

Ansys Granta MI Pro 2022 R1

Granta MI Pro System Requirements

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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 and web server

Operating system (64-bit)	Certified/Supported
Windows Server 2019 with Desktop Experience	Certified
Windows Server 2022 with Desktop Experience	Supported
Windows Server 2016	Supported
Windows Server 2012 R2	Supported. Note that support will be discontinued from January 2023 (Granta MI Pro 2023 R1).
Windows 10 version 1607 or later	Supported for trial installations only

2.2 Granta MI Pro database server platform

Granta MI databases can be hosted on the following 64-bit Windows and Microsoft SQL Server platforms. Granta MI databases can also be hosted on Microsoft SQL Server 2017 and 2019 for Linux.

	SQL Server 2019 Windows	SQL Server 2017 Windows	SQL Server 2016	SQL Server 2014	SQL Server 2012 ^a
Windows Server 2019	Certified	Certified	Certified	Supported	Supported
Windows Server 2016	Supported	Supported	Supported	Supported	Supported
Windows Server 2012 R2		Supported	Supported	Supported	Supported
Windows 10	Supported for evaluation/test deployments only				

^a Microsoft is ending SQL Server 2012 Extended Support on July 12, 2022. In light of this Microsoft decision, we have decided to discontinue support for SQL Server 2012 after the current release. This means that:

- Granta MI Pro 2022 R2 will be the last version to support SQL Server 2012 R2.
- Subsequent Granta MI Pro versions will not support SQL Server 2012 R2.

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

2.3 Granta MI Materials Gateway client machines

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

2.4 Browser support

Microsoft Edge	Mozilla Firefox®	Google® Chrome
Microsoft Edge Chromium 91 or later	89 or later	91 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 Microsoft Internet Information Services (IIS)

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

2.6 Microsoft .NET Framework

Granta MI Pro utilizes many .NET Framework services. Granta MI Pro 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.

Note: The next Granta MI Pro release will require .NET Framework version 4.8.

2.7 Java Runtime Environment

Search functionality in Granta MI Pro is built on the Elasticsearch search engine, which is installed as a separate service on the Granta MI application server, and which requires a Java runtime environment (Java 8 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.

2.8 *Virtualization platforms*

Granta MI Pro is supported on the following virtual environments:

- VMware vSphere
- Citrix® XenServer®
- Microsoft Hyper-V®

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 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 for private cloud IaaS deployment on Microsoft Azure. Requirements are:

- Azure Infrastructure as a service (IaaS) cloud service
- MS SQL Server licensed and installed on the Azure cloud service

Note that Azure SQL PaaS is not currently 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.

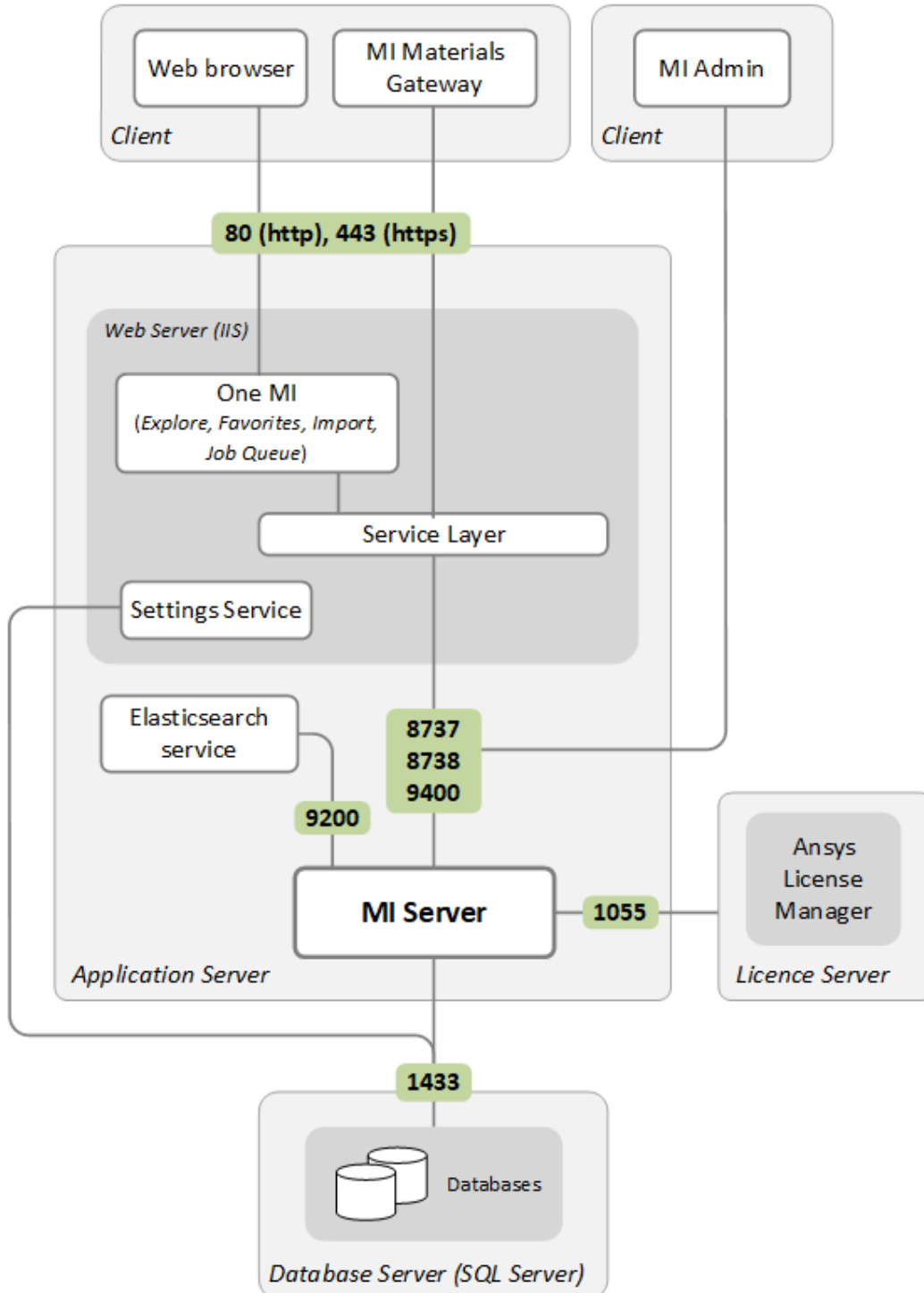


Figure 1. Required communication ports for Granta MI Pro

4 Ansys License Manager Server Hardware and Network Requirements

Ansys License Manager Release 2022 R1 is required for Granta MI Pro 2022 R1.

Requirements for Ansys License Manager are covered in the document *ANSYS License Manager Server Hardware and Network Requirements*, available under [Downloads](#) on the online ANSYS Customer Portal (you will need to log in with an ANSYS customer portal account).