

COOLPROFS

Features

In development
(subject to change)

Scheduling; this will allow you to schedule data operations on a one-time basis or recurring

New data operation: Data quality; This will check your data for duplicates and any other validations we use during the export and import process. Now you can just run this check standalone and let it report the results. Keep your data healthy!

Data operations

Export



When exporting data, one can choose to export the complete content of selected OutSystems data tables. There is also the option to export a subset of data based on filter criteria.

During the export process, the Cool Data Mover anonymizes selected attributes. The Cool Data Mover, therefore, ensures that sensitive data can be moved without jeopardizing any privacy and/or confidentiality policies.

Another advantage of the Cool Data Mover is that you do not have to freeze your live applications while you move data. The Cool Data Mover can run parallel with your processes. It ensures data consistency during every move.

Import



During the import process, the data gets added to the database of the target environment. It is likely that parts of this data might already exist in this environment. The Cool Data Mover will recognize this and modify the data set to only add what's missing. This means you can re-use data-packages several times to export and import data where only the missing data is added in the target environment.

The Cool Data Mover recognizes master data in systems-tables which it then matches in a comprehensive manner. Think about attributes such as Users, tenants, roles, etc.

When moving data, the Cool Data Mover uses the data model of your applications to determine the correct sequence in which to move data. It also takes into account the automatically generated ID's which OutSystems creates. It ensures that foreign key values to those generated ID's are translated from the source environment to the target environment. This guarantees that existing relationships in the dataset is kept intact in all environments

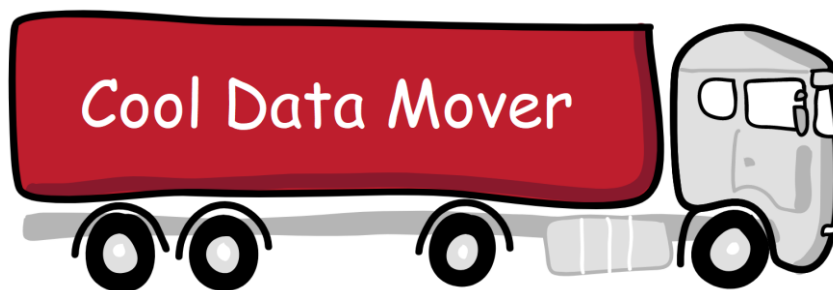
Delete



The Cool Data Mover offers the possibility to delete data from selected tables. This makes it possible to create a dataset which can be removed after it is used and restore it with a standard dataset again and again.

The Cool Data Mover will never delete data from systems tables in OutSystems.

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**On the roadmap
(subject to change)**

Export data from MySQL;
this will allow you to migrate from MySQL towards SQL Server or Oracle

BPT support; This will allow you to import BPT processes in the state they had during export.

Softkey translations; this allows you to translate softkeys to the correct values on the target destination.



Data transformation services

The Cool Data Mover offers the possibility of having your own developers build custom code for the export process. This allows you to transform data by your own business rules, create custom anonymization rules or use it to pseudonymize your data. Data transformation services gives you full control over the data that is written to the export files.



Monitoring and logging

The Cool Data Mover offers monitoring and error logging where the progress of the imports, exports, and deletes can be tracked real-time. This information remains available, historical data from past moves can be consulted at any time.

There is also an optional feature to enable detailed tracking on selected moves.



Data Security

The Cool Data Mover is completely GDPR-compliant and offers an option to anonymize data in different ways per attribute in OutSystems. We offer an array of standard anonymization options. For the more complex scenario's there is even an option to use custom anonymization.

Data packages are validated on completeness and consistency before moves are executed. This ensures that only valid data-sets can be executed successfully. During the import process, another validation process controls whether the expected data is actually present in the target environment.

All functionality within the Cool Data Mover is secured through role-based permissions.



Built using OutSystems

The Cool Data Mover is an OutSystems application. This means it does not require additional database rights or environment rights.

All installations are supported (on-premise, in the cloud or a hybrid variant). The same is true for the underlying database. The Cool Data Mover supports all OutSystems supported platform databases. The databases for the source and target environments do not have to be identical. It is, for instance, possible to move data from an on-premise Oracle environment to an SQL Server environment in the cloud.

The Cool Data Mover makes smart use of available resources in your environment. If you have multiple front-end servers, the Cool Data Mover can leverage all servers to speed up your process.

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