Welcome to ER/Studio Data Architect 20.1.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

WHAT'S NEW IN VERSION 20.1
Adds support for Index column ordering in PostgreSQL 10.x-12.x
Allows user-defined names for the History Table in Azure SQL DB and SQL Server
Allows a user to select a region when reverse engineering in Google Big Query
Adds Data Catalog tree support for Google BigQuery nested objects
Adds options to select version for WhereScape support

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WHAT'S NEW IN VERSION 20.1

Adds support for Index column ordering in PostgreSQL 10.x-12.x

ER/Studio Data Architect 20.1 includes support for Index column ordering in PostgreSQL 10.x to 12.x. You now can define the Sort Order for the columns. Available options are **ASC** for ascending order and **DESC** for descending order.

Allows user-defined names for the History Table in Azure SQL DB and SQL Server

For ER/Studio Data Architect Azure SQL DB and SQL Server users, the History Table name now is customizable. You can enter any name as long as it is not already existing in the database.

Allows a user to select a region when reverse engineering in Google Big Query

ER/Studio Data Architect Google BigQuery users now can select a region for their selected Datasource in both the Reverse Engineer Wizard and the Compare and Merge Utility. Note that you can select only one region. The default selected region is **US**.

Adds Data Catalog tree support for Google BigQuery nested objects

Google BigQuery nested objects now appear in the proper format in the ER/Studio Team Server Data Catalog tree. Tables appear in the top order while nested Objects appear under the Columns of the Tables in hierarchy.

Adds options to select version for WhereScape support

WhereScape 3D is adding a feature to check for the source application version. WhereScape users within Team Server now have an option to select the version when exporting XML from WhereScape 3D. The WhereScape Admin Settings page now includes an option to select the **Output for WhereScape Versions**. Users can choose from the following options:

- **versions 8.6.8.0 and previous**
- **versions 8.6.9.0 and above (selected by default)**

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 19.1 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 11, 10, 8.1, 8, or 7, you must have administrative privileges. Once you have installed 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`
  - o Default directory for **Report** files:
    - `C:\Users\<user>\AppData\Roaming\IDERA\ERStudio\Report`
  - o Default directory for SQL scripts:
    - `C:\Users\<user>\AppData\Roaming\IDERA\ERStudio\SQLCode`
  - o Default directory for **Quicklaunch** files:
    - `C:\Users\<user>\AppData\Roaming\IDERA\ERStudio\XML`
  - o Default **Save** location for new diagrams:
    - `C:\ProgramData\IDERA\ERStudioDA_XXXX\Sample Models`

BUG FIXES AND KNOWN ISSUES

For the more recent list of known issues and bug fixes in this release, see
http://docwiki.embarcadero.com/ERStudioDA/201/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) 19.0 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.