Granta MI Materials Gateway Supported Platforms

Ansys / GRANTA MI

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Introduction

Granta MI is the leading materials information management software system for engineering enterprises. Granta MI meets the disparate needs of the materials experts, product designers, engineering analysts, data publishers, and other professionals who work with information related to metals, composites, ceramics, plastics, and other materials.

Granta MI Materials Gateway enables a consistent set of data and tools from Granta MI to be accessed from within CAD, CAE, and PLM software, and can be configured to support materials information management in an integrated CAD/PLM environment. Users can access and browse a corporate materials database and/or Granta-supplied reference data, choose applicable materials, and assign those materials to parts within their design or simulation model. A variety of analytics, dashboard, reporting and data output tools are available, depending on the host system and the Granta MI modules licensed for your corporate installation.

About this document

This document describes the CAD, CAE, and PLM host applications and versions that are supported by MI Materials Gateway.

- *Table 1* shows all currently supported CAD, CAE, and PLM host applications, and the Gateway releases that support each host application and version.

- *Table 2* shows all currently supported combinations of Gateway releases and Granta MI versions.

For information about hardware, software, and system requirements for the core Granta MI system, see the *Granta MI System Requirements* document for your version of Granta MI.

For any additional system and software requirements that may apply to a particular Gateway version and host implementation, see the *MI Materials Gateway Release Notes* for that release.

License management

Ansys License Manager Release 2021 R2 is required for Granta MI Release 2021 R2. Details are provided 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).

Note that customers who purchased a license of Granta MI, or renewed maintenance, before December 2019, and who are still using a 16 character Granta MI license key, can continue to use their existing license key, and do not need Ansys License Manager.

Support for CAD, CAE, and PLM applications

The table below shows all currently supported CAD, CAE, and PLM host applications, and the Gateway releases that support each host application and version.

> If you are installing two Gateways on the **same** client machine (e.g., for a CAD application and a CAE application), they must both be the same Gateway release version.

Table 1: CAD, CAE, and PLM applications and versions supported by Gateway

Host application	Host version	MI Materials Gateway release version							
		5.2	5.5	6.2	6.3	6.5	6.6	6.8	2021 R2
Abaqus/CAE	2019								✔
	2020								✔
	2021								✔
ANSA, on Windows and Linux (1)	18			✔ (2)	✔ (2)	✔ (2)	✔ (2)		
	19			✔ (2)	✔ (2)	✔ (2)	✔ (2)	✔ (2)	✔ (2)
	20			✔ (2)	✔ (2)	✔ (2)	✔ (2)	✔ (2)	✔ (2)
	21							✔ (2)	✔ (2)
ANSYS Workbench	2019R2			✔	✔				
	2019R3			✔	✔	✔	✔		
	2020R1			✔	✔	✔	✔	✔	
	2020R2					✔	✔	✔	✔
	2021R1							✔	✔
	2021R2								✔
Creo Parametric	2.0	✔							
	3.0	✔	✔						
	4.0	✔	✔						
	5.0		✔			✔ (3)	✔ (3)	✔ (3)	✔ (3)
	6.0					✔ (3)	✔ (3)	✔ (3)	✔ (3)
	7.0					✔ (3)	✔ (3)	✔ (3)	✔ (3)

Host application	Host version	MI Materials Gateway release version							
		5.2	5.5	6.2	6.3	6.5	6.6	6.8	2021 R2
HyperMesh	2019							✓	✓
	2020								✓
NX	9.0	✓							
	10	✓		✓					
	11	✓		✓					
	12	✓		✓	✓				
	1847				✓(4)	✓(4)	✓(4)		
	1872				✓(4)	✓(4)	✓(4)	✓(4)	
	1899					✓(4)	✓(4)	✓(4)	✓(4)
	1926							✓(4)	✓(4)
	1953								✓(4)
Teamcenter	10	✓							
	11	✓							
Windchill	10	✓	✓						
	11	✓	✓						✓
	12								✓

(1) MI Materials Gateway for ANSA is currently available for Windows and Red Hat Enterprise Linux. For full details of the platforms and versions supported at each Gateway release, see the *MI Materials Gateway Release Notes*.

(2) Certified on ANSA version 18.1.4 , 19.1.4, 20.0.1, or 21.0.1; supported on all ANSA 18, 19, 20, or 21 versions.

(3) Supports interoperability with MI Materials Gateway 5.5 for Windchill, provided the Creo and Windchill Gateways are installed on different client machines.

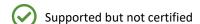(4) Certified on this version, and supported on all updates to this version.

Compatibility with Granta MI versions

The table below shows the MI Materials Gateway releases that are compatible with currently-supported versions of Granta MI (Versions 2020 R2, 2021 R1, and 2021 R2). If you require information about an earlier version of Gateway and/or Granta MI, contact Granta Support.

Table 2: Supported combinations of Gateway releases and Granta MI versions

Gateway version	MI Service Layer interface version	Granta MI 2020 R1	Granta MI 2020 R2	Granta MI 2021 R1	Granta MI 2021 R2
5.2	15/10	✅ (2)	✅ (2)	✅ (1) (2)	✅ (1) (2)
5.5	15/10	✅ (2)	✅ (2)	✅ (1) (2)	✅ (1) (2)
6.2	15/10	✅ (2)	✅ (2)	✅ (1) (2)	✅ (1) (2)
6.3	15/10	✅ (2)	✅ (2)	✅ (1) (2)	✅ (1) (2)
6.5	18/04	❗	✅	✅ (1)	✅ (1)
6.6	18/04	❗	✅	✅ (1)	✅ (1)
6.8	18/04	❗	❗	✅	✅
2021 R2	18/04	❗	❗	✅	✅

✅ Certified on this version of Granta MI

✅ Supported but not certified

❗ Not supported

(1) This version of Gateway does not support the 'Favorites Lists' feature that was introduced in Granta MI 2021 R1. Users can save favorites to a locally-stored list, but cannot access the Favorites web app from within Gateway, and cannot view favorites saved from Explore when using Gateway (or vice versa).

(2) This version of Gateway does not support Ansys License Manager, and therefore cannot be used with new implementations of Granta MI 2021 R1 and later. However, if you are an existing customer who purchased a license of Granta MI (or renewed maintenance) before December 2019, and you are still using a 16 character Granta MI license key, you can continue to use this version of Gateway with currently-supported versions of Granta MI.