

D&R Configurable Enterprise Platform

A Multi Function Configurable Enterprise Intranet Platform

D&R Enterprise Intranet Platform aims at covering a large spectrum of information and data sharing needs in Electronic Systems Design such as internal design reuse, external product cataloging and license management, configurable documentation center, web support etc...

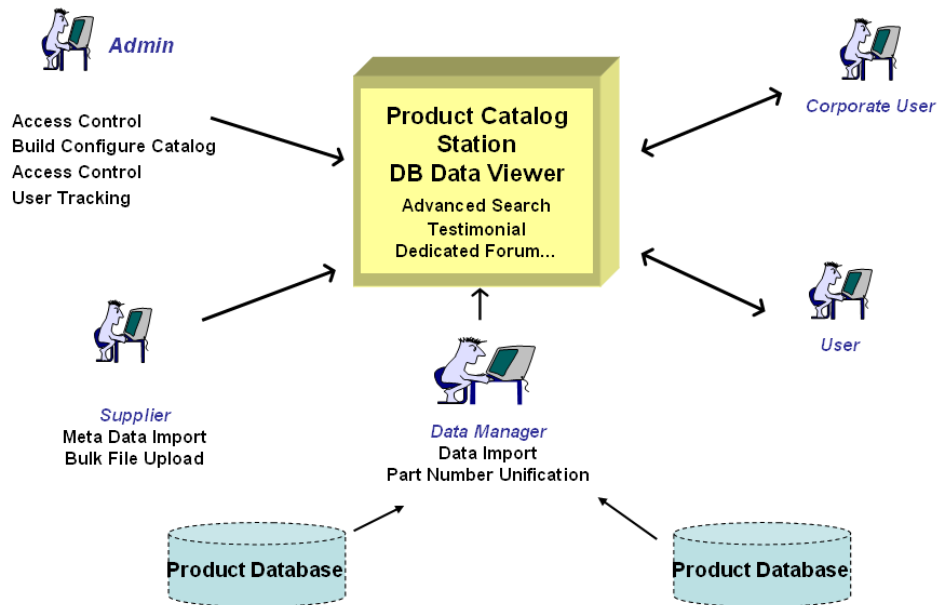
Over years, this innovative platform based on the latest Java/XML technology has proven a fascinating design information sharing efficiency. It yields increasing system design productivity as well as outstanding improvements in supplier product management.

Through its amazing configurable features, a large set of key corporate needs and key applications take profit of this innovative technology based on advanced information and design sharing.

From a Product Catalog Station to a Distributed Database XML Viewer

- Create Configurable XML Web (Internet/intranet) Product catalog
- Flexible XML formatting
- Advanced search through any browser
- Advanced Access management
- Customizable API to authentication systems
- Life cycle support
- Extensible Library Unit
- Massive Meta Data Import/Export from Excel
- XML Data Import/Export over Firewall
- XML Web Viewer of Decentralized Database
- Attached File Bulk upload
- Product Part Number unification and file name convention

One of the most powerful features of the platform is the ability to generate flexible, evolving [product catalogs](#) that can easily be browsed by authorized users. The catalogs are based on a library of XML formats assigned to a catalog or categories within a catalog. A large variety of format leaf types (attributes, images, URL, bridges to related panels...) as well as an extensible unit library allows to cover an unlimited set of application domains. Easy Mapping to new formats guarantees life time support. Massive and automated data import from any electronic support (Excel files for instance) as well data Import/Export through firewalls makes this product's catalog technology unique for supporting external supplier product catalogs in an intranet.



Within a large multi site company it can also be viewed as a [centralized XML user friendly Viewer](#) collecting views or data stored in decentralized databases. It brings strong management benefit (unification of part numbers, information sharing and merging etc...). Data may stay in their native locations visible through XML links or centralized at the server location. Bulk attachment of files together with a file naming convention will contribute to enhance significantly the overall corporate product management.

External Supplier Product Order and License Management



For multi site companies

- License requests emitted from the Product catalog
- Centralized control of corporate agreements
- Budget follow up
- Bridging to provider's license server

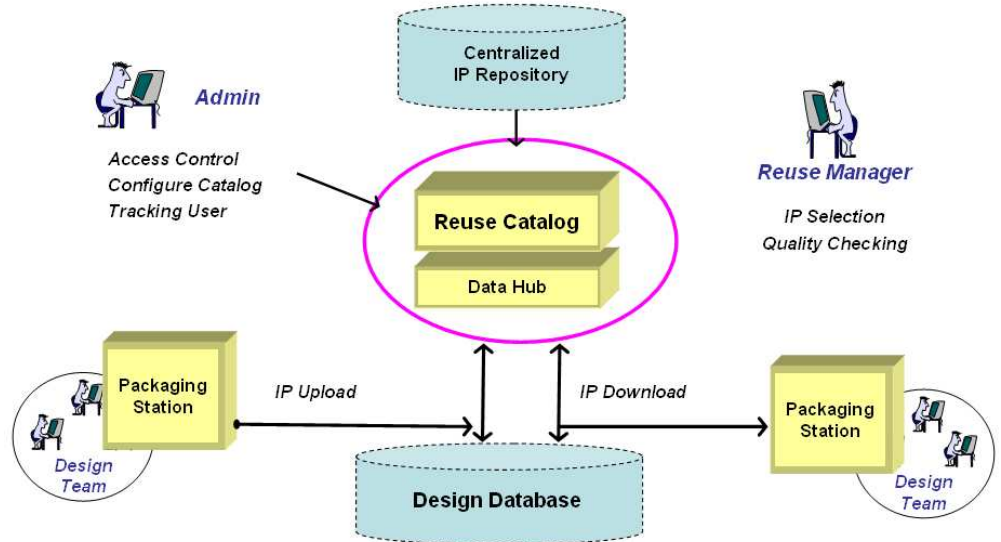
License Request Management for worldwide products (IP and Software) within corporate agreements for supplier products in the name of all decentralized corporate divisions aims at saving designer's time thus increasing their productivity as well as controlling budget and license costs.

