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SMARTTEAM

What's New in V5R12

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SMARTTEAM V5R12 – WHAT'S NEW

This document is a summary of the new features across SMARTTEAM's range of products for V5R12. For detailed information refer to the appropriate product documentation.

SMARTTEAM – FOUNDATION

Part and Document Behaviors

Based on experience gathered from numerous successful leading customer implementations, SMARTTEAM was enhanced to include **pre-defined behaviors** for Part and Document entities.

Behavior means a set of **pre-defined attributes, lifecycle states and business rules**.

Examples of different Behavior states include:

- ❑ **Part states:** Pending, Active, Inactive
- ❑ **Document states:** New, Checked In, Checked Out, Released, Obsolete

Example of a business rule: Specifications document cannot be detached from an Active Part.

Utilizing these behaviors assures:

- ❑ Management of parts and documents according to a structured methodology
- ❑ Implementation of industries best practices
- ❑ Standardization

Enhanced Lifecycle Management

Enhanced State behavior provides the flexibility to define different lifecycle behavior for different classes. Difference in the behavior of different object types lies in

- ❑ **Possible values of the State attribute**
- ❑ **Different lifecycle operations** that promote specific objects from state to state
- ❑ **Different rules** that define source state (s) applicable for the specific operation and the target state (s) assigned to the object as the result of the operation

Role

- ❑ **Definition of Role**, including assignment of **global organizational role** or **role** in a specific project
- ❑ **Role-based authorization**, in addition to the existing user and group based authorization.

Report Connector

- ❑ SmartReportConnector provides a standard way to access the knowledge captured in SMARTTEAM (through the OLE DB enabler) and leverages existing, standard report generator applications (e.g. Crystal Reports, Cognos, etc) to easily generate multiple reports on SMARTTEAM data.
- ❑ Facilitates decision-making by enabling businesses to track, monitor and analyze product, project, process and task trends

- ❑ Adheres to SMARTEAM authorization definitions regarding data access

Unified Administration and System Configuration tools

- ❑ Centralized system configuration provides secure, scalable configuration from a single location

Unified Authentication Infrastructure

This provides enhanced usability for users and administrators, and through newly unified authentication infrastructure, enables single-sign on and administrative efficiencies

- ❑ Single sign-on enables users to access any part of SMARTEAM without re-entering user details. This can be performed from any computer and user preferences are not lost.
- ❑ Flexible support of directory services (LDAP, Active Directory, more) enables SMARTEAM to use user definitions from other directories, saving time, and reducing administrative errors

Unified Language Control

Greater extensibility of SMARTEAM across a dispersed enterprise and with partner/customer systems, through unified language control and unified Help

- ❑ Supports simultaneous use of the same SMARTEAM system by different users in different languages
- ❑ Displays all SMARTEAM textual components in the local user's language
- ❑ Provides a central location for the entire enterprise, enabling central administration of translated data by a single administration utility.
- ❑ Fully extendable by SmarTeam partners and customers

Unified Help System

Enables users to use the same tools as SmarTeam Corporation does, to write customer or partner Help and error messages

SMARTEAM - MULTI-SITE

New features in SMARTEAM – Multi-site are targeted to ease on the administrator's work by simplifying processes involved in building up the system in preparation for database replication.

- ❑ Auto-recovery capability upon possible failure during secondary site configuration
- ❑ An integrated troubleshooting report upon installation of SMARTEAM – Multi-site
- ❑ GUI enhancements-accurate graphical representation of the system status in the DBSiteManager Replication Model Tree
- ❑ Supports RepliWeb 2.2.

SMARTTEAM – GATEWAY (GWY)

Supports IBM® WebSphere® Business Integration (WBI)

- WBI adapter is included (formerly known as CrossWorlds adapter), enabling connectivity to desired Enterprise applications through the various WBI “collaborations” available in the market through IBM Business Partners.
- Supports the newly introduced Part Behavior, including specific lifecycle operations for Parts

SMARTTEAM – WORKFLOW

New underlying logic to support **process termination**

- ❑ Allows users to end an irrelevant workflow process, without performing all tasks, therefore avoiding the burden caused by opened processes
- ❑ Termination is controlled by easily-defined business rules

SMARTTEAM – BOM (BOM)

SMARTTEAM – BOM (BOM)

Supports the newly introduced Part and Document Behavior.

- Document link specifications - enables users to specifically define the relations between Parts & Documents and the way they interrelate upon changes and promotion

SMARTTEAM – EDITOR

Part and Document behaviors

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Role

- ❑ **Definition of Role**, including assignment of **global organizational role** or **role** in a specific project
- ❑ **Role-based authorization**, in addition to the existing user and group based authorization.

SMARTTEAM – WEB EDITOR (WED)

New Platform Supported

- ❑ Web Server supports the latest Microsoft Windows Server 2003 with Internet Information Server (IIS) versions
- ❑ Web Server supports latest IBM WebSphere Application Server (WAS) and WebSphere Application Server – Express V5
- ❑ Client supports Mozilla Browser for AIX

Part and Document Behaviors Support

Based on experience gathered from numerous successful leading customer implementations, SMARTTEAM was enhanced to include **pre-defined behaviors** for Part and Document entities. SMARTTEAM – Web Editor features these enhancements in order to further streamline the business processes between the different types of SMARTTEAM users in the organization.

