

# ClinBUS Connector™

TranSenda is now a part of BioClinica

## Transform operational data from disconnected study applications into Office-Smart information

ClinBUS Connector enables organizations to pull important operational data from third party clinical trial software, such as Electronic Data Capture (EDC), and make it available for use in TranSenda's Office-Smart solutions. Based upon TranSenda's ClinBUS™ data sharing technology, ClinBUS Connector allows software systems to share a set of pre-defined operational data with Office-Smart Clinical Trial Manager™ and Office-Smart Clinical Payment Manager™. ClinBUS Connector also makes data available through Microsoft SharePoint® Server and the Microsoft Office System. Opening key operational data to Microsoft's powerful SharePoint and Office Systems enables the transformation of process information into useful knowledge.

## Advanced Data Interchange Technology

ClinBUS is the data interchange technology foundation of ClinBUS Connector. ClinBUS uses a common data repository which resides on a server to improve and expand the exchange of operational and business process data between systems. Exchange of operational data is optimized to leverage Microsoft Office and SharePoint Server. Standardized ClinBUS data definitions make the data more valuable through well understood syntax and semantics—making insightful metadata from different software systems available to create dashboards, reports and even workflow across multiple studies.

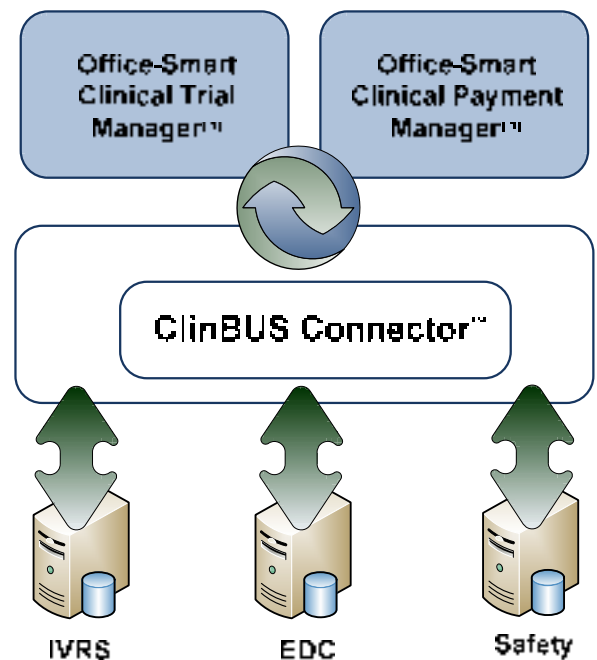
## Benefits

- ◆ Connecting 3rd party clinical software—such as EDC, IVRS and Safety systems—to TranSenda's Office-Smart solutions unlocks their operational information and enables organizations to transform it into valuable knowledge
- ◆ Eliminate re-entry of data to realize substantial efficiency gains
- ◆ Using ClinBUS Connector and its standardized data connections instead of custom development services reduces risks, costs and the complications of prolonged integration projects
- ◆ Significantly decrease or eliminate the need to pay for custom integration
- ◆ Standardizing operational data across all trials facilitates reusable data types and software components, centralized study management, persistent interoperability with the Microsoft Office System—and more

## Features

- ◆ ClinBUS Connector is a licensed product, not a professional services offering
- ◆ Includes Web service functionality to retrieve and update various records (e.g., Site, Study, Study Component, Study Component Visit, Subject, Subject Event, CRF Page and Serious Adverse Event, etc.)
- ◆ ClinBUS Connector can be used for multiple software systems
- ◆ TranSenda's ClinBUS-based data connection technology is compatible with CDISC ODM data types
- ◆ ClinBUS is optimized to leverage the Microsoft Office System
- ◆ Web services-based data interchange to facilitate integration with disparate systems—in many cases without vendor professional services

## Office-Smart Integration



## TECHNOLOGY OVERVIEW

### Web-Based Technology

Built with Microsoft's .NET technology, TranSenda's Office-Smart clinical trial solutions are web-enabled by design. Office-Smart clinical trial solutions are based upon Microsoft SharePoint Services and can also leverage the advanced features offered in Microsoft Office SharePoint Server 2007 (MOSS), an integrated suite of server capabilities that supports all intranet, extranet, and Web applications.

### Connectivity

TranSenda's patent-pending ClinBUS® data interchange technology enables the exchange and presentation of operational data from multiple systems to internal and external users in real-time. The unique ClinBUS approach to clinical system integration facilitates a family of data connectors for legacy and enterprise applications. Maximum interoperability is further enhanced by TranSenda's open standards architecture which supports XML-based conventions and industry standards, such as CDISC.

### The System

Most TranSenda solutions are powered by TranSenda Central—a system of integrated modules that share a process-based platform of common functionality. Integrated modular solutions form a flexible and expandable clinical trial system that can be readily modified with changing needs and regulations. In addition, the system supports 21 CFR Part 11 compliance.

### Hosting Services

For organizations with limited IT resources or desire to minimize infrastructure investment in order to simplify system management, TranSenda offers hosting services, including via Software-as-a-Service (SaaS).

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