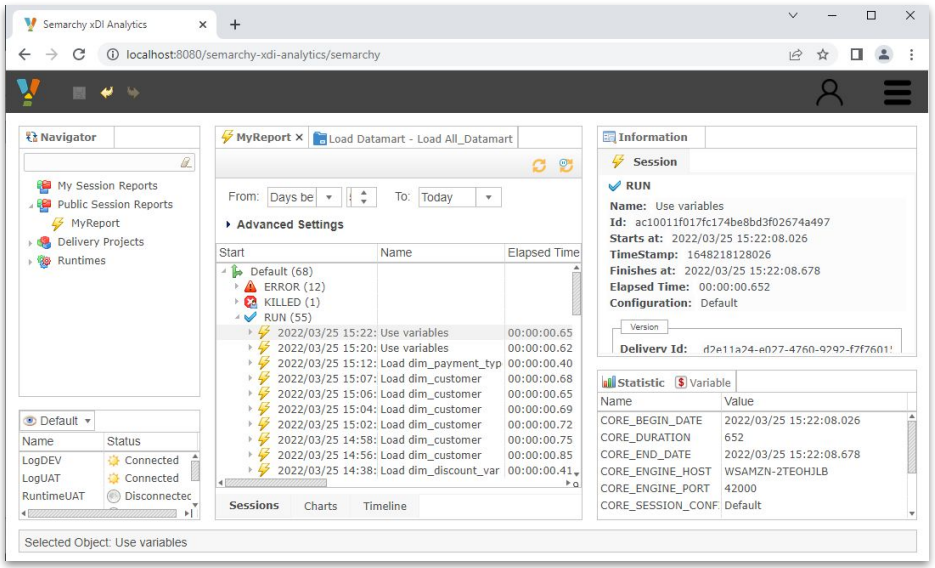
xDI DEV

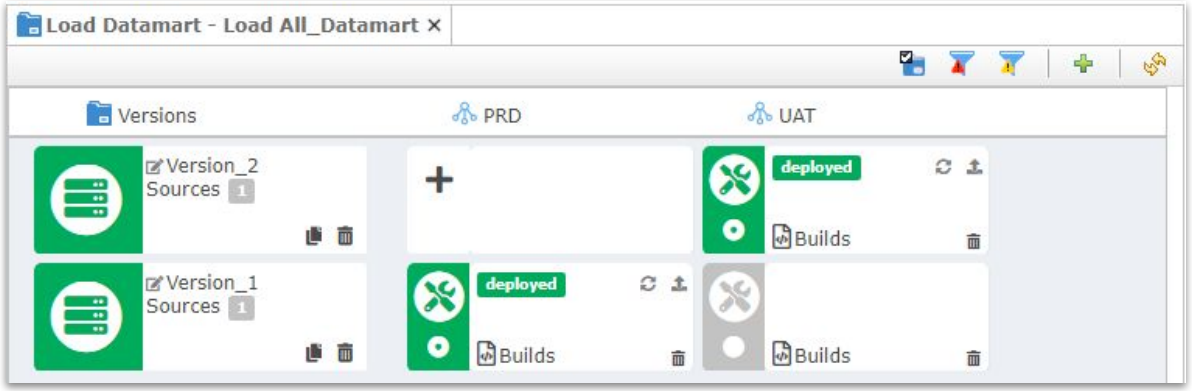
xDI Analytics

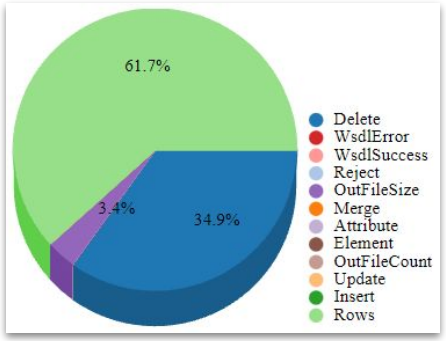
xDI Analytics

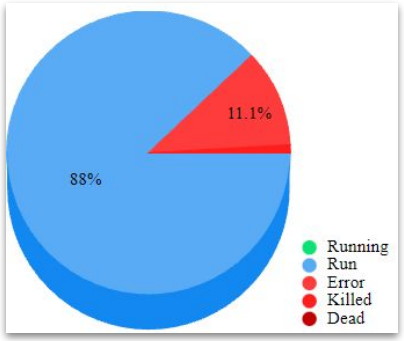
The Analytics tool enables to :

- Manage a deployment to put into production
  - ✓ Import, Configure & Deploy
- Manage the schedule of the deliveries executions
- Follow the daily executions
- Manage the planning of the log database purges









I-Stambia Analytics

- Web Service

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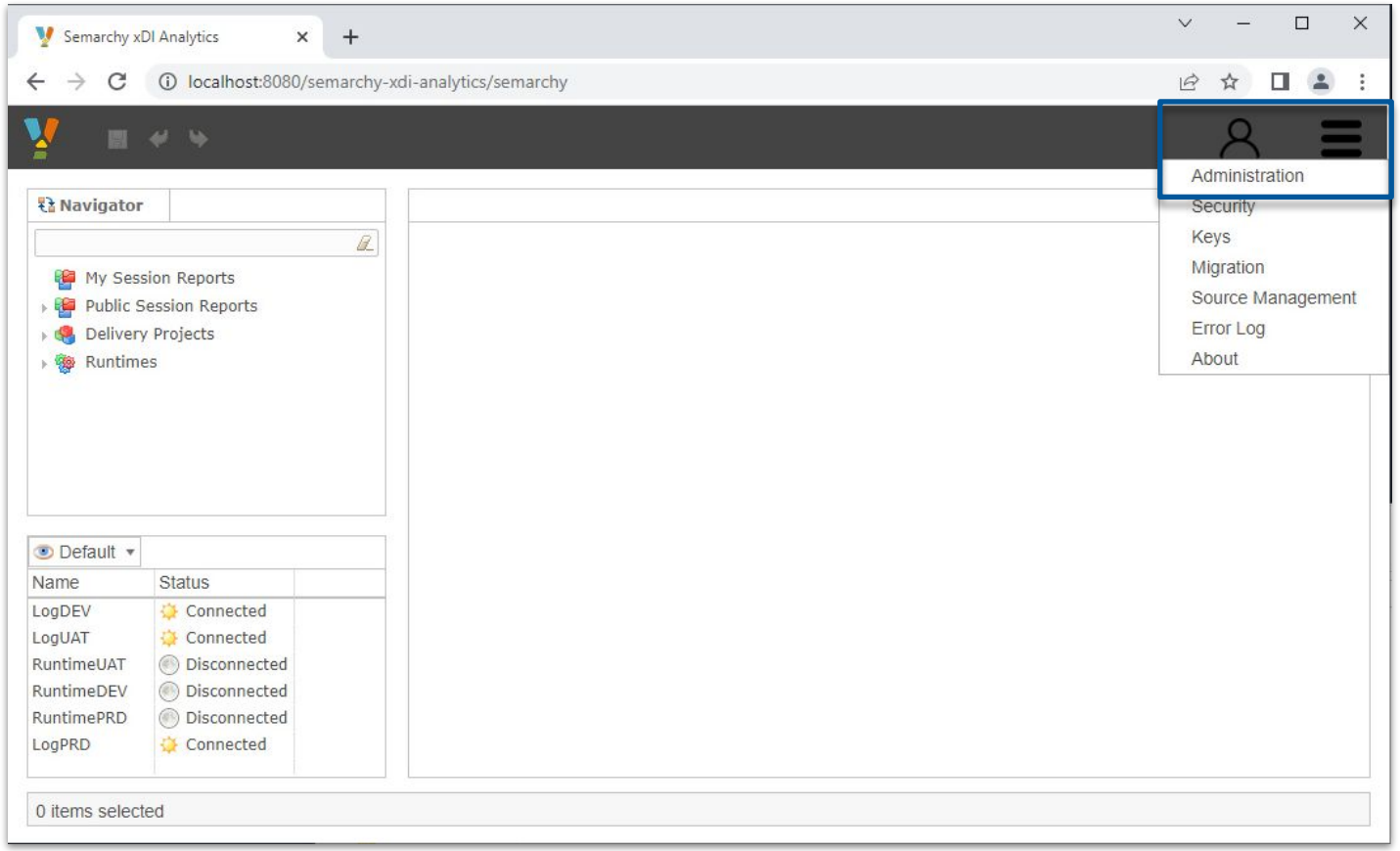
I1 - Administration

