

PLANVIEW OPENSUITE INTEROPERABILITY PLATFORM

Easily Integrate Planview Enterprise with Critical Systems Across Your Enterprise

According to Gartner, “Contemporary pressures are leading to an increased investment in data integration in all industries and geographic regions. Business drivers are forcing organizations to manage their data assets differently. Simplification of processes and the IT infrastructure are necessary to achieve transparency, and transparency requires a consistent and complete view of the data, which represents the performance and operation of the business.”

The Planview® OpenSuite™ Interoperability Platform helps you streamline operations and increase visibility into data across your enterprise. It delivers out-of-the-box connectivity between Planview Enterprise and 200+ enterprise applications and enables custom integrations with in-house developed systems. The Platform accelerates integrations and cuts risk, cost, and complexity from the integration process.

Accessing disparate data is a common challenge. The Planview OpenSuite Interoperability Platform provides a fast, easy, and affordable way to aggregate data from multiple information sources into core applications or data stores for in-depth business analysis. Ideal for both large-scale production systems and smaller, project-oriented data movement tasks, the Platform enables users to access virtually any data (including unstructured data), transform it, and then load it into operational data sources, data warehouses, data marts, or other target systems. With the Platform in place, you have a flexible solution that can automate any data movement task on an event-driven or regularly scheduled basis, improve data services, and integrate B2B gateways.

Let’s take a look at four scenarios using the Planview OpenSuite Interoperability Platform:

INTEGRATION SCENARIO 1: Real-Time Data Integration	INTEGRATION SCENARIO 2: Scalable ETL
<p>The Platform provides a set of easy-to-learn graphical tools that are ideal for rapid design and maintenance of transaction processes that move data from one format to another.</p> <ul style="list-style-type: none"> Integration of data from multiple applications and operational data stores A single tool set for managing nearly any data integration project Easy mapping interface shortens learning curves and reduces project cost Quick-hitting design environment ideal for tactical or project-based data migration and conversion jobs Ability to access and integrate structured data from ISAM databases, including unstructured data sources such as email and electronic reports Ability to handle the most complex transformation requirements without requiring a user exit to call external code Support for the design and packaging of multi-step processes for automated execution by the Integration Engine 	<p>The Platform enables you to quickly define and economically maintain automated Extract, Transform and Load (ETL) jobs that underpin production systems</p> <ul style="list-style-type: none"> Logging/rollback feature that allows rollback in the event a process ends unexpectedly “Upsert” capabilities that speed efficiencies when inserting/updating data during high-speed operations Multi-threaded Integration Engines for scaling large data loads across multiple CPUs within narrow timeframes Distributed integration option that allows integration processes to reside at the points of integration, thereby creating a scalable and flexible integration infrastructure Complete rules definition for complex data aggregation and transformation, including updates to multiple targets in one pass Connectivity to all major enterprise databases and bulk loaders Integration of data from legacy systems MCF plug-ins and DMS connectors to rapidly connect to virtually any other on-demand or on-premise application

Planview OpenSuite

Planview® OpenSuite™ delivers out-of-the-box interoperability between the portfolio management benefits of Planview Enterprise® and the technology solutions you rely on every day. Now, you can easily share data in disparate systems to make the most informed decisions, while enabling those systems to do what they do best – manage IT service delivery, control the product development lifecycle, and ease collaboration and productivity.

Learn more at www.planview.com/OpenSuite.

Use the Planview OpenSuite Interoperability Platform to:

- Get out-of-the-box connectivity between Planview Enterprise and 200+ enterprise applications
- Ease custom integrations with in-house developed systems
- Accelerate integrations and cut risk, cost, and complexity from the integration process

INTEGRATION SCENARIO 3: Integrating B2B Gateways

The Platform fully supports the rapid design and maintenance of processes that translate electronic documents and manage their flow among information systems, including systems of trading partners.

- Sophisticated message processing that allows electronic documents to be quickly read, validated, and transformed according to the process design
- Master schema available for X12 EDI, EDIFACT, FIX, SWIFT, and others
- Rich connectivity to applications and databases, industry trade standards, and any XML format
- Popular messaging queue and file folder queue for real-time processing, as well as FTP queue "listening" for data arrival
- Process Designer enables message integration for continuous and scheduled document retrieval from file and FTP folders
- Document Schema Designer simplifies modification of standard schema to match requirements defined by trading partner agreements

INTEGRATION SCENARIO 4: SOA Data Services

As an extensible data service for message-driven ESB and SOA environments, the Platform enables you to quickly define and orchestrate message processing and routing between applications.

