

Viscovery® Scheduler 5.2 - Data Sheet

Main Functions

- Automated processing of completed workflows from Viscovery Profiler and Viscovery Predictor (Create Data Mart, Create Model, Apply Model).
- Automated update of models, segments, actions, formula values (business rules), predicted values, score groups.
- Repeated execution at arbitrary scheduled times (monthly, weekly, daily, once only, or arbitrarily periodic).
- Notification via email after workflow execution, including result status and report.
- Dependencies among workflows definable (workflow result serve as inputs for the dependent workflow).

Features

Usability

- Clear calendar display with a project hierarchy.
- Simple import and export of workflows via drag & drop from and to Viscovery Profiler and Viscovery Predictor.

Reports

- Instant reports for the workflows available anytime.
- Reproducibility of completed workflow steps by automatic reporting.

IT-Technicalities

Architecture

- File oriented stand-alone software suite, implemented in Visual C++ using Microsoft Foundation Classes (MFC).

Interfaces and Formats

Data

- Most formats are "read-only", some formats can also be written (results).
- Uses ODBC/OLEDB to access all common RDBMS, such as Oracle, SQL Server, DB2, Informix, Sybase, etc.
- Tab separated flat files.
- Space separated flat files (read-only).
- Microsoft Excel files (read-only).
- SPSS files.
- XML files (by default Viscovery XML, can be adjusted to special formats on request – "customized XML").
- *.DMS files: Viscovery Data Mart (proprietary file format optimized for the analysis in Viscovery; accompanied by *.DMD and *.DMM files). Can be used in both Viscovery Predictor and Viscovery Profiler and can be exported to other formats.

Projects

Completed workflows (Create Data Mart, Create Model and Apply Model) can be imported from Viscovery Profiler and Viscovery Predictor via drag & drop and can be exported back after they were executed.

Segmentation Models and Predictive Models

- The content of a SOM file is defined by the imported workflow (either from Viscovery Profiler or from Viscovery Predictor).
- *.SOM files: Viscovery Profiler models (SOM data representation including segmentations and business rules).
 - Used by Viscovery Profiler to assign segments and actions as well as to compute business rules and to evaluate campaigns.
 - Real-time integration using Viscovery One(2)One Engine into third-party software applications (for the assignment of segments and actions as well as to compute business rules; furthermore to provide all analytical information in the model).
 - These files can also be inspected and modified by Viscovery Decision Maker.
- *.SOM files: Viscovery Predictor models (SOM data representation including local regression models).
 - Used by Viscovery Predictor to compute the predicted values.
 - Real-time integration using Viscovery One(2)One Engine into third-party software applications (to compute the predicted values and to provide all analytical information in the model).
 - *.SOM files can also be accessed by Viscovery Profiler and Viscovery Decision Maker (does not impact the local regression models).
- PMML files (*.VXM): Contain the global regression model in PMML format.
 - Used by Viscovery Predictor to compute the predicted values and to evaluate models based on a global regression.
 - Real-time integration using Viscovery One(2)One Engine into third-party software applications to compute the predicted values.
 - These files can also be imported into the engines of other vendors supporting PMML.

System Requirements

Minimal requirements for a workstation configuration (recommended workstation configuration)

- 1 GHz CPU (3 GHz or higher).
- 512 MB RAM (2 GB or more).
- Windows XP SP2 (or higher).
- 24 bit color graphics, 1280x800 (or more).
- The installed Viscovery Scheduler software requires approx. 22 MB disk space; to work comfortably on a project we recommend free disk space per project that is 10 times the size of the data file.