Administrate xDI Analytics

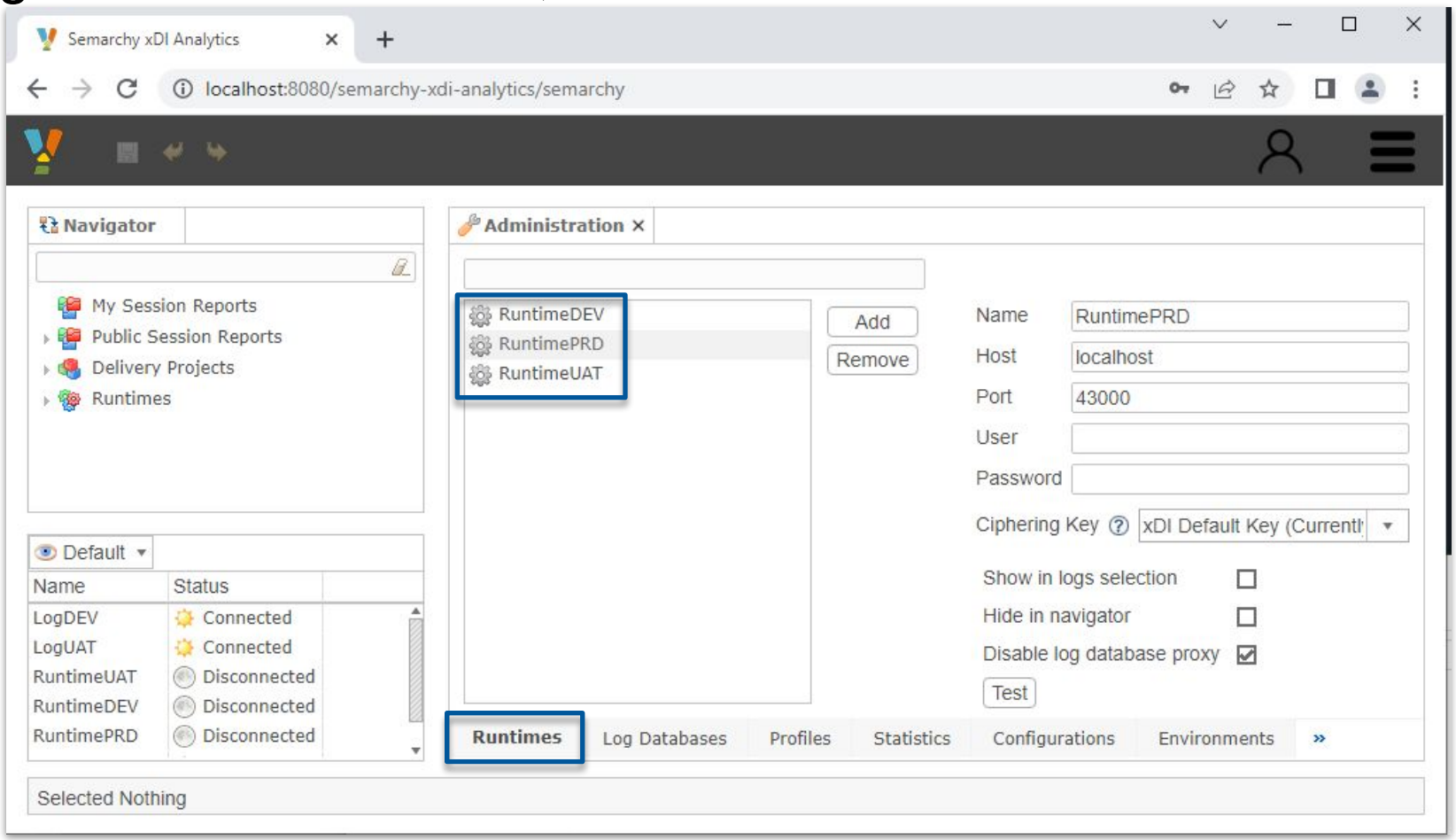
Once xDI Analytics installed, the first operation:

- Administrate the application



Administrate xDI Analytics – the engines

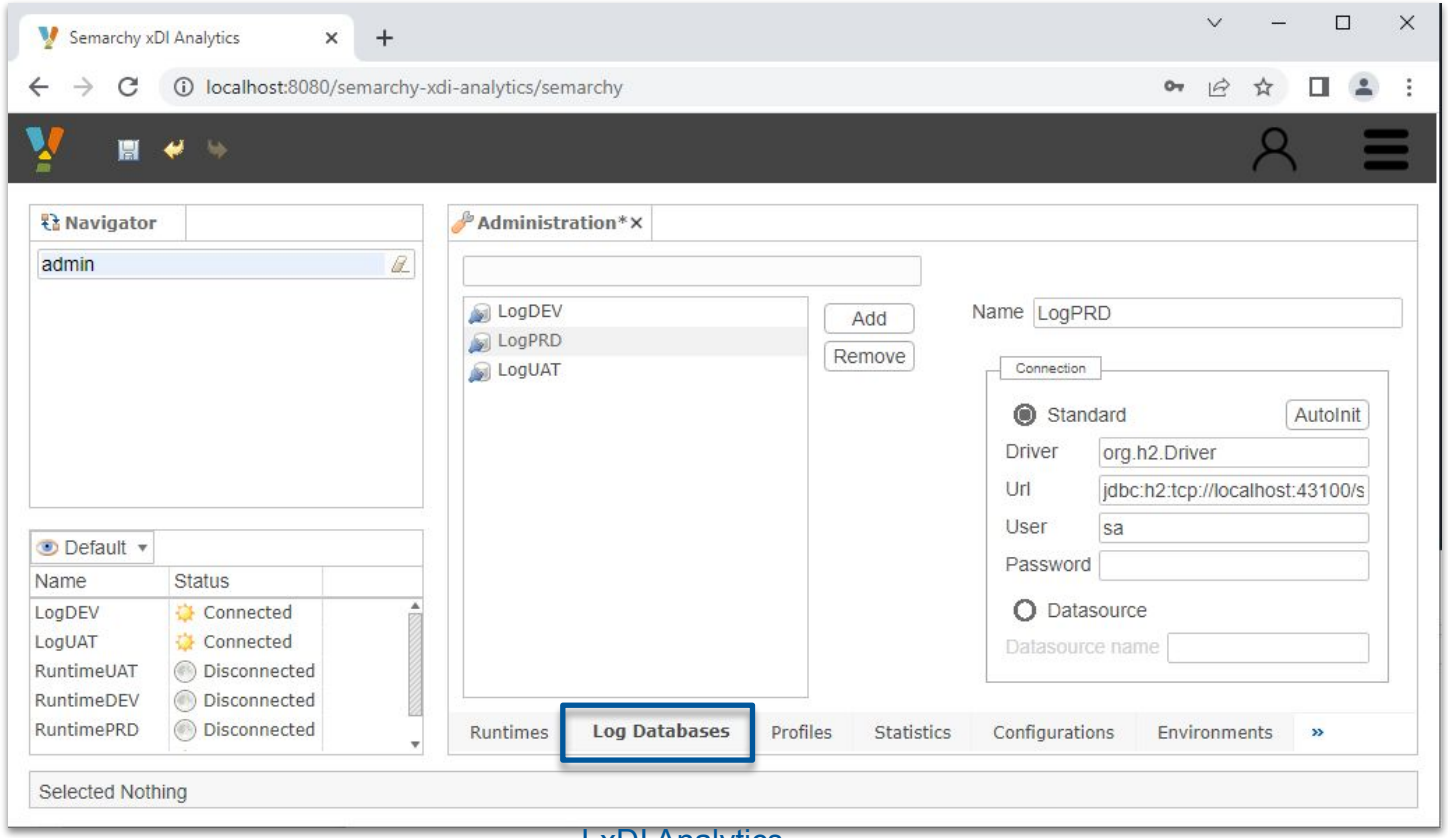
1. To begin the administration, define the *runtimes* to use



Administrate xDI Analytics – the log databases

2. Define the *log databases* to use

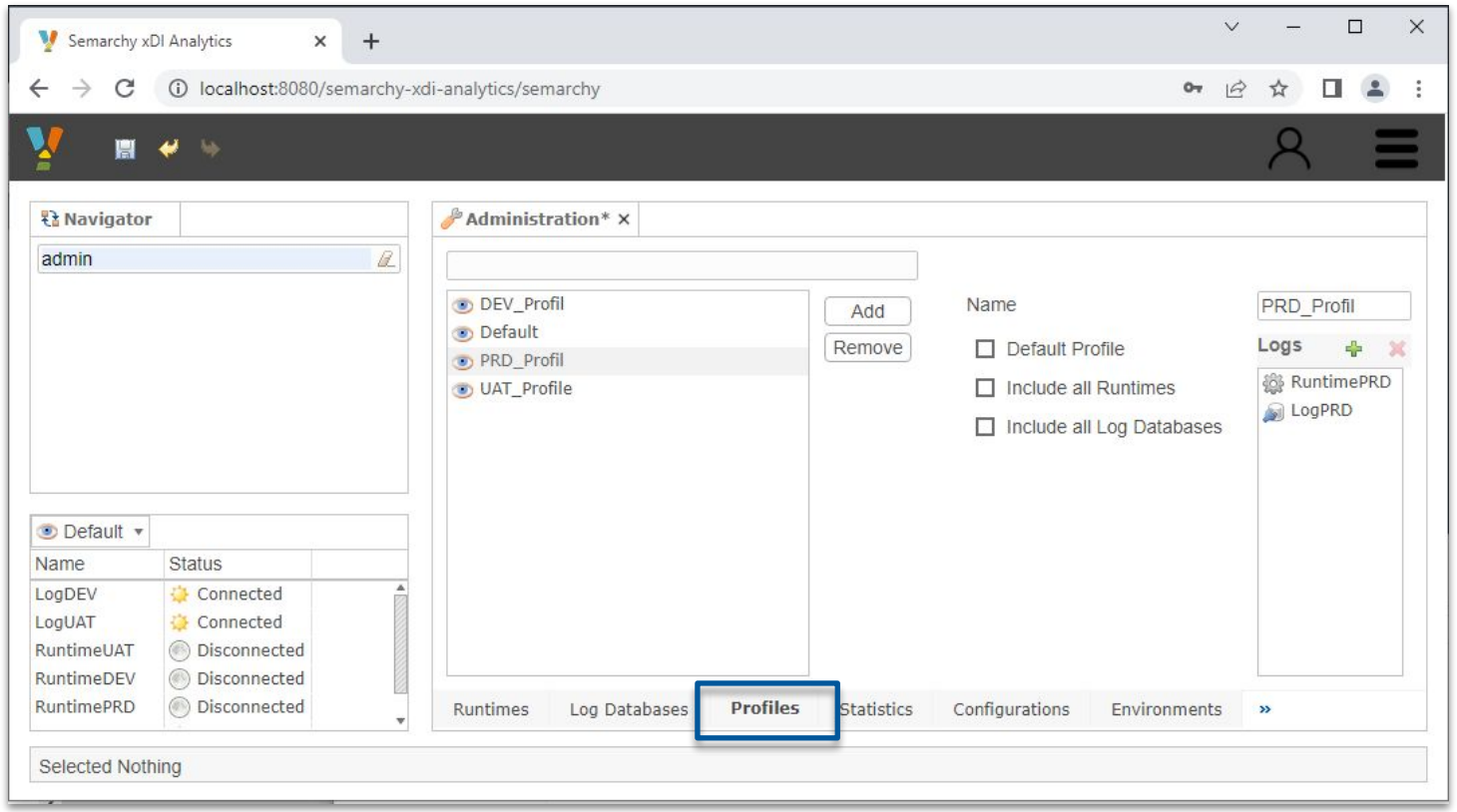
The xDI *log databases* store all the execution sessions of mappings and processes
By default, the log database is an H2 database



