

# DRLTools



## The SmarTeam Productivity Toolset

DesignRule's SmarTeam Productivity Toolset (DRLTools) significantly improves the usability and reduces the implementation time of SmarTeam PLM solutions. By providing pre-built enhancements to standard SmarTeam functionality, DRLTools results in faster implementations and higher returns on PLM investments.

Gaps will always exist between what users require and what the out-of-the-box SmarTeam functionality provides. To address these gaps, implementation teams need to evaluate the impact of changing the product configuration on upgradeability, interoperability and implementation time. These changes make implementations and upgrade longer and more expensive.

During its 40+ PLM implementations, Design Rule realized that most organizations request similar changes to out-of-the-box SmarTeam so we developed this new Toolset architecture built upon our new SmarTeam RADE (Rapid Application Development Environment). DRLTools enables these individual enhancements to be componentised, simplifying these common changes while streamlining their implementation and upgrades. DRLTools not only closes the gap between requested and out-of-the-box SmarTeam functionality, but also reduce the time and cost required to investigate the impact of each change, leading to faster and lower risk implementations, while typically reducing the costs of customisation services by 50%.

### SmarTeam customers using DRLTools

Avery WeighTronix	Lotus Cars
Meggitt Aerospace	Oshkosh Truck
Magellan Aerospace	PALL Aeropower
GE Aviation	Webster & Bennett
AugustaWestland Transmissions	Deepstream Technologies
PALL Filters	Aggreko
Johnson & Johnson	SSAB
Solar Century	Flight Refuelling
Trelleborg Industrial	Chubb Fire Systems

DRLTools are now available globally through our strategic distributor:

Inceptra LLC.

[www.inceptra.com](http://www.inceptra.com)  
+1-954-442-5400  
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### About Design Rule

As a Dassault Systemes PLM Partner and IBM PLM Business Partner, our greatest commitment is to our customer's success - 'we never let a customer fail'. We have a global reputation of the highest level for both technical competency and delivering innovative, cost effective and rapidly implemented PLM solutions. Our strategic partnerships with industry leaders in the UK and globally enable us to provide a single point of contact for implementation of global PLM solutions that truly improve our customers productivity and profitability.

## Delivering Thought Leadership in PLM

### DRLTools Philosophy

DRLTools is a suit of SmarTeam software components that deliver the following three main benefits to companies implementing SmarTeam:

- ◆ Significantly faster implementation with 'point & click' customization—a reduction of up to 50% in man time.
- ◆ Improved user-experience with productivity automations
- ◆ Upgrades of 'customisations' are now seamless and zero-cost

Demonstrably a SmarTeam out-of-the-box implementation will deliver 70% to 80% of an average customers requirement; DRLTools has a proven track record of delivering the other 20% to 30% with no scripting!

DRLTools has been successfully retro-fitted to an existing live SmarTeam implementation which had been very heavily customised with SmarTeam API scripts. The previous cumulative staff cost of maintaining scripts and debugging every upgrade were significant and unacceptable.

DRLTools are constantly evolving and improving as we incorporate significant new enhancements that our new customers require. Typically if an enhancement is viewed as generic and would be widely used, it would be incorporated into the general release development at no extra charge; however when enhancements are specific to a customer then this would be charged as a development; however it would still be incorporated into DRLTools meaning that although other customers may benefit, the 'special' is maintained within the standard DRLTools maintenance charge. This philosophy ensures DRLTool's functional capability grows faster and faster.

DRLTools are delivered as standard client and server install packages (MSI) aligned with specific SmarTeam releases and service packs. All customers use the same software eliminating development configuration issues.

### DRLTools Recent Enhancements

- ◆ Web Editor support for R17 & R18. Within the constraints of the SmarTeam WEB APIs, we have delivered a large number of DRLTools that work in the WEB interface. These include the server-side tools, as well as Cascading Pick List, etc.
- ◆ The tools for SmarTeam Workflow have been significantly enhanced and now deliver an unprecedented level of Workflow control and granularity; a control mandated on our customers to address the most demanding compliance legislation.

### DRLTools Services

- ◆ Services are provided by Design Rule and its global distributors and include installation, administration and product support during both new and ongoing SmarTeam implementations.
- ◆ Customers are encouraged to become administrators for DRLTools and full training is available.
- ◆ DRLTools has its own Custom API hooks that allow some customers to further augment standard DRLTools mechanisms or behaviours. There is a short API training course to support this.

