Permissions

Permissions are set on the following assets:
- dataset
- algorithm
- metric
- trunk model created by a composite train tuple

Dataset, algorithm, metric

In the following table, the asset is registered by nodeA with the permissions
{public: False, authorized_ids: [nodeA, nodeB]}

Asset	Node	What can this node and its users do?
Dataset	nodeA	● nodeA can do any task on this dataset, on nodeA ● nodeA users can export the dataset's opener
	nodeB	● nodeB can do any task on this dataset, on nodeA ● nodeB users can export the dataset's opener
	nodeC	● nodeC cannot do anything on this dataset ● nodeC users cannot export the dataset's opener
Algo	nodeA	● nodeA can use the algo in a task on any node (if it also has the permissions on the other assets used in the task) ● nodeA users can export the algo's archive
	nodeB	● nodeB can use the algo in a task on any node (if it also has the permissions on the other assets used in the task) ● nodeB users can export the algo's archive
	nodeC	● nodeC cannot use the algo in a task whatever the node ● nodeC users cannot export the algo's archive
Metric	nodeA	● nodeA can use the metric in a test task on any node (if it also has the permissions on the other assets used in the task) ● nodeA users can export the metric's archive
	nodeB	● nodeB can use the metric in a test task on any node (if it also has the permissions on the other assets used in the task) ● nodeB users can export the metric's archive
	nodeC	● nodeC cannot use the metric in a test task whatever the node (to check with the new metric object as this was not true with the objective object) ● nodeC users cannot export the metric's archive

Model (out-model)

There are no permissions on train / aggregate / composite train / test tasks.
There are permissions on the out-models of the train / aggregate / composite train tasks.

NodeA has the permissions on the out-model of a task if:
- for a train / composite train task, nodeA has permissions on the algo and on the dataset used in the task
- for an aggregate task, nodeA has permissions on the aggregate algo and on all the models used in the task

NodeA has permissions on the out-model of a task means nodeA can use this model in any type of task on any node (if it also has the permissions on the other assets used in the task).

The user of nodeA can export an out-model with the CLI/SDK if:
- nodeA has the permissions on the out-model
- nodeA has the variable model_export_enabled set to True (at the level of the node within the channel)

Specificity of trunk and head out-models in a composite train task
- The head out-model permissions are set to be non-public, and processable/downloadable only by the associated dataset's owner
- The trunk out-model permissions are specified explicitly by the user when registering the composite train task