may not be possible to resolve the issue and any attempt to do so may require extended reciprocal support from the customer's IT organization, and fees may be payable.

2 Software requirements

2.1 Granta MI Pro application server requirements

2.1.1 Operating system

Table 1. Supported platforms for Granta MI Pro application server

Operating system (64-bit)	Certified/Supported
Windows Server 2022 with Desktop Experience	Supported
Windows Server 2019 with Desktop Experience	Certified
Windows Server 2016	Supported
Windows 11, Windows 10, version 1607 or later	Supported for testing and evaluation, not for production use

2.1.2 Microsoft Internet Information Services (IIS)

Microsoft Internet Information Services (IIS) is used to host the Granta MI Pro web application, and must be installed before installing Granta MI Pro. IIS is an optional component of the Windows operating system, and the Granta MI installer will attempt to install and configure it for you, if it is not already installed.

2.1.3 Microsoft .NET Framework

The computer on which Granta MI Pro 2022 R2 is installed (*the Granta MI Pro application server*) requires .NET Framework version 4.7.2. If your system has an older version of .NET Framework, you will be prompted to upgrade prior to the Granta MI Pro installation.

2.1.4 Java Runtime Environment

The search functionality in Granta MI Pro is built on the Elasticsearch search engine, which is installed as a service on the Granta MI Pro application server, and which requires a Java runtime environment (Java 11 or later). Granta MI Pro ships with an OpenJDK JRE for internal use by MI Search Server and this is installed with the MI Search Server component.

2.2 SQL Server requirements

Granta MI Pro databases are hosted on SQL Server. The following 64-bit Windows and Microsoft SQL Server platforms are supported for use as a Granta MI Pro database server.

Table 2. Supported Windows/SQL Server versions for Granta MI Pro database servers

Windows Version/ SQL Server Version	SQL Server 2019 Windows	SQL Server 2017 Windows	SQL Server 2016	SQL Server 2014
Windows Server 2022	Supported	Supported		
Windows Server 2019	Certified	Certified	Certified	Supported
Windows Server 2016	Supported	Supported	Supported	Supported
Windows 11 Windows 10, version 1607 or later	Supported for testing and evaluation, not for production use			

Also supported:

- Microsoft SQL Server 2017 and 2019 for Linux.
- Microsoft SQL Server Express may be used for evaluation purposes, and for small-scale production environments.

2.3 Client system requirements

Granta MI Materials Gateway is a client application that enables materials data in Granta MI Pro to be accessed directly from within CAD and CAE applications running on a user's desktop machine. It is installed on the same machine as the CAD or CAE application, as an add-in to the software, and connects to the Granta MI Pro application server. For further details, see the *MI Materials Gateway Installation Guide for Granta MI Pro*.

On client machines, MI Materials Gateway for MI Pro is supported on the following operating systems:

Operating system	Certified/Supported
Windows 10, 64-bit	Supported

2.4 Supported browsers

We test Granta MI web applications against recently-released browser versions prior to releasing a given version of Granta MI. The following minimum browser versions have been tested and certified as compatible with Ansys Granta MI Pro 2022 R2.

Table 3. Compatible browser versions

Browser	Version
Microsoft Edge Chromium	93 or later
Mozilla Firefox®	92 or later
Google® Chrome	93 or later

You may still be able to run Granta MI Pro web applications without major issues on older versions of these supported browsers; however, we do not test Granta MI Pro against older versions. This means you may encounter unexpected user interface behavior and appearance, and some components may not function correctly. We will endeavor to provide technical assistance with the configuration of older browsers to mitigate compatibility issues, but some issues may only be resolved by upgrading your browser.

2.5 Virtual Desktop Infrastructure (VDI) support

Ansys Granta MI Pro is supported on the following virtual desktop environments:

- VMware vSphere
- Citrix Hypervisor

The virtual environment must be configured to have the same resources available as a typical physical server for running Granta MI Pro.

3 Hardware requirements

3.1 Granta MI Pro application server hardware

The minimum hardware requirements listed below are for a small-medium enterprise. Deployments in large enterprises may require more processor and memory resources; contact Ansys Granta Technical Support for advice.

Component	Requirement
Processor	Intel® Xeon® 4 core minimum 8 core server recommended
RAM	16 GB minimum (e.g. for a test server) 32 GB to 128 GB recommended for a production server
Disk space	100 GB minimum; 300 GB recommended

3.2 Private Cloud deployment

Granta MI Pro is certified or supported for private cloud IaaS deployment on the following platforms, with Microsoft SQL Server licensed and installed on the Azure or AWS cloud; note that Azure SQL and Amazon RDS PaaS are not currently supported.

