

Ansys Granta MI 2023 R1

Granta MI Materials Gateway Supported Platforms

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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.

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						
		6.5	6.6	6.8	2021 R2	2022 R1	2022 R2	2023 R1
Abaqus/CAE	2020				✓	✓	✓	✓
	2021				✓	✓	✓	✓
	2022						✓	✓
ANSYS on Windows and Linux ⁽¹⁾	20	✓ (2)	✓ (2)	✓ (2)	✓ (2)	✓ (2)	✓ (2)	
	21			✓ (2)	✓ (2)	✓ (2)	✓ (2)	✓ (2)
	22					✓ (2)	✓ (2)	✓ (2)
	23							✓ (2)
Ansys Electronics Desktop	2022 R1					✓	✓	✓
	2022 R2						✓	✓
	2023 R1							✓
Ansys Workbench on Windows (all supported combinations) and Linux (combinations marked (3) only)	2020 R2	✓	✓	✓	✓			
	2021 R1			✓	✓	✓	✓	✓
	2021 R2				✓	✓	✓	✓
	2022 R1					✓	✓ (3)	✓ (3)
	2022 R2						✓ (3)	✓ (3)
	2023 R1							✓ (3)
Creo Parametric ⁽⁴⁾	7.0	✓	✓	✓	✓	✓	✓	✓
	8.0					✓	✓	✓
	9.0							✓

Host application	Host version	MI Materials Gateway release version						
		6.5	6.6	6.8	2021 R2	2022 R1	2022 R2	2023 R1
HyperMesh	2019			✓	✓	✓	✓	✓
	2020				✓	✓	✓	✓
	2021						✓	✓
NX	1926			✓ (5)	✓ (5)	✓ (5)	✓ (5)	✓ (5)
	1953				✓ (5)	✓ (5)	✓ (5)	✓ (5)
	1980					✓ (5)	✓ (5)	✓ (5)
	2007						✓ (5)	✓ (5)
	2206							✓ (5)
Teamcenter (with NX)	13					✓ (6)	✓ (6)	✓ (6)
	14							✓ (6)
Windchill ⁽⁴⁾	11				✓ (5)	✓ (5)	✓ (5)	✓ (5)
	12.0				✓ (5)	✓ (5)	✓ (5)	✓ (5)
	12.1							✓ (5)

(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, see the *MI Materials Gateway Release Notes*.

(2) Certified on ANSA version 20.0.1, 21.0.1, 22.0.0, or 23.0.0; supported on all ANSA 20, 21, 22, or 23 versions.

(3) Support for **Ansys Workbench on Red Hat Enterprise Linux** is available at MI Materials Gateway version 2022 R2 and later, for compatibility with Ansys Workbench versions 2022 R1 and later only. For full details of the Linux platforms and versions supported at each Gateway release, see the *MI Materials Gateway Release Notes*.

(4) Interoperability between **MI Materials Gateway for Windchill** and **MI Materials Gateway for Creo** is certified where both Gateways are the same version. If the Creo and Windchill Gateways are different versions, interoperability is supported (though not certified) provided they are installed on different client machines.

(5) Certified on this version of the host application, and supported on all updates to this version.

(6) Must be installed as part of an integrated Teamcenter-NX system. Available for compatibility with all NX versions supported at that Gateway release (as listed for 'NX' in the rows above).

Compatibility with Granta MI versions

The table below shows the MI Materials Gateway releases that are compatible with recent versions of Granta MI. If you require information about an earlier version of Gateway and/or Granta MI, contact your Ansys Granta Support representative.

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

Gateway version	Granta MI 2020 R2	Granta MI 2021 R1	Granta MI 2021 R2	Granta MI 2022 R1	Granta MI 2022 R2	Granta MI 2023 R1
6.5	✓	✓ (1)	✓ (1)	✓ (1)	✓ (1, 2)	✓ (1, 2)
6.6	✓	✓ (1)	✓ (1)	✓ (1)	✓ (1, 2)	✓ (1, 2)
6.8	!	✓	✓	✓	✓ (2)	✓ (2)
2021 R2	!	✓	✓	✓	✓ (2)	✓ (2)
2022 R1	!	✓	✓	✓	✓ (2)	✓ (2)
2022 R2	!	✓	✓	✓	✓ (2)	✓ (2)
2023 R1	!	!	!	!	✓	✓

✓ 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 the 'Display names' feature that was introduced in Granta MI 2022 R2. Database schema items (such as attribute names) that have been localized in your Granta MI database will appear in their original language (i.e., in English for databases provided by Ansys Granta) in the Gateway user interface.