



PLATFORM SERVICES

PROLIANCE® PLATFORM SERVICES CREATES A TECHNOLOGY FOUNDATION THAT JOINS ALL PROLIANCE APPLICATIONS TOGETHER, PROVIDING COMPREHENSIVE VIEWS INTO AN ORGANIZATION'S PROJECTS AND PROGRAMS. PLATFORM SERVICES AUTOMATES ALL BUDGETING, PLANNING AND BUILDING PROCESSES TO STREAMLINE THE ENTIRE PROJECT AND PROGRAM LIFECYCLE. RATHER THAN SINGLE-POINT APPLICATIONS THAT OPERATE INDEPENDENTLY, PLATFORM SERVICES UTILIZES WEB SERVICES AND XML TECHNOLOGY TO SEAMLESSLY INTEGRATE PROLIANCE DATA WITH OTHER CRITICAL BUSINESS SYSTEMS.



PLATFORM VS. POINT SOLUTIONS

By consolidating point solutions through a foundational technology layer, users can access and integrate business intelligence housed in multiple applications. Integrating functionality from point solutions provides greater benefits and lowers the total cost of ownership.

Platform Services delivers unlimited scalability as companies add new users, geographies and lines of business.

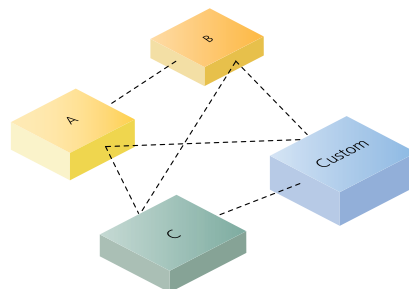
WORKFLOW

Platform Services includes a powerful workflow engine that automates business processes across an organization. Configurable and template-driven workflow concepts are applied across every document to create a powerful system that includes automatic distribution, audit trails on every document and a personal

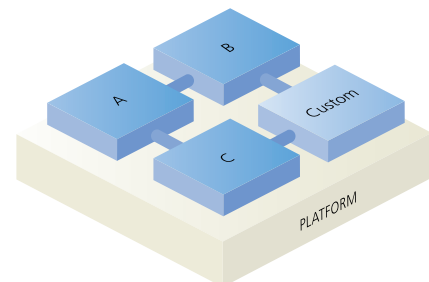
message center that will track all incoming and outgoing notices.

- › *Configured workflow, ad-hoc workflow, and ad hoc distribution:* Enables organizations to configure every document to follow best practices, while also providing the freedom to process selected documents according to individual needs and preferences.
- › *Document Template-Driven Workflows:* Easy templates provide unlimited flexibility in document handling. Each template can follow its own unique workflow configurations, allowing different categories of the same document type (e.g. RFI) to follow a specific routing path.
- › *Workflow on Structured Data and Unstructured Files:* Organizations can route structured information,

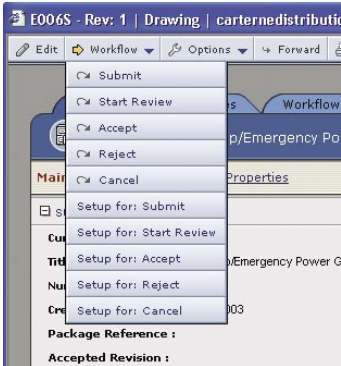
PLATFORM SERVICES PROVIDE A NEXT-GENERATION TECHNOLOGY PLATFORM THAT SUPPORTS MODULAR APPLICATIONS, REPLACING "POINT SOFTWARE SOLUTIONS" THAT REQUIRE EXPENSIVE AND DIFFICULT INTEGRATION.



Before



After



ONCE YOU OPEN ANY PROLIANCE DOCUMENT, YOU CAN SELECT THE WORKFLOW BUTTON WHICH PRESENTS A LIST OF ACTION CHOICES.



ONCE AN ACTION IS SELECTED, YOU CAN EXECUTE THE WORKFLOW STEP AND DISTRIBUTE THE DOCUMENT AT THE SAME TIME.

like contracts and change orders, as well as unstructured files such as photos, CAD files, PDFs, and more.

- › Centrally managed sent and received notices: Users can centrally manage and view every sent, received and archived notice for their projects.

MY NOTICES REGISTER

The Proliance Workflow Engine generates a notice for every document that requires action. Each notice identifies who sent the document, expected actions, any custom messages and due dates. The My Notices register gathers notices for each individual user, creating a summary of all documents that need processing, due date identification and marking those documents that require urgent handling. My Notices creates instant efficiency because each user knows what action generated a notice, what approval stage it is in, who else has received the notice, why a notice has been sent and what steps are necessary to keep it moving.

MESSAGING COLLABORATION

Every document in Proliance has a unique URL that can be sent as an embedded link within an email. This provides a powerful and easy way for vendors, contractors, consultants, etc. to collaborate on projects. All they have to

do is click on the link in the email to go directly to the Proliance XML document (i.e. an RFI, an invoice or a schedule). This eliminates confusion by providing direct access to documents and identifying specific action items.

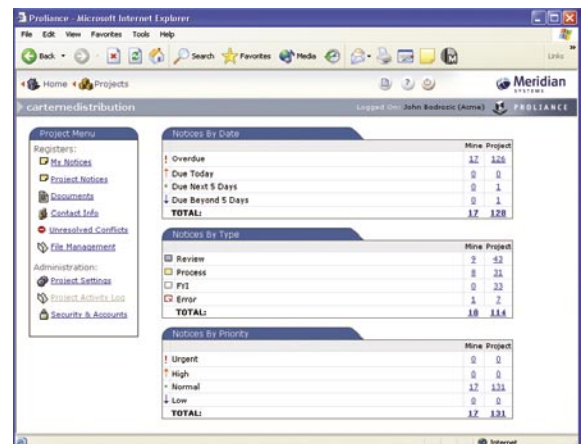
APPLICATION SECURITY

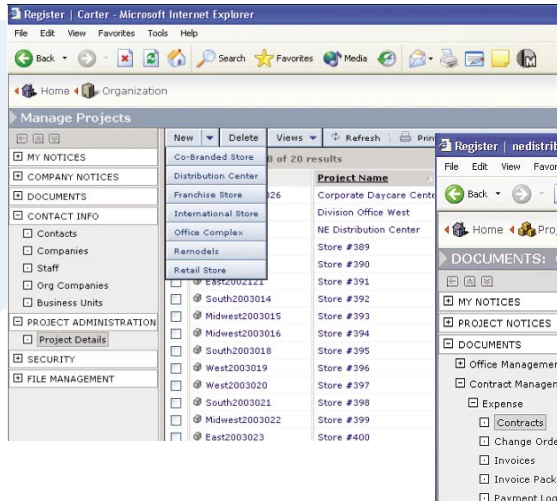
Role-Based Security is tightly integrated with all document types and the Workflow Engine. Managers can define as many roles as needed with different permission settings including create, read, update and delete. Roles can be assigned to a document at each state