

Welcome to ER/Studio Data Architect 21.1.x

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Thank you for using IDERA ER/Studio Data Architect, previously known as ER/Studio, the award-winning data modeling application for logical, and physical database design and construction. ER/Studio Data Architect's (ER/Studio DA) powerful, multi-level design environment addresses the everyday needs of database administrators, developers, and data architects who build and maintain large, complex database applications.

ER/Studio DA's progressive interface and processes have been logically organized to effectively address the *ease-of-use* issues that have plagued data modeling tools for the past decade. The application facilitates your ability to create, understand, and manage the mission-critical database designs within an enterprise. It offers strong logical design capabilities, bidirectional synchronization of logical and physical designs, automatic database construction, accurate reverse engineering of databases, and powerful HTML-based documentation and reporting facilities. Before you use ER/Studio, please read the information below.

See the most recent documentation at the IDERA Web site, <https://www.idera.com/support/productdocuments>

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WHAT'S NEW IN VERSION 21.1

Allows users to export logical models in RDF Turtle (.ttl) format

ER/Studio Data Architect 21.1 allows users to export a logical model or single submodel as a semantic model in RDF Turtle (.ttl) format. The exported file is a standards-compliant OWL 2 ontology that includes SHACL validation shapes and can optionally incorporate SKOS concepts generated from Team Server glossary terms associated with model objects.

Use this feature to integrate your data model with semantic web, knowledge graph, and data governance tools, such as ontology editors (for example, Protégé), RDF triple stores, and governance platforms. It also enables you to align your data model with your organization's enterprise vocabulary.

While viewing an active logical model or submodel, you can start exporting using one of the following methods:

- in the ribbon menu, click File > Export File > Export RDF (Turtle)

- in the Data Model Explorer tree, right-click the appropriate model, and then select Export RDF (Turtle)
- in the Data Window, right-click an empty area within the logical diagram, and then select Export RDF (Turtle)

Allows users to export physical models in three industry-standard semantic formats

Use ER/Studio Data Architect 21.1 to export a physical data model to one of the following industry-standard semantic formats used by modern BI and analytics-engineering tools:

- Microsoft Power BI Semantic Layer Generator (TMDL)
- Open Semantic Interchange (OSI) Generator (Beta)
- DBT Labs Semantic Layer Generator (Beta)

All three formats are produced by a single sample macro called Physical Model Export to Semantic Formats. Users can choose the target format when running the macro. This macro reads a physical model (and, when present, its linked logical model for extra business context), and writes the corresponding files to a folder you select.

Adds support for IBM Db2 including new features

ER/Studio 21.1 adds support for:

- IBM Db2 z/OS v13
- IBM Db2 LUW v12

as well as adding the following new features:

- Db2 triggers SECURED / NOT SECURED syntax
- Db2 z/OS INCLUDE clause for unique indexes

Adds support for MS SQL Server 2025

This release of ER/Studio includes support for MS SQL Server 2025.

RELEASE NOTES

IMPORTANT RELEASE ADVISORY

To ensure compatibility with ER/Studio Repository synchronization, this version of ER/Studio Data Architect requires ER/Studio Repository (Team Server) version 21.1 or later for all Repository operations.

ER/Studio Portal is no longer supported by ER/Studio Data Architect. Most functionality formerly provided by ER/Studio Portal is now provided by ER/Studio Team Server. Users that formerly used the **Repository** tab to browse the portal can use a Web browser instead.

License Enforcement

When working with the Repository, all users must use the same license type. ER/Studio now enforces this by marking the Repository as an Enterprise Team Edition Repository when a user with an Enterprise Team Edition license logs in. Subsequent log in attempts by users with a non-Team Edition license will not be allowed

IMPORTANT INSTALLATION NOTES

- To install ER/Studio Data Architect on Windows 10 or 11, you must have administrative privileges. Once you install ER/Studio DA, you can then log in as a standard or limited user and use the application without having administrative privileges.
- In order to run ER/Studio DA, you must provide valid licensing information.
- When you install ER/Studio DA, certain files and directories that were previously stored under the Program Files folder are now by default installed to system-specified application data directories.
- During installation, the following directories are created:

- For **Datatype Mapping Editor** files, which is also the default location for user-generated Datatype Mapping files:
 - C:\ProgramData\IDERA\ERStudioDA_XXXX\DatatypeMapping
- For **Automation Handler** files, which is also the default location for sample macros:
 - C:\ProgramData\IDERA\ERStudioDA_XXXX\Macros
- For **sample model** files, for which a shortcut is generated in the ER/Studio DA program group:
 - C:\ProgramData\IDERA\ERStudioDA_XXXX\Sample Models
- When the application is run for the first time, the following directories are created by ER/Studio DA:
 - Directories used by the Repository client to **transfer** files to and from the Repository server:
 - C:\Users\<user>\AppData\Roaming\IDERA\ERStudio\RepoIn
 - C:\Users\<user>\AppData\Roaming\IDERA\ERStudio\RepoOut
 - Default directory for **Report** files:
 - C:\Users\<user>\AppData\Roaming\IDERA\ERStudio\Report
 - Default directory for SQL scripts:
 - C:\Users\<user>\AppData\Roaming\IDERA\ERStudio\SQLCode
 - Default directory for **Quicklaunch** files:
 - C:\Users\<user>\AppData\Roaming\IDERA\ERStudio\XML
 - Default **Save** location for new diagrams:
 - C:\ProgramData\IDERA\ERStudioDA_XXXX\Sample Models

BUG FIXES AND KNOWN ISSUES

For the most recent list of known issues and bug fixes in this release, see http://docwiki.embarcadero.com/ERStudioDA/211/en/Release_Notes.

UPGRADE INSTRUCTIONS

UPGRADING FROM ER/STUDIO PORTAL TO ER/STUDIO TEAM SERVER

For detailed instructions on upgrading to Team Server, see [Install or Upgrade Team Server and Repository](#).

UPGRADES FOR ER/STUDIO REPOSITORY USERS

To use the repository with this release, you will need to be running ER/Studio Repository (Team Server) 21.0 or later.

UPGRADES FOR VERSION OF ER/STUDIO REPOSITORY PRIOR TO 2016

Repository is now installed as part of Team Server. To upgrade an earlier version of Repository, please see [About Team Server and Repository Upgrade](#).

ADDITIONAL RESOURCES

Licensing Your IDERA Product

All IDERA products include a 14-day trial period. To continue using the product without interruption, we recommend that you license it as soon as possible. For information on licensing your product, refer to the *Quick Start Guide*. If you have not yet purchased this product, contact sales@idera.com.

IDERA Product Support

The IDERA Web site is an excellent source for additional product information, including white papers, articles, discussion forums, and the IDERA Knowledge Base. Visit www.idera.com/support, or click any of the links below, to find:

- [Documentation](#)
- [Online Demos, Technical Articles, and White Papers](#)
- [IDERA Community](#)

IDERA Technical Support

If you have a valid maintenance contract with IDERA, the Technical Support team is available to assist you with any problems you have with our applications. Our maintenance contract also entitles registered users of IDERA products to download free software upgrades during the active contract period. Evaluators receive free technical support for the term of their evaluation (14 days).

We encourage you to open technical support cases via the [Customer Support Center](#). For additional information about IDERA Technical Support, visit the [Support](#) section of our Web site.

IDERA on the Web

To download evaluations of other IDERA products or to learn more about our company and our products visit us at www.idera.com.