Administrate xDI Analytics – the profiles

3. Define the *profiles*

A *profile* is a named placeholder to define profile types in xDI Analytics
Each profile can have a view on different lists of runtimes/log databases



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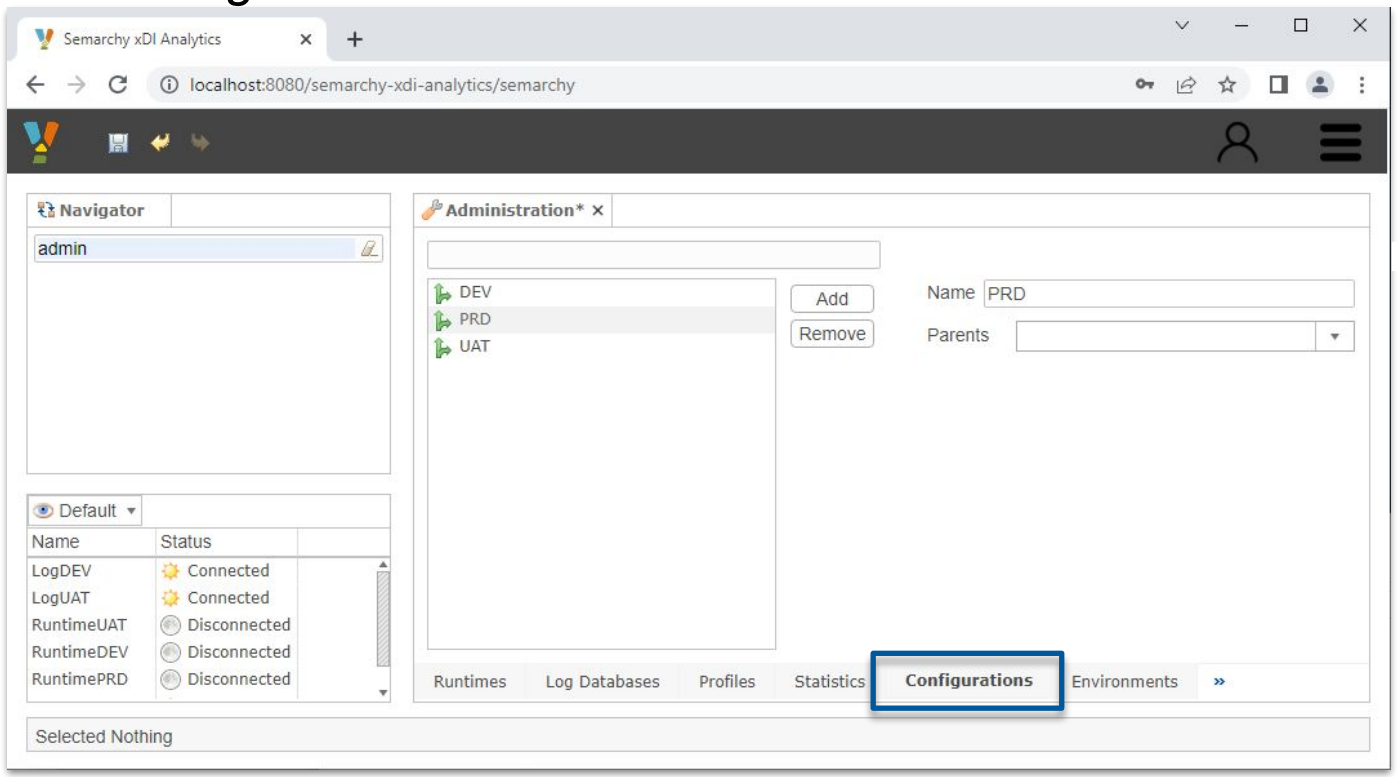
Administrate xDI Analytics : the configurations

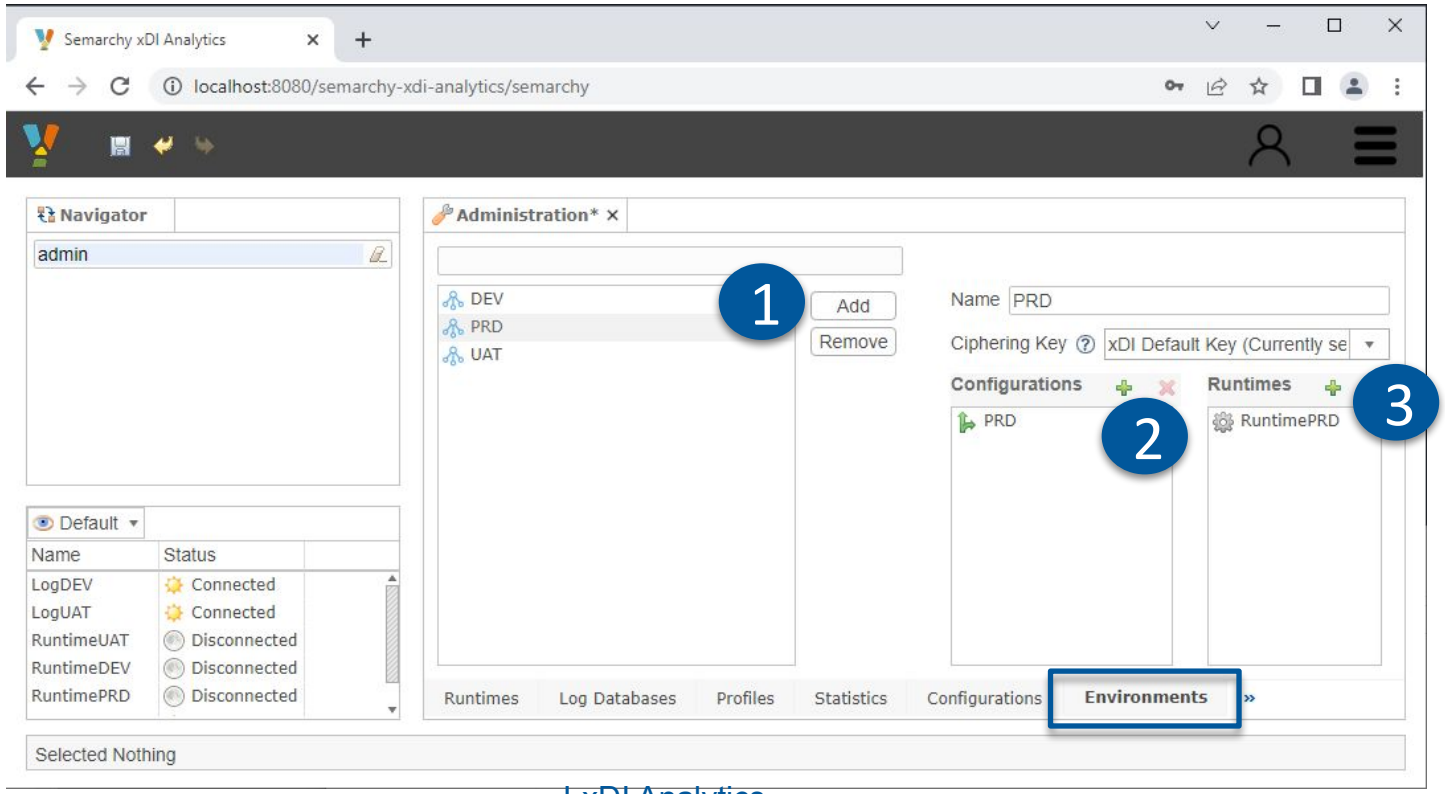
4. Create the necessary target *configuration(s)*
   A *configuration* is a named placeholder in which values of each externalized properties of Metadatas included in imported Packages are stored
   For instance a "UAT" configuration will store all Metadata values related to the «UAT» environment