Examples of different lifecycle Behavior states include:

- ❑ **Part states:** Pending, Active, Inactive
- ❑ **Document states:** New, Checked In, Checked Out, Released, Obsolete

Utilizing these behaviors assures:

- ❑ Management of parts and documents according to a structured methodology
- ❑ Implementation of industries best practices
- ❑ Standardization

The Workflow Process Termination Mechanism

The Workflow Process Termination Mechanism simply and safely enables authorized flowchart users to terminate a current workflow process. This eliminates the problems caused by opened processes, which are no longer relevant or needed.

SMARTTEAM – NAVIGATOR (NVR)

New Platform Supported

- ❑ Web Server supports latest Microsoft Windows Server 2003 with Internet Information Server (IIS) version
- ❑ Web Server supports latest IBM WebSphere Application Server (WAS) version and WebSphere Application Server – Express V5
- ❑ Client supports latest version of Mozilla Browser for AIX

The Workflow Process Termination Mechanism

The Workflow Process Termination Mechanism simply and safely enables authorized flowchart users to terminate a current workflow process. This eliminates the problems caused by opened processes, which are no longer relevant or needed.

SMARTTEAM – COMMUNITY WORKSPACE (CMT)

New Platform Supported

- ❑ Web Server supports the latest Microsoft Windows Server 2003 with Internet Information Server (IIS)
- ❑ Web Server supports IBM WebSphere Application Server (WAS) version and WebSphere Application Server – Express V5

Part and Document Behaviors

Based on experience gathered from numerous successful leading customer implementations, SMARTTEAM was enhanced to include **pre-defined behaviors** for Part and Document entities. SMARTTEAM – Community Workspace features those enhancements in order to further streamline the business processes between the different types of SMARTTEAM users.

Examples of different lifecycle Behavior states include:

Part states: Pending, Active, Inactive

Document states: New, Checked In, Checked Out, Released, Obsolete

Utilizing these behaviors assures:

- ❑ Management of parts and documents according to a structured methodology
- ❑ Implementation of industries best practices
- ❑ Standardization

The Workflow Alert Mechanism

Enables flowchart supervisors to periodically check “past-due” processes and nodes, and send reminders to responsible parties

The Workflow Process Termination Mechanism

The Workflow Process Termination Mechanism simply and safely enables authorized flowchart users to terminate a current workflow process. This eliminates the problems caused by opened processes, which are no longer relevant or needed.

SMARTTEAM CAD INTEGRATIONS

Project Resource Management integration:

CATIA Project Resource Management (PRM) enables the user to define resources for given projects. This contributes to a tight integration with the AEC, Electrical and Structure application.

Automatic Connection:

The CATIA/DMU user can decide to be automatically connected to SMARTTEAM when launching CATIA.

Drawing tree integration:

The drawing tree displays the SMARTTEAM object status through dedicated icons

SMARTTEAM – SE Integration (SEI)

- ❑ Supports Solid Edge 14
- ❑ The SMARTTEAM – SE Integration is now LUM protected

SMARTTEAM – AC Integration (ACI)

- ❑ Supports AutoCAD 2004
- ❑ The SMARTTEAM – AC Integration is now LUM protected

SMARTTEAM – MD Integration (MDI)

- ❑ Supports MDT 2004
- ❑ The SMARTTEAM – MD Integration is now LUM protected

SMARTTEAM – IN Integration (INI)

Check-out on the fly

Full Part and Assembly Management, providing users with notifications on lifecycle status updates from within the Inventor workspace

- ❑ In cases where a user modifies a model, SMARTTEAM notifies you of its lifecycle status so that you perform the proper lifecycle operation (e.g. check-out), to ensure data integrity, and adhere to proper PDM methodology.
- ❑ Enabling **Collaborative Design** - allows users to work in a collaborative manner, i.e., a team of designers can work together on different parts of a large assembly while sharing files efficiently. The latest changes are deployed seamlessly in a “Shared Workspace” area, reducing the number of redundant revisions during design phase.

- ❑ Improvements of **access to SMARTEAM vaulted files** from within the Inventor user interface
- ❑ **Search improvements** - enabling full search capabilities from within the SMARTEAM “open” dialog box, such as “Search by attribute”, “Search by example” and pre-defined searches.
- ❑ **Thumbnail preview** - A thumbnail preview is available in the “open” dialog box upon selection of a SMARTEAM object.
- ❑ The SMARTEAM – IN Integration is now LUM protected

SMARTEAM – MI Integration (MII)

- ❑ The SMARTEAM – MI Integration is now LUM protected

SMARTEAM – P Integration (PEI)

Manage Manufacturing Entities

SMARTEAM – P Integration manages Pro/ENGINEER manufacturing objects, which support downstream deliverables such as Sheetmetal, Mold Cavity and NC Assembly. Users are able to perform lifecycle operations on these objects while maintaining design intent and the Pro/ENGINEER specific links. The Vault Server (embedded in SMARTEAM – Foundation) automatically creates and maintains the dependency links between these objects and Pro/ENGINEER parts and assemblies.

- ❑ Supports Pro/ENGINEER Wildfire