Platform	Status
Azure 'Infrastructure as a Service' (IaaS)	Certified
Amazon Web Services (AWS)	Supported

Our Technical Support team will provide best effort to support other private cloud deployments, but may be unable to reproduce cloud-specific issues.

3.3 Port requirements

Figure 1 shows the ports required for Granta MI Pro communication in your network.

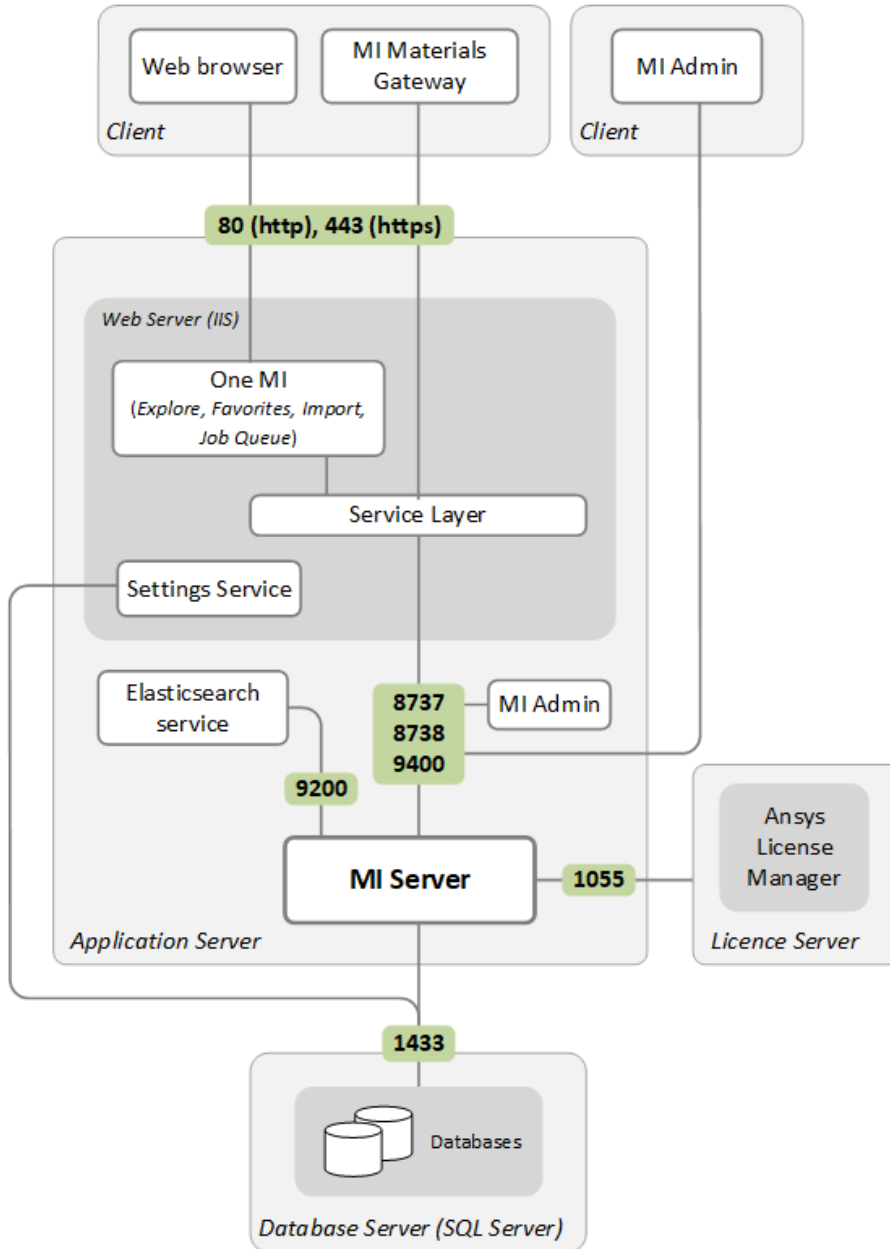


Figure 1. Required communication ports for Granta MI Pro

4 **Licensing requirements**

Ansys License Manager is required to run your Ansys Granta MI software; Ansys License Manager is typically installed on dedicated license server machine. See the *Ansys, Inc. License Management Guide* for more information on installing and using Ansys License Manager.

Ansys License Manager version 2022 R2 or later is required for Granta MI Pro 2022 R2.

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