Administrate xDI Analytics : the environments

5. Create the *environments* and describe them by referencing the related configuration(s) and runtime(s)

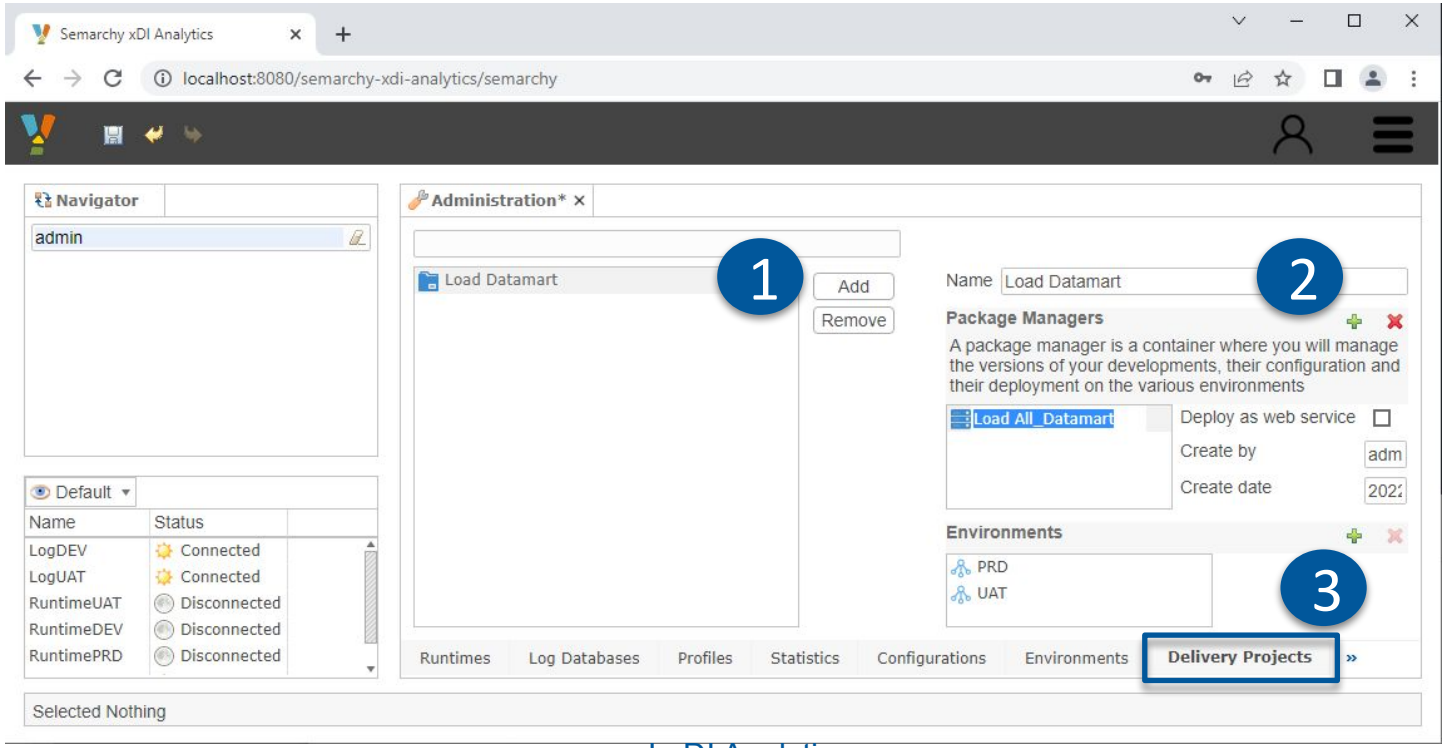
   An *environment* defines the configurations to apply and target runtimes for deployments on that environment



Administrate xDI Analytics : the delivery projects

6. Create the *delivery projects* for all your deployment use cases & add the necessary Package Managers

A *delivery project* is a logical group of packages sharing the same deployment configurations
A *package manager* is a logical placeholder for a set of Processes



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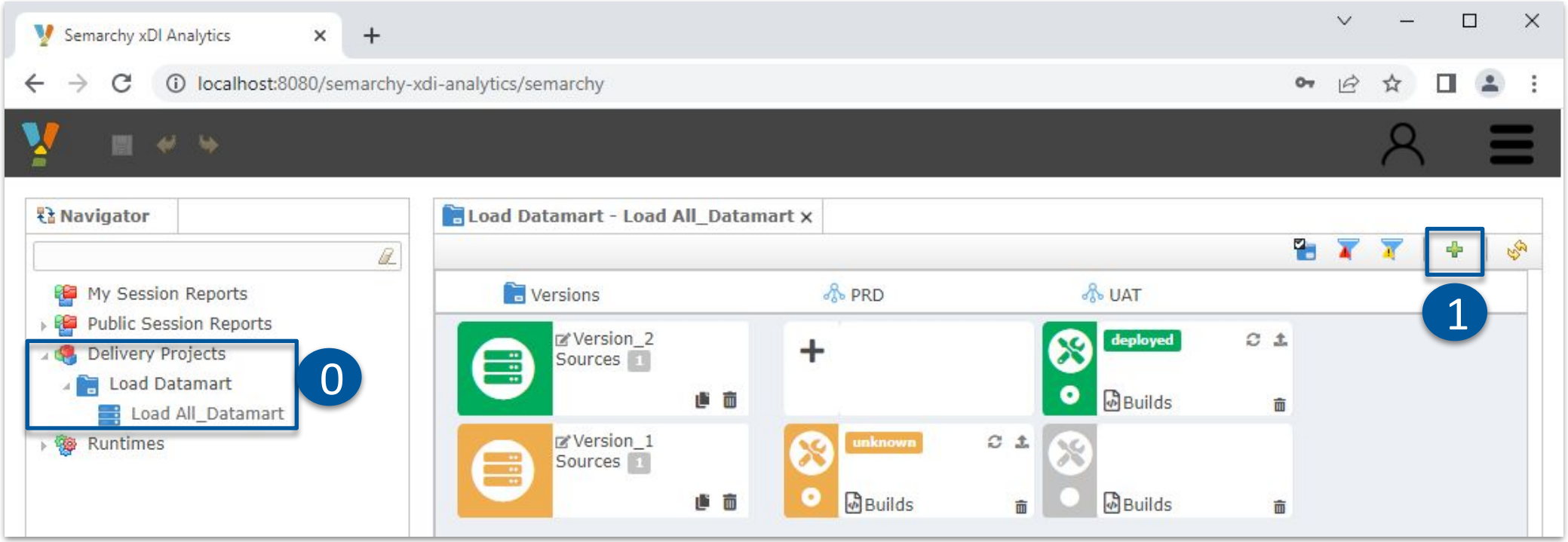
I2 - Deployment

Deploy your packages in a Runtime

To deploy a process into a Runtime

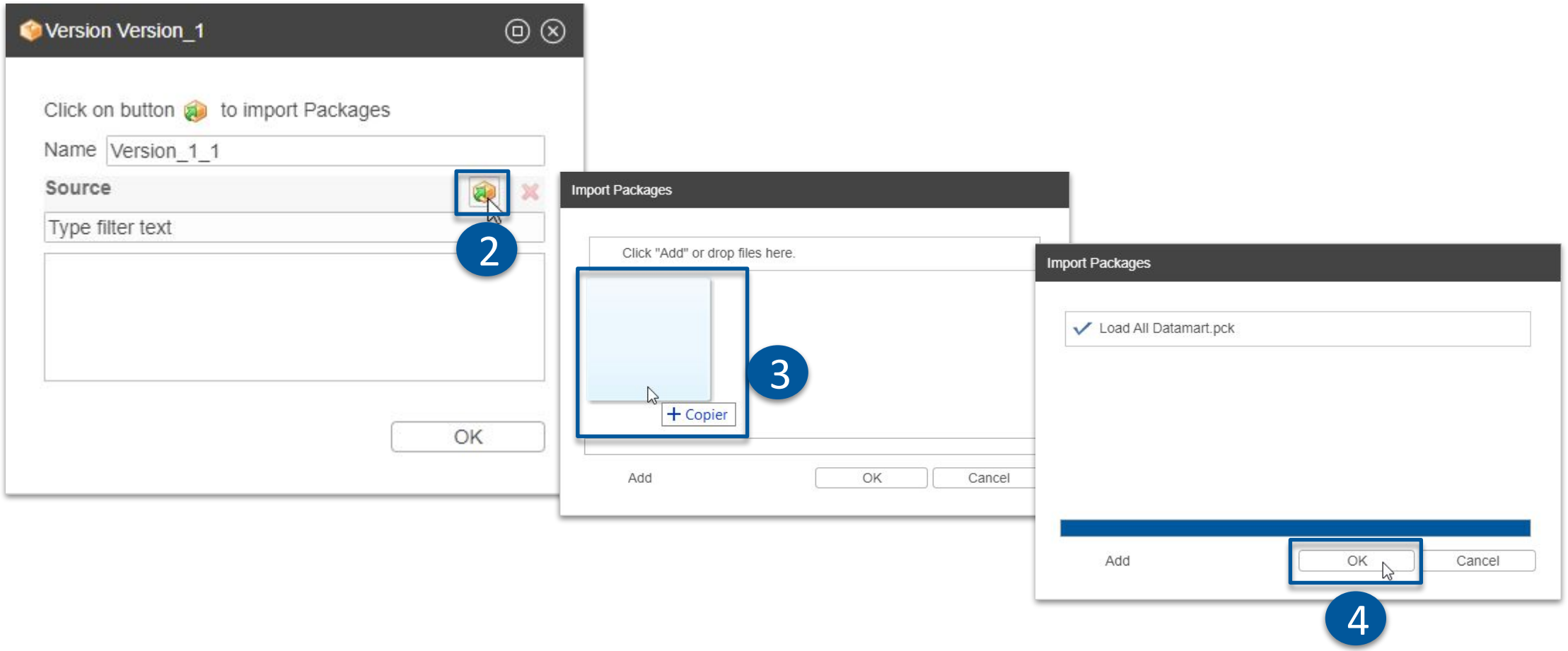
0. open the Delivery Projects/package from the navigator view
1. create a new Version

A *deployment* consist in the configuration of metadata values for a package version & a target environment



