

Viscovery[®] One(2) One Engine 5.2 – Data Sheet

Online and Real-Time Integration of Viscovery and PMML Models

- All information from the Viscovery models (segments, actions, score values, node values, etc.) is available to the invoking system.
- Integration using different APIs: C/C++, COM, Java, SOAP.

Features

- Viscovery One(2)One Engine is integrated entirely into the application software and provides no user interface.
- High performance (minimum 5.000 decisions per second).
- Easy integration through lean API.

IT-Technicalities

Architecture

- Function library (runtime environment) that supports the integration of CBM and PMML models via multiple technologies (C/C++, COM, Java, SOAP).

Supported Platforms, Interfaces, and Formats

Platforms and APIs

- C/C++ under Windows XP SP2 or higher, Linux (i386), AIX (from version 4.3, 32bit).
- COM under Windows XP SP2 or higher.
- Java Wrapper, runtime environment under Windows XP SP2 and higher.

API Functions (Example C/C++)

- OpenModelFromFile, OpenModelFromMemory, CloseModel
- GetModelProperties, GetPredictionValueName
- GetAttributeNames, GetAttributeName, GetAttributeCount, GetAttributeProperties, GetModelValuesProperties, GetModelDimension
- RecallActionCode, RecallPredictionValue, RecallClusterName, RecallTargetGroupDescription, RecallCoordinates, GetSegmentationId
- GetFormulaNames, RecallFormulaNumberXY, RecallFormulaStringXY, RecallFormulaNumber, RecallFormulaString
- GetErrorString

Data Exchange

- Data records are passed to the Viscovery One(2)One Engine through function calls.

Model Formats

- *.SOM files: Viscovery Profiler and Viscovery Predictor models.
- PMML files (currently supporting linear regressions).

System Requirements

- Runs on all platforms mentioned above.
- The performance scales with the hardware.