ANSYS GRANTA MI Pro

GRANTA MI Pro
System Requirements

Version 2020 R2

ANSYS® GRANTA

GRANTA MI™ is the leading system for materials information management in engineering organizations. It enables you to control, analyze, and securely share critical corporate data on materials and processes, managing the materials information lifecycle.

grantadesign.com

We welcome your feedback on this document. Please let us know if anything is unclear, if you spot an error, or have an idea for new content, by emailing granta-docs@ansys.com

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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.

Granta's 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	**Certified**
Windows Server 2016	Supported
Windows Server 2012 R2	Supported
Windows 10, Windows 8.1	Supported for trial installations only

2.2   GRANTA MI:Materials Gateway client machines

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

2.3   GRANTA MI database server

	SQL Server 2019 Windows	SQL Server 2017 Windows	SQL Server 2016	SQL Server 2014	SQL Server 2012
Windows Server 2019	**Certified**	**Certified**	**Certified**	Supported	Supported
Windows Server 2016	Supported	Supported	Supported	Supported	Supported
Windows Server 2012 R2	Supported	Supported	Supported	Supported	Supported
Windows 10, Windows 8.1			Supported[a]	Supported[a]	Supported[a]

a. This configuration is only supported in trial installations

Additional notes:

- GRANTA MI databases can also be hosted on Microsoft SQL Server 2017 and 2019 for Linux.
- Microsoft SQL Server Express may be used for evaluation purposes, and for small-scale production environments.

2.4   Supported web browsers

Microsoft Edge	Mozilla Firefox®	Google® Chrome
44, 80 or later	74 or later	80 or later

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 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 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:** In the next release (GRANTA MI Pro Version 2021 R1), version 4.8 of .NET Framework will be required.

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:

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

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 enterprise with an even spread of tool usage by users. Deployments in medium and large enterprises will require more processor and memory resources; contact 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 is not yet certified for private cloud deployment. Granta Support will provide best effort to support a private cloud deployment, but may be unable to reproduce cloud-specific issues.

3.3   Port requirements

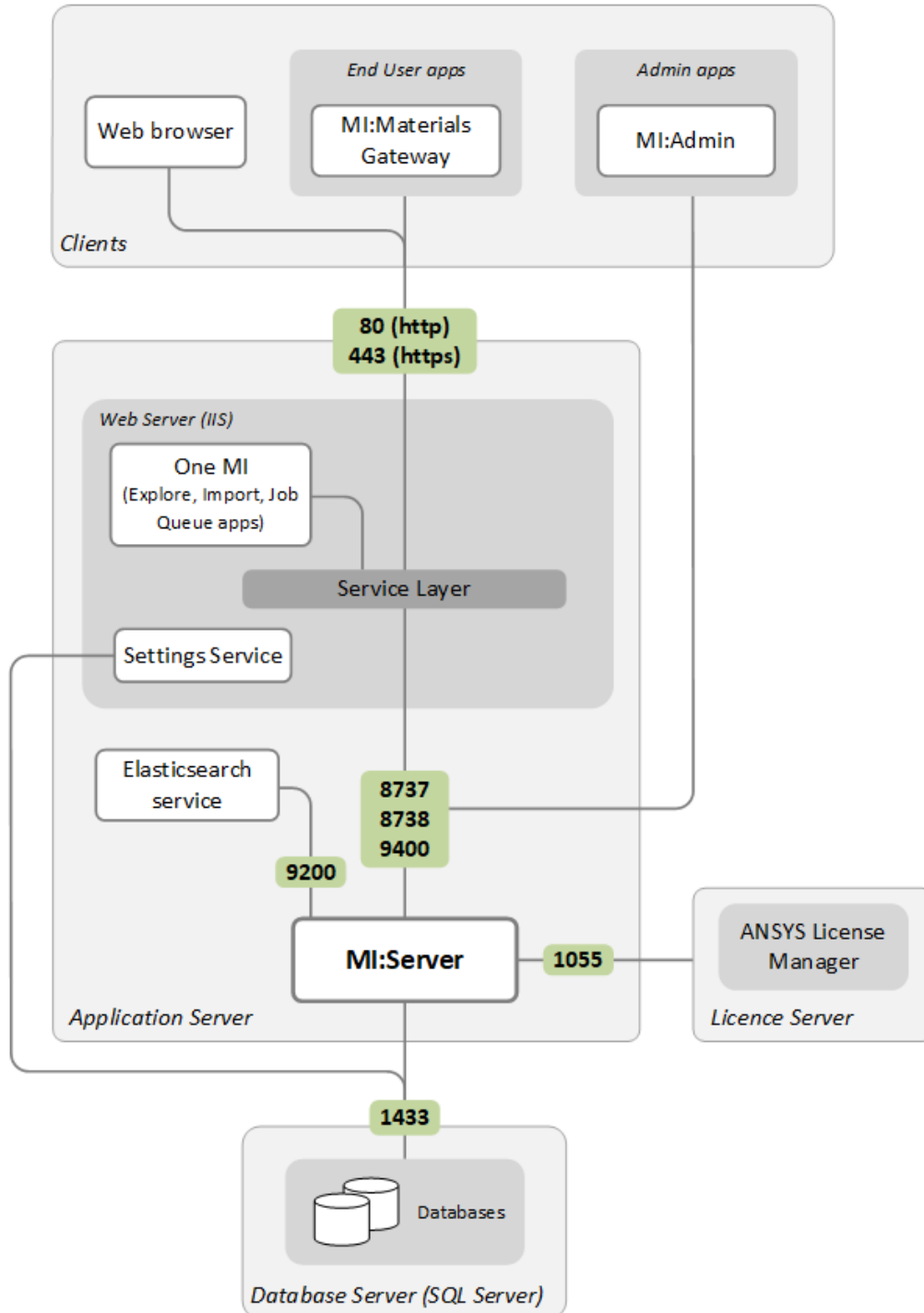Figure 1 shows the ports required for communication in your network.

Figure 1. Required communication ports for GRANTA MI Pro

4 *ANSYS License Manager Server Hardware and Network Requirements*

ANSYS License Manager Release 2020 R2 is required for **Error! Unknown document property name.** 2020 R2.

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).