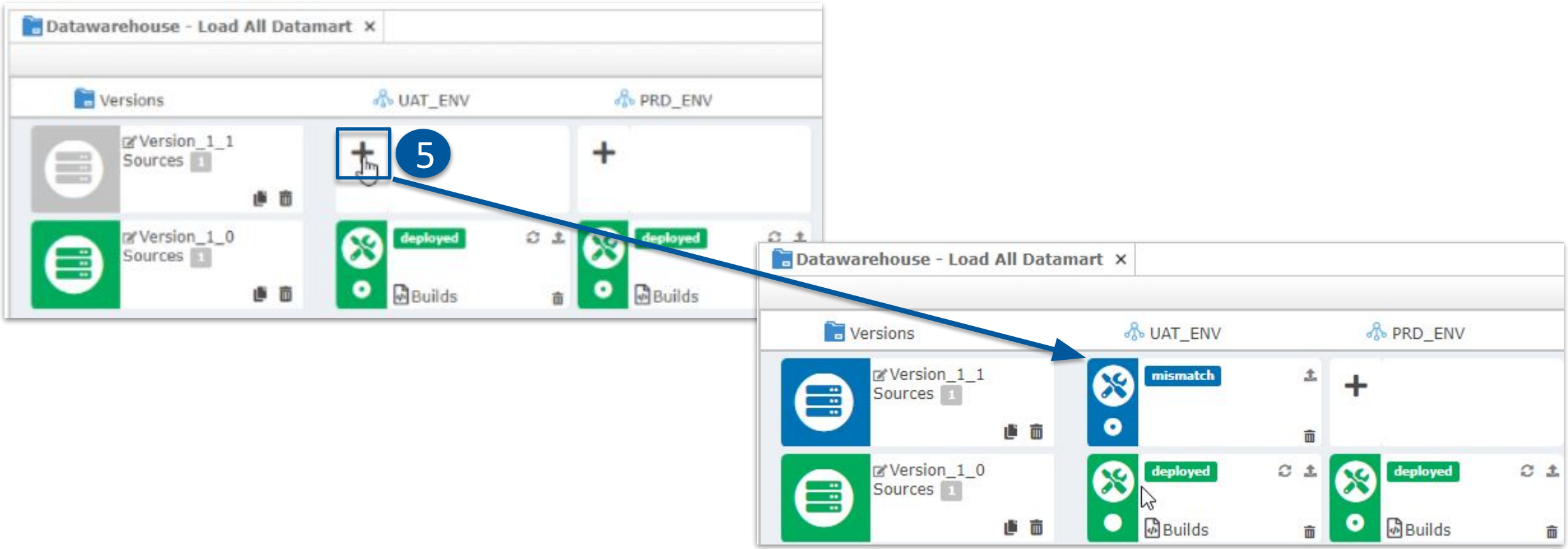
Name the version & import your packages

The *package version* stands for a given version of the package



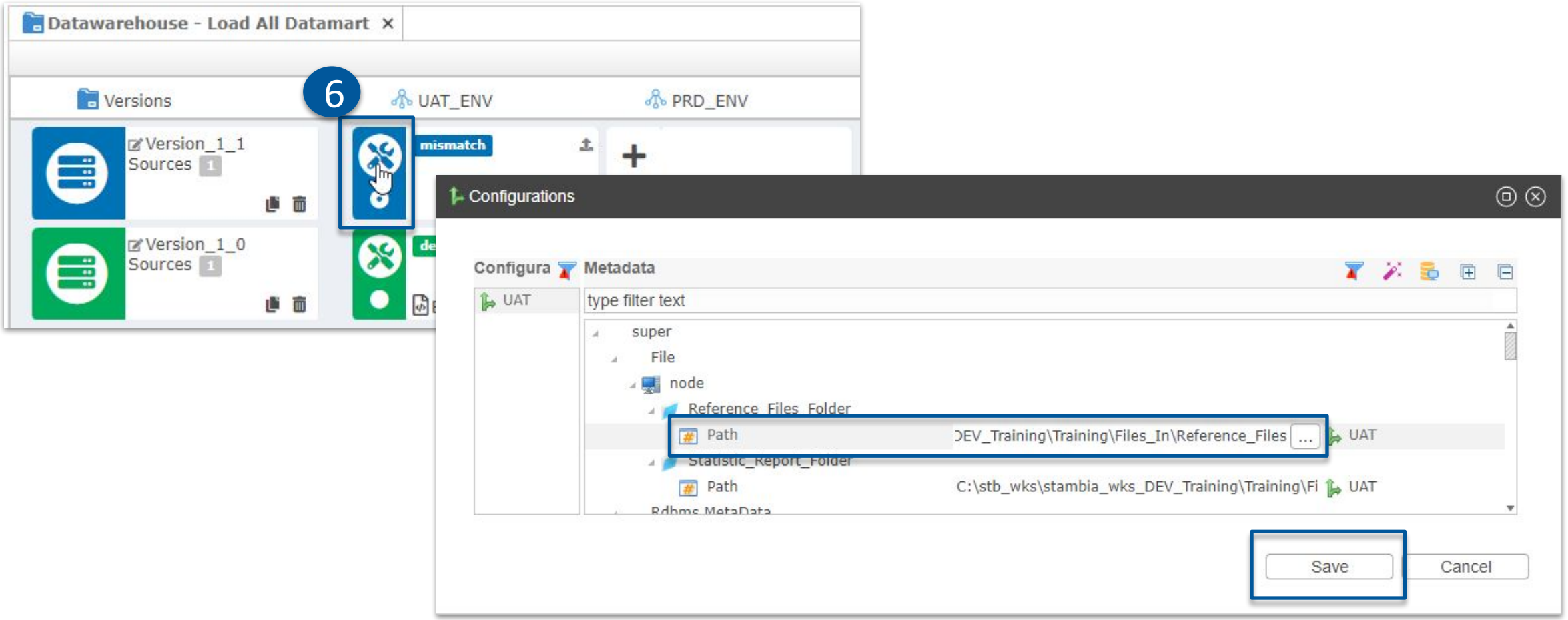
Create a version for an environment

Once the package imported, a version must be created for each environment



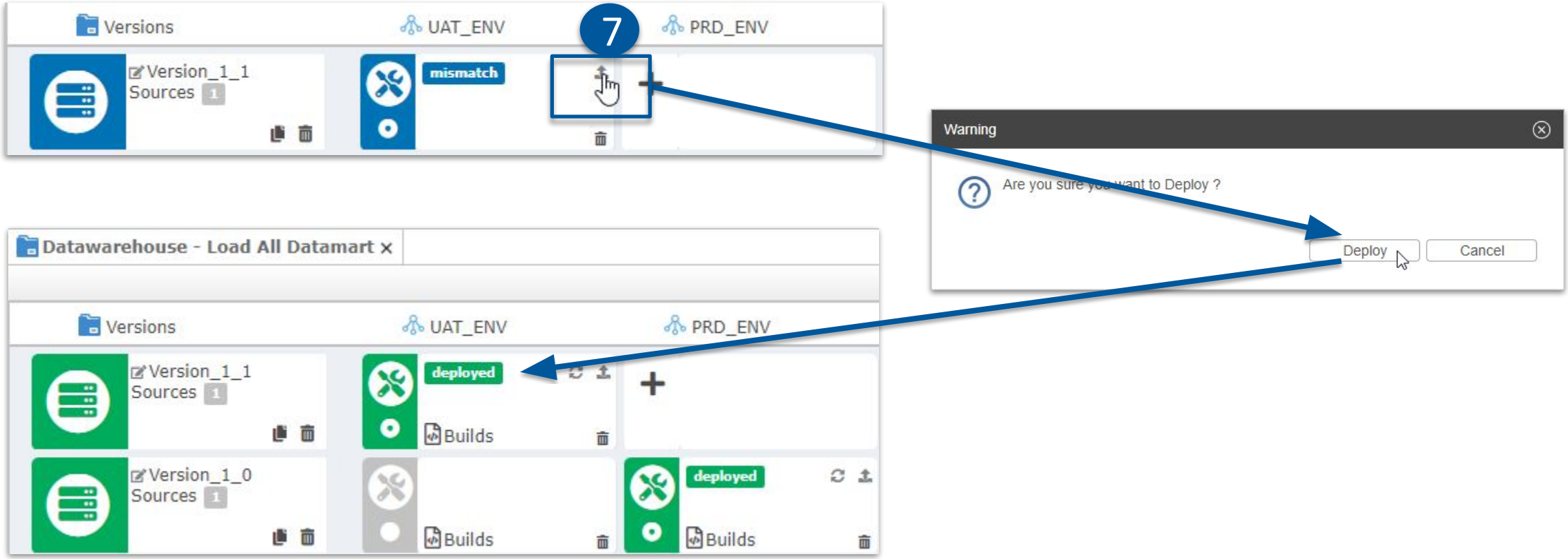
Set / change the metadata values

Metadata properties values must be defined/updated



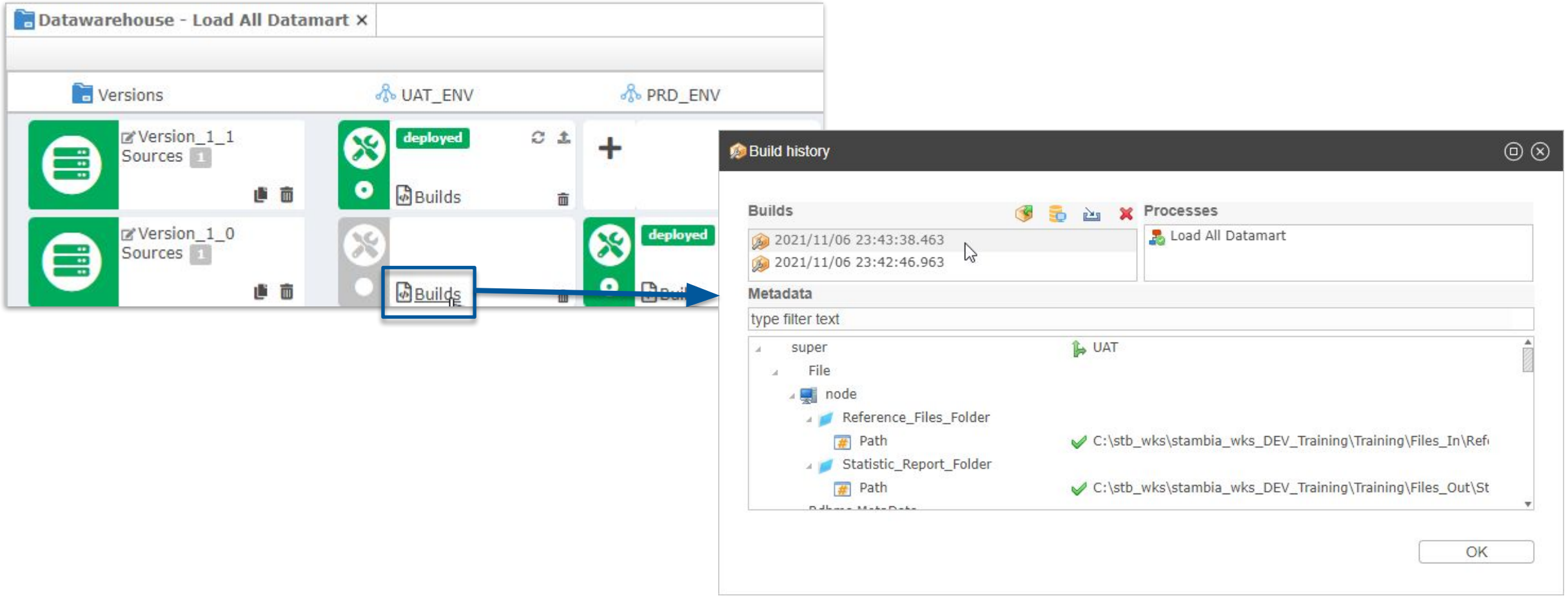
Build and deploy your delivery

Click on the deploy button to build and deploy your delivery on the Runtime



Restore previous builds / configurations

A previous build can restore as it was or using the updated configuration values



xDI Analytics deployment API

Deployments through xDI Analytics can be managed using the REST deployment API to:

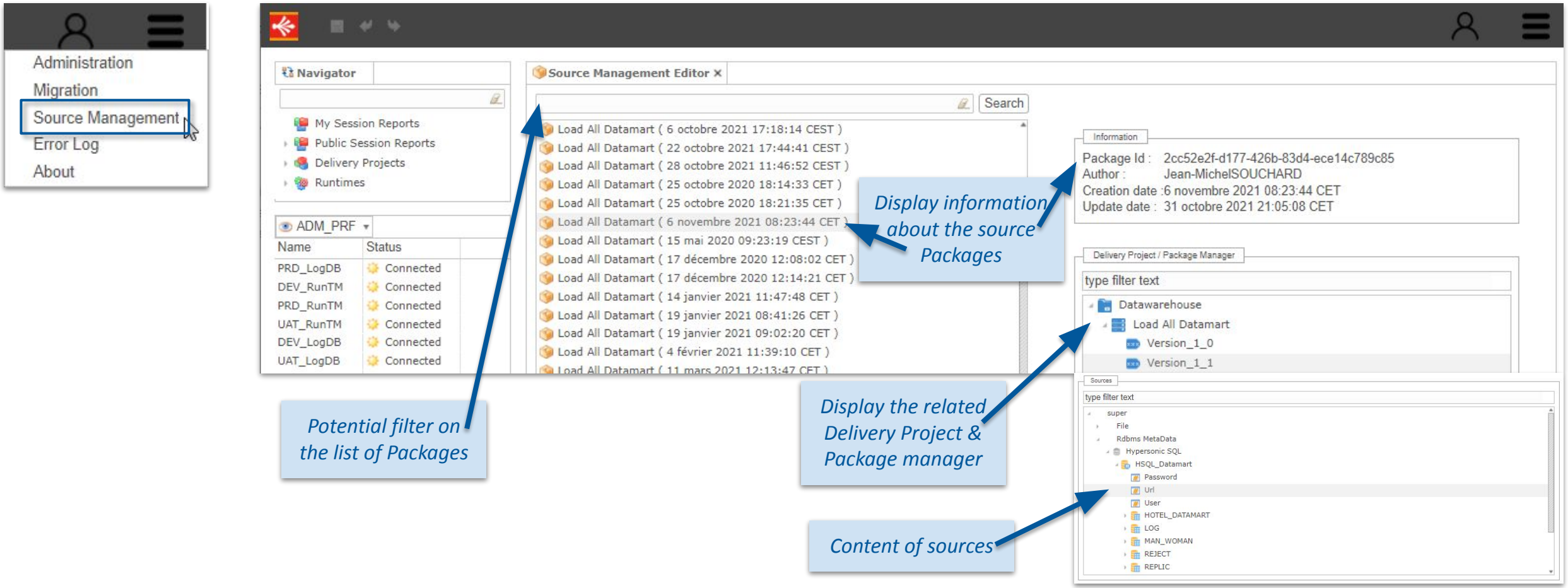
- Create the package items within existing delivery projects
- Import .pck source files to packages
- Build and deploy packages

Basics locations summarized to access the different APIs and descriptions:

Name	Description	Value	Example