Directly connected to the External Supplier catalogs, license requests are controlled by managers through license request panels and the workflow of approvals is optimized across the corporation. The status of licenses requests and licenses running all over the geographical centers is displayed at the management levels and cost saving by license sharing becomes straightforward. Ordering a set of products is handled as a hierarchical set of license requests (IP and software) and follows the same workflow than basic licenses.

Internal Silicon IP (Intellectual Property) and Design Reuse Station

- Creates a directory of reusable design blocks
- Customizable submission process
- Customizable approval panel
- Automated user rating
- IP file attachment on XML directory profile
- Direct bridging to design configuration system and design database
- Storage in a centralized IP repository under revision control
- Customizable download protocol

One of the first successful applications is the implementation of an IP Exchange Station in IC design companies. On the platform, a catalog offers reusable blocks proposed by the design teams and validated by a Reuse management team. In a so called associated **Packaging Station**, design files of the IPs are (XML) tagged, attached to a reference profile or can be imported as whole from the native Design Database. Design files can then be downloaded by authorized design teams according to a download protocol defining the approval process. IP files are stored in a **centralized repository** under revision control thus providing improved safety and independency with respect to the native database.

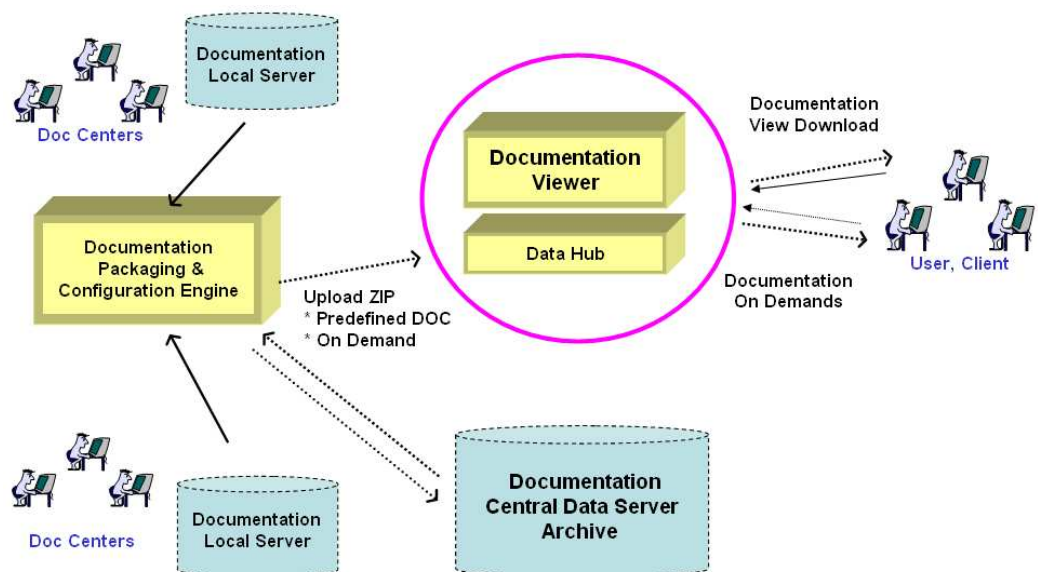


Configurable Documentation Center **NEW**

- XML Profiling of complex Documentation
- Configuration created in terms of basic modules
- Friendly Documentation User viewer on a server
- Documentation Download by authorized users
- Predefined Documentation available on a data hub
- On the Fly configuration user requests supported
- Heterogeneous Doc location supported
- Optional import in a centralized Data server

All major companies have been confronted to the headache of maintaining user/client documentation for configurable products.

Generating the right documentation configuration of a client product targeting the right client options (technical parameters, language, relevant security protocol. etc...) without redundancy and with a powerful revision control system has been the challenge of the new features in this platform. Adding a server based friendly GUI as well as On the fly, On Demand documentation generation and delivery, this platform solves the main requirements and brings golden advantages both for internal usage and customer relation.



Environment

Runs under any OS (Windows, UNIX, Linux, HP ...) | Supports all internet browsers (Netscape, Internet Explorer) and any type of relational database (Mysql, ORACLE, ...) | Uses Java, WebServer (Jakarta-tomcat, WebSphere ...), and XML technology.