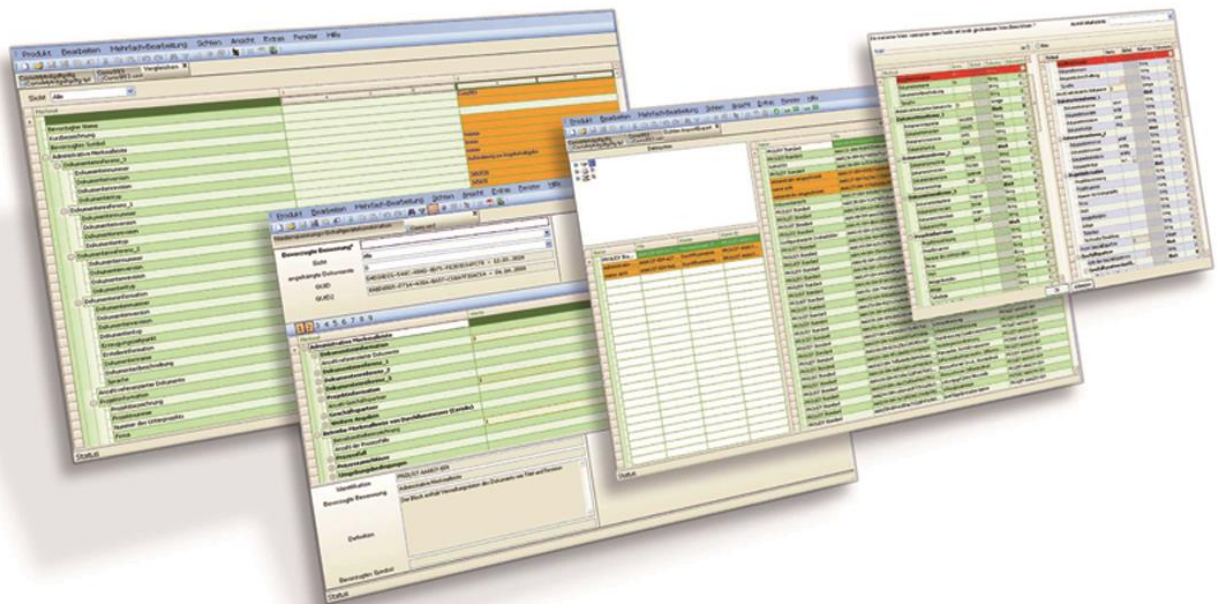# eCl@ss-API

Data sheet
eCl@ss-API

The Paradine eCl@ss-API supports software developers to integrate the eCl@ss standard into their applications and to enable applications to read and write eCl@ss compliant data in eCl@ss BASIC as well as eCl@ss ADVANCED data format.

eCl@ss-API – Data sheet

eCl@ss-API:

The eCl@ss classification and product description standard is an internationally established multi-lingual cross industry standard.

According to the eCl@ss standard products and services can be classified and described with product specific properties. The eCl@ss standard is provided as dictionary in eCl@ss-XML-format.

The eCl@ss standard is offered in BASIC version providing a four level classification tree and flat lists of properties for product description. The eCl@ss ADVANCED version uses additional elements such as blocks, cardinality or polymorphism to be able to also describe complex products. The eCl@ss ADVANCED version is often used in engineering processes and systems (CAx-systems).

More and more software vendors implement the eCl@ss standard to offer customers the possibility to participate in the electronic exchange of structured product and catalog data with suppliers, customers or internal software-applications.

With the eCl@ss-API Paradine offers a software library that simplifies the integration of eCl@ss standard in your application, and enables your systems to read and write eCl@ss compliant data.

Part of the eCl@ss-API integration is the creation of mappings of the eCl@ss structure to the native structure elements.

Target audience:

- Software vendors and developers who want to enable their systems to process eCl@ss compliant dictionaries as well as eCl@ss compliant product data (CAx, PLM, ERP, eCatalog-systems, product configurators and databases, etc.).

Application scenarios:

- Create, edit and write electronic product catalogs according to eCl@ss ADVANCED specification in BMEcat 2005.1 format.

- Create and maintain catalogs or catalog templates according to eCl@ss BASIC format.

Scope of services:

- Import of eCl@ss dictionaries in eCl@ss-XML-Format
- Support of eCl@ss BASIC and ADVANCED data format
- Provision of classes for each structure element (class, property, list of values, quantity, unit, etc.) of the eCl@ss XML schema
- Support for searching and listing of objects
- Create, read and edit eCl@ss catalog templates
- Read, edit and write BMEcat2005.1 catalog format
- Support of different eCl@ss Releases
- Usage of ISO 29002-20 Web Services
- Conversion of eCl@ss based product data to higher eCl@ss releases applying eCl@ss TUF information

Delivery contents:

- Software library (DLL)
- Demo-program in source code
- Documentation

Our offering:

- Software-license
- Maintenance and support contract
- Implementation support (optional)

Technical pre-requisites:

- Microsoft .NET framework
- Microsoft Windows XP®, Vista®, Windows7®, 32 und 64bit system

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