Base URL	Analytics REST APIs' base URL for operations	<application_base_url>/analytics/services/api/2	http://localhost:8080/analytics/services/api/2
Swagger2 Descriptor	Analytics REST APIs' Swagger2 descriptor file	<application_base_url>/analytics/services/swagger.yaml	http://localhost:8080/analytics/services/swagger.yaml
Swagger-UI	Analytics is exposing the Swagger-UI tool to play with the API using the Swagger2 descriptor	<application_base_url>/analytics/swagger-ui/api/2	http://localhost:8080/analytics/swagger-ui/api/2
Postman collection	A sample Postman collection is created to get started with the APIs operations if you are familiar with Postman software.	To download (https://stambia.org/internal-docman/591-analytics-rest-api-2-postman-collection/file?version=000000)	

xDI Analytics Source Management

Display all source packages that have been imported into analytics and where they are used:



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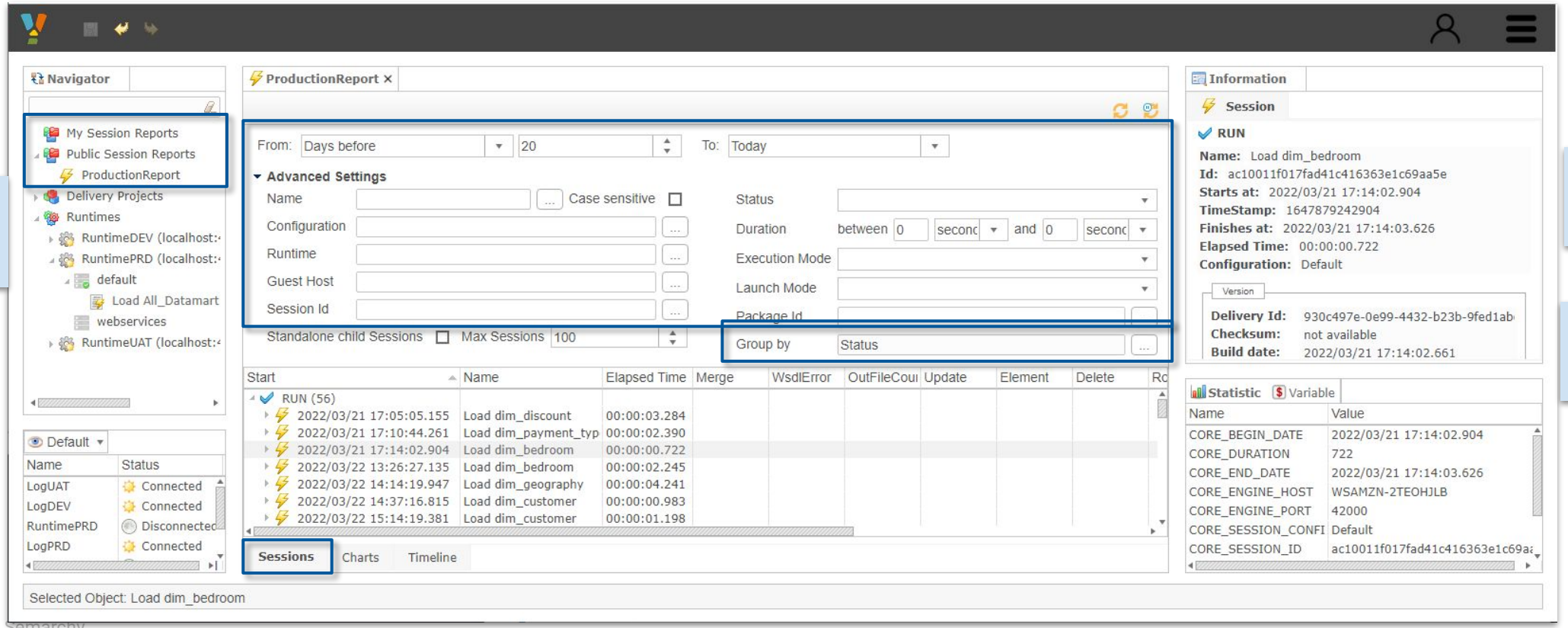
I3 - Session reporting

Following the sessions

Session executions can be followed in Analytics

- Filtered using criteria & grouped by different information
- Stored in “My Session Reports” (private) or in “Public Session Reports” (shared)