- Rich data connectivity enabling information flow between a wide range of enterprise applications, including connectors for SAP and other major ERP systems
- More than 200 connectors with options for multi-table and mass insert to a wide range of enterprise class applications and databases including Oracle, DB2, Sybase, and SQL Server
- Remote invocation of integration processes using Web services, JCA, Message-Driven Bean, and Java API standards
- Java component framework, providing developers with high extensibility
- Supports Websphere MQ Series, MSMQ, Progress Sonic and any JMS-compliant queue
- Real-time, event-driven, and continuous processing
- Distributed integration model that allows integration processes to reside at the points of integration, thereby creating a scalable and flexible integration infrastructure for use in ESB or SOA projects
- Validation of messages cycling between applications
- In-memory handling of data objects and messages enabling high-performance processing
- Web-based management console support using Integration Manager

By enabling easy integrations between Planview Enterprise and other key systems, the Planview OpenSuite Interoperability Platform represents the next phase of the Planview approach to integration. With its out-of-the-box connectivity, you can leverage information in your critical, disparate systems to make informed decisions without dedicating scarce technical resources to the often arduous task of integration. Additionally, the Platform saves and stores all design metadata in an open XML-based design repository, supporting your need for value by allowing for fast and easy interchange and reuse of integration design elements across the organization.



For more than 20 years, Planview has been advancing the discipline of portfolio management, helping our customers change the way they manage people and money to make better business decisions. With a singular focus on portfolio management, Planview is the only company that combines customer-driven software, unmatched domain expertise, and proven best practices to solve each customer's unique business problems. For more information, visit www.planview.com.

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PLANVIEW OPENSUITE INTEROPERABILITY PLATFORM OVERVIEW

PROCESS DESIGNER

- Graphical process flow design environment
- Drag-and-drop creation of complex, multi-step workflows
- Initiation and interaction with external applications and business processes
- Streamlined component configuration with properties grid
- Support for Message Component Framework
- Provides a structured portfolio management framework to manage projects and resources
- Supplies dashboards and analytics for tracking, analyzing, and measuring project performance
- Automates time and billing and delivers time and expense reporting

MAP DESIGNER

- Drag-and-drop graphical user interface for mapping and transformations
- Wizards for easier field mapping
- Immediate testing and debugging of transformations
- Event-driven transformation model that gives flexibility for handling any transformation requirement
- Rich facilities for error-logging, record reject, transformation, and execution flow control
- Mapping and transformation of multi-record type data
- Access to data—including XML and text—over HTTP/HTTPS, TCP, and FTP
- Reusable, component-based integration design

SCHEMA DESIGNER

- Ability to capture and define schema from a wide variety of sources: standard database schema, unstructured data sets, electronic messages (standards-based messages such as EDI or SWIFT), online reports, email, or other unstructured documents
- Creation of schema definitions for binary formats, COBOL structures and other legacy file formats

INTEGRATION REPOSITORY

- Repository Manager for creating deployment packages, generating documentation, performing basic impact analysis, and search and replace functionality
- Open XML-based repository for storing design metadata with ability to check in/out of a source code control system

METADATA STUDIO

- Optional Metadata Studio for lineage, impact analysis, reporting and reusability

MESSAGE HANDLING

- Plug-ins are provided for email, JDBC store procedures, dynamic mapping, and more
- Framework for adding message component plug-ins built in Java
- Ability to connect to new message-based queues
- Components automatically recognized by Process Designer for reuse

RAPID INTEGRATION FLOW LANGUAGE (RIFL)

- More than 200 pre-built functions with wizards to aid expression building for transforming data
- RiFL availability throughout development environment for complete control of integration process
- Name and address parsing and scrubbing, along with table-driven address cleansing

ADAPTERS

- More than 200 direct data connectors for introspection and integration of most data sources and targets
- Healthcare connectors include HIPAA, HL7, MLLP, HCFA 1500 and UB-92
- Salesforce, Oracle CRM On Demand, Microsoft Dynamics, Sage CRM SalesLogix, NetSuite, RightNOW connectors
- EDI connectors: EDI, EDIFACT and TRADACOM
- SAP BAPI, RFC, IDoc support

INTEGRATION SERVICES/AUTOMATION

- SMP support for scaling large data load processing across multiple CPUs
- Data as a service
- Command line interface and Java, COM, and C APIs
- Small footprint – readily embeddable in third-party applications
- Invocation and deployment of integration processes using Web services standards, including SOAP and WSDL
- Direct integration of applications using the provided JCA Resource Adapter, Message Driven Beans, Java, or C APIs