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# DRLTools in action



## SmarTeam Productivity Toolset Overview

DRLTools is designed to be easy to set-up and maintain and uses the standard SmarTeam Administration Settings. Installation is simple with supplied Install Package MSIs for both client and servers, including Web. DRLTools are split into Client tools and Server Tools:

### DRLTools Client Side Functions

- Add Folders to New Project
- Assign a New File from Template
- Cascading Pick List
- Revision System
- Copy Attribute Values
- Clear Values after Operation
- Find and Link Matching Object
- Create/Search and Link Object
- Create Processor System Queue Object
- Update Community Workspace
- Must Enter Comment
- Drag and Drop Desktop Application
- Link To Active Flow Process
- Workflow and Attribute Security Models
- Workflow Verify User
- Workflow Choose Next Node
- Workflow Choose Next and Future Node Users
- Workflow Update From Process
- Debugging Tools

### DRLTools Server Side Functions

- Trigger Systems—timer / MSQ / File Watcher / Push Button
- Processor Systems - universal batch processing
- PDF Generation—Electronic Signature / Watermarks
- Export System - XML / CSV / Excel / Sharepoint / etc
- Import System —XML / CSV / Excel / etc
- Community Workspace publish enhancements

### DRLTools vs standard SmarTeam functions.

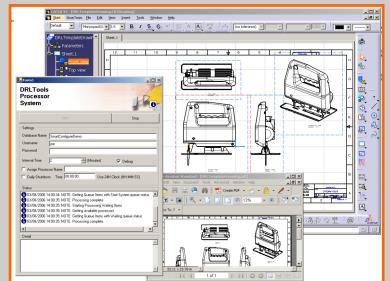
DRLTools has evolved over the years as a result of customer customisation requirements, to a point where it delivers nearly 100% of most customers customisation needs. It truly reflects real world needs.

DRLTools is designed to augment and enrich the standard SmarTeam functionality, but where the tools initially appear to duplicate these functions, in fact the tools significantly extend the functions or provide a different methodology that allows the customer to adapt SmarTeam to their business, rather than adapt the business to SmarTeam

### Systems requirements

- ◆ Prerequisites as SmarTeam v17 SP5 or later, inc. Web Services
- ◆ CAD/MS-Office applications as supported by SmarTeam at Release and SP level
- ◆ Adobe Acrobat V7 or later (installed on server for PDF generation)

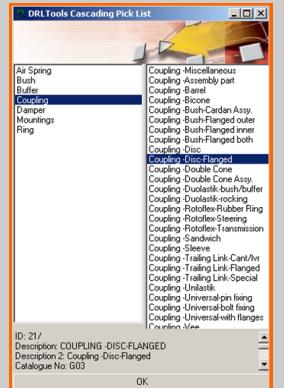
*Server-side PDF Generation from CATIA V5, SolidWorks, AutoCAD, Inventor & MS-Office, including electronic signature audit for FAA compliance. Supports both Windows and Web Editor clients. Optional publish to ERP, Sharepoint, etc.*



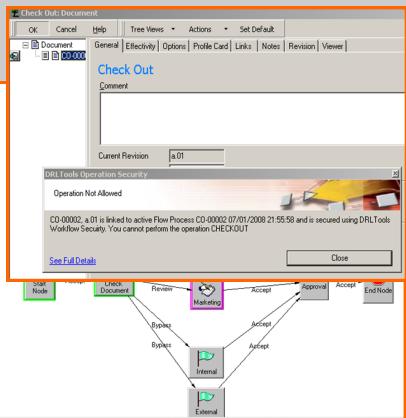
*Files and folders can be drag-and-dropped anywhere on the SMARTEAM image 'drop zone' to activate check-in; folders are zipped automatically. The Simple Search window eases use for occasional users*



*Create/Search and Link Object allows users to set-up a button on a SMARTEAM profile card. This button opens the dialog box and allows the user to either search for an existing object (using either the quick search or one of the SMARTEAM search dialogs) or create a new object, link this resulting object to the current object (using a predefined link type) and then copy values from the result object to the current object.*



*The DRLTools Cascading Pick List allows you to provide simple classification systems at the click of a button. The tool consists of a multi-level pick list control that presents options to the user based on the currently selected value. It can be used to provide standard descriptions, fill in default values and also provide custom unique mask ID numbers. All its values and behaviors are defined using point-and-click Admin Settings*



*DRLTools Workflow Security System provides an alternative security model for objects running through a SMARTEAM workflow process. The system checks before allowing an operation to see if the current object is attached to an active flow process, and if at the current node that the current user has permission to carry out the operation.*