Location to store Session reports

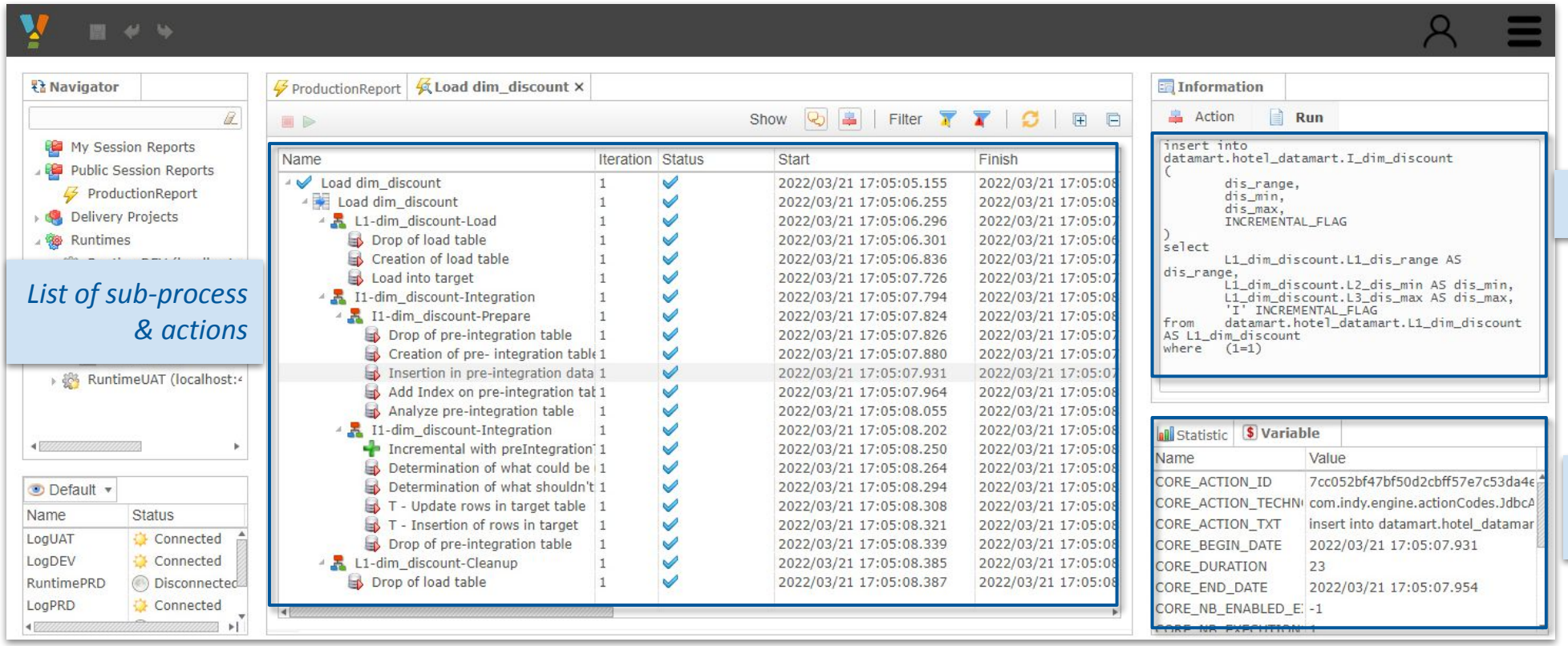
Criteria to filter

Group sessions per

Status
Name
Runtime
GuestHost
ExecutionMode
LaunchMode
Configuration

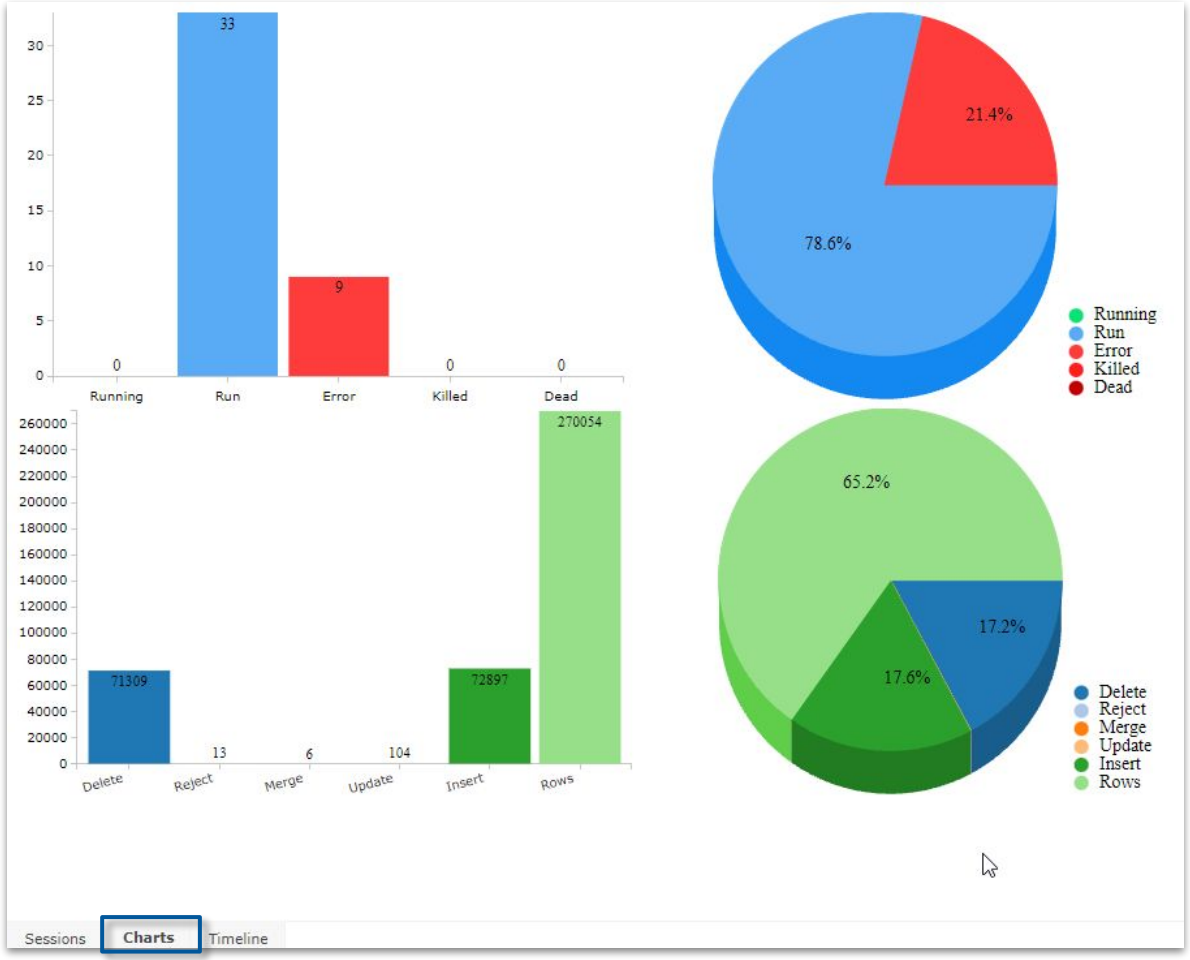
Following the sessions

Double-click on a session to have a look inside the session execution and see the different steps of the process:



Following the sessions

Follow the activity of the sessions through charts:



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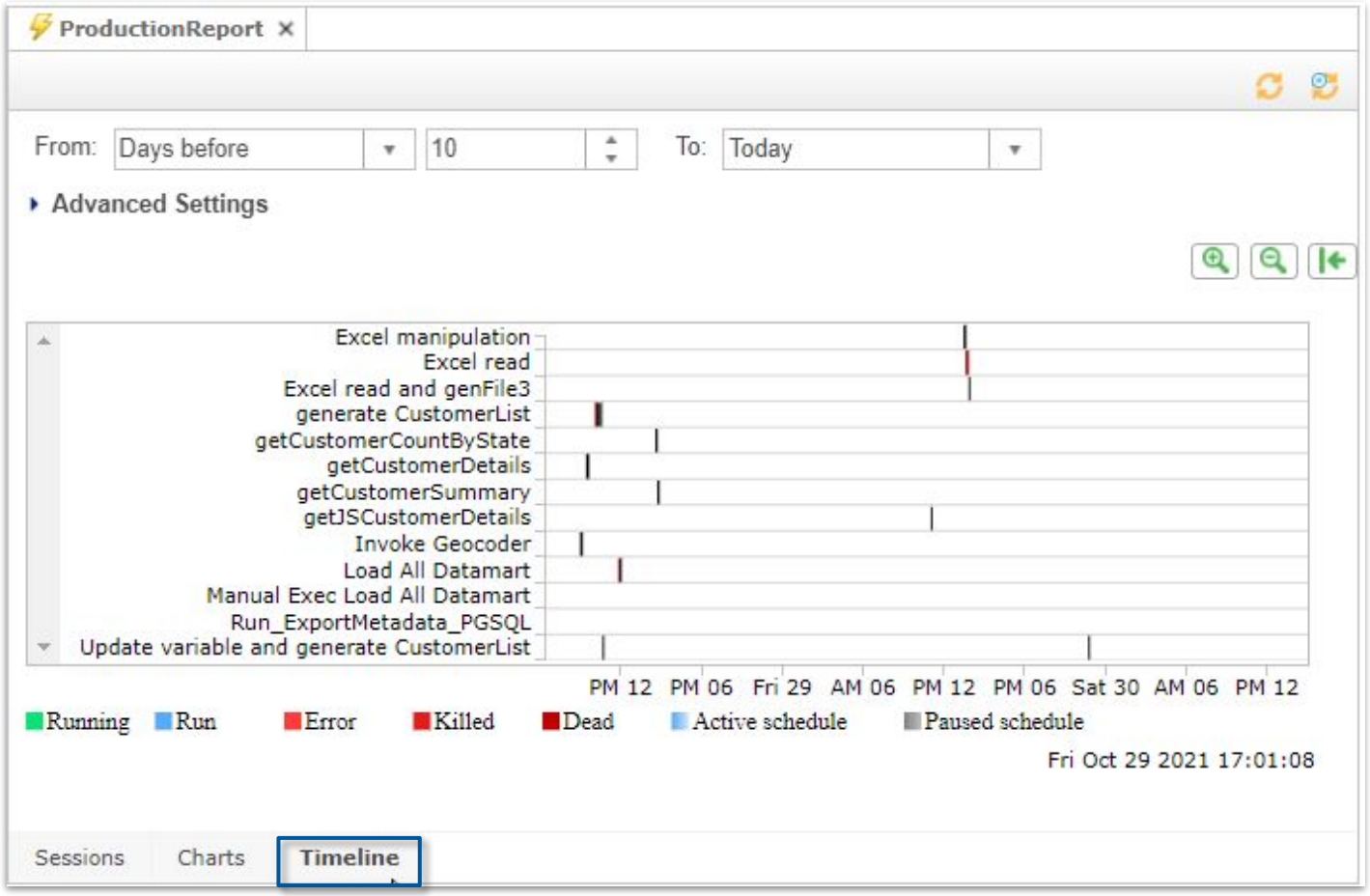
Following the sessions

