Data Migration from Pathway Studio Desktop Plant to Pathway Studio Web Plant

Recommendations to Customers

Elsevier is pleased to provide access to Pathway Studio Web to our current desktop customers. Pathway Studio Web’s integrated data mining and visualization software allows you to rapidly connect relevant biological facts and relationships, visualize these facts in context, and integrate and interpret experimental data, similar to the way you use the desktop Pathway Studio application. The plant database is updated to include the vast collection of Elsevier life science publications as well as many third party journals to provide you even more significant biological results. Pathway Studio Web is accessible from any PC or Macintosh computer with internet capabilities.*

In order to facilitate our customers’ ability to utilize Pathway Studio Web most efficiently, we have provided a Data Migration Tool designed to easily export user’s work saved in a desktop instance and import it into their new Pathway Studio Web accounts. This document describes how to access and utilize the Data Migration Tool.

Note concerning migrating data from the Plant 4 database to the new Plant web database: The structure of the new Plant web database has changed in that Arabidopsis, maize and rice entities and relations have been separated into their respective species. This may decrease the amount of data that will map to the new database. The migration tool will provide information about the amount of data mapped during the migration process.

* See system requirements on the support site for browser requirements.

Please perform the following steps to migrate your data to your private space in the Elsevier hosted Pathway Studio Web edition:

1. Download the latest version of the Pathway Studio 9 (v9.0.254) desktop client. You will be presented the option to download the latest version of Pathway Studio Desktop when you launch your Pathway Studio Desktop installation.

2. Follow the on-screen prompts to complete the software update.

3. Once your installation has been updated, open Pathway Studio and click on your Projects folder (where your work is stored).
4. Highlight all the custom pathways, groups and experiments that you would like to migrate (Hint: Hold down the Ctrl key on your keyboard to select more than one or press Ctrl + A to select all).
Alternatively you can simply select the entire Projects folder to migrate the entire contents.

Note about migration limits: There are size limits to the amount of data stored in the web product. The total amount of space reserved for an account is 10GB. In addition, there is a limit of 500 pathways, 500 groups and 100 experiments that can be stored in a web account.

5. Click on Export and select Migration Wizard.
6. In the resulting wizard, enter the Pathway Studio Web URL as the “destination server” and then enter your username and password of your web account. Click on Next to proceed.

7. On the next screen, you will be given another option to select which data you wish to migrate. If you wish to migrate all, simply click “Check All”. Click Next to proceed.
8. Monitor the progress at the bottom of the wizard. The migration is a two-step process: first the data is exported from the desktop and then it is imported into the web.

9. Review the export status. You may mouse-over each status to preview details of the status message. Then select “Next” to initiate the import into your web account.
Status indications:

- Migration possible with losses: not all the entities or relations in the project mapped to the new database and there will be some loss of information in the migrated project.
- Migration possible as is: all entities and relations in the projects mapped to the new database and will be migrated.
- Error: no mapping of entities or relations was possible. Migration will not proceed on these projects.

10. When the migration is completed you can review the status of each migrated project. You may mouse-over each status to preview details of the status message. When you are done, select “Finish” to complete the data migration process.

![Document Migration - Selection Tuning](image)

Status indications:

- Migrated as is: the pathway or group or experiment was migrated with all entities and relations mapped.
- Migrated with losses: the pathway or group or experiment was migrated but some mapping of entities or relations will be lost.
Points to consider during the data migration: Pathway Studio Web is a read only database, hosted by Elsevier. As such, any custom entities or relations created in the desktop database, which do not currently existed in the Elsevier hosted database, will not migrate. In addition, some entities might not map to the new database if the entity definition was lost upon the database upgrade due to more current and accurate scientific knowledge utilized to build the latest database.

If the migration of data is unsuccessful, first check to ensure that the amount of data you are migrating does not exceed the limits of data allowed in the Pathway Studio Web product. If it does, try the migration process again after selecting a smaller data set. In addition, if you are going to leave your computer unattended during the migration process, set your computer so that it does not “sleep” during the migration process.

11. Find the migrated data in the “Migrated Documents” folder in your web account.

12. Observe that layouts of the pathways will be retained but entities or relations that did not map to the updated database will be missing from the graph layout.
If you have any questions about the data migration process or any questions about Pathway Studio, please contact Customer Care for more assistance.

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