Follow the activity of the sessions through TimeLines:



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- Web Service

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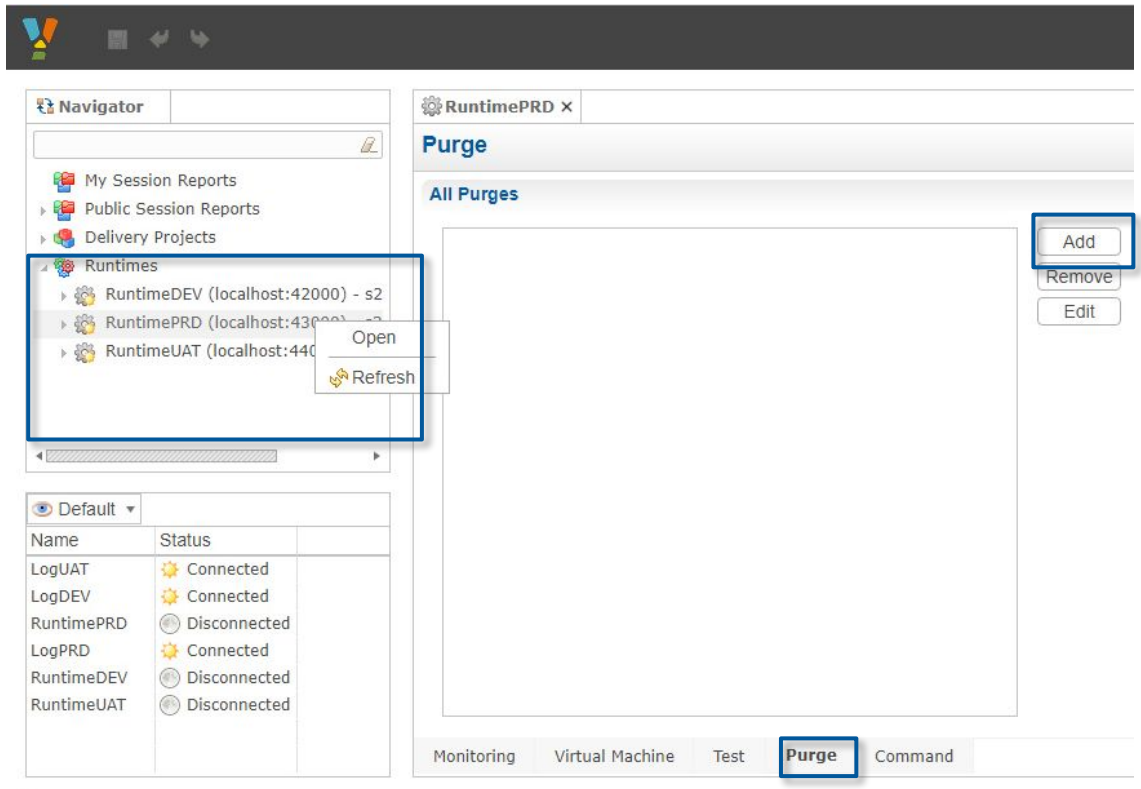
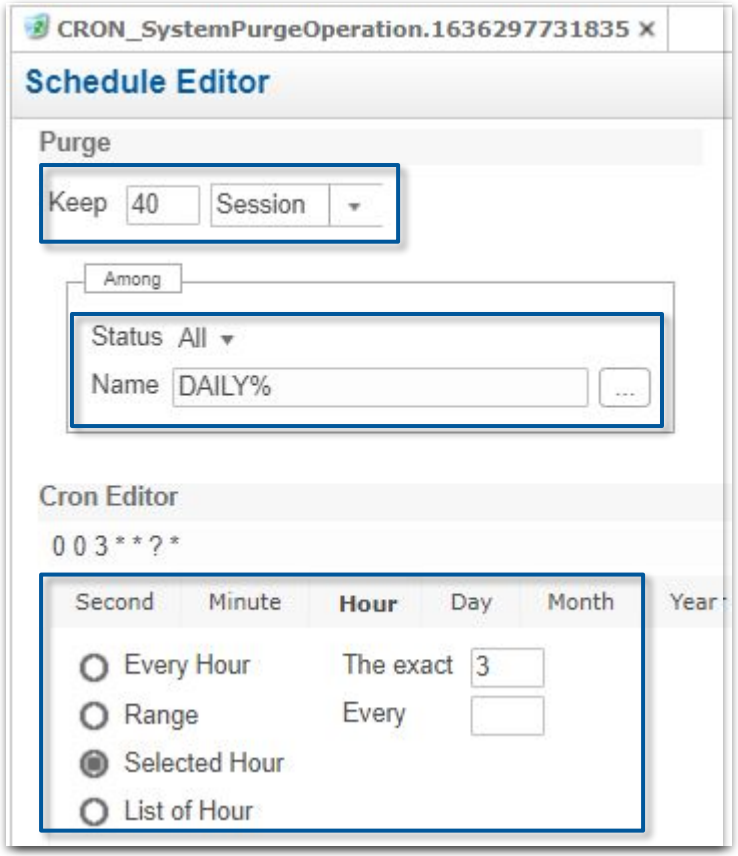
I4 - Further functions

Purge the sessions

To plan purges:

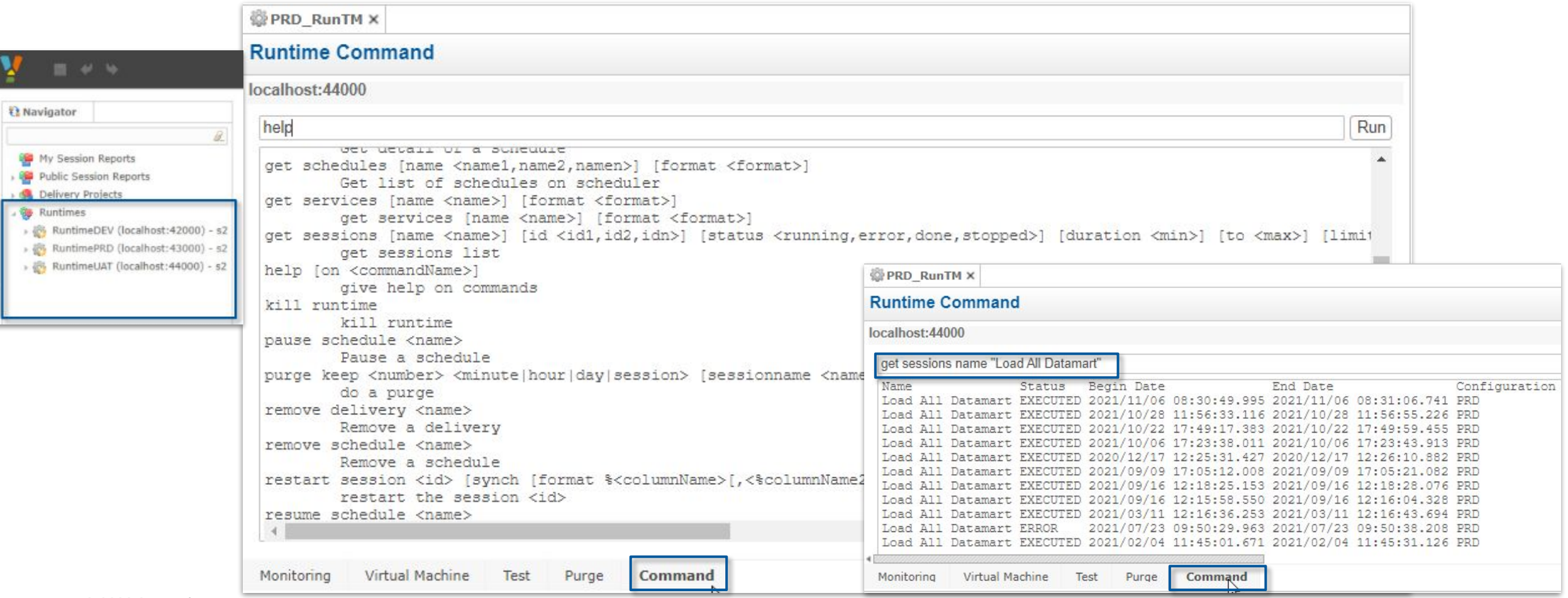
- Open a Runtime
- Plan purges





Execute Runtime commands

Possible to directly execute Runtime commands to retrieve Runtime information:



To go further

Document Type	Link
Stambia.org article Getting started with Analytics HTTP REST API	https://stambia.org/doc/250-stambia-di-software/production-analytics/rest-api/714-getting-started-with-analytics-http-rest-api
Stambia.org article Analytics Docker	https://stambia.org/doc/54-stambia-di-software/production-analytics/installation-and-upgrade/690-analytics-docker
Stambia.org article Analytics 3.1	https://stambia.org/doc/125-stambia-di-software/production-analytics/release-notes/711-analytics-3-1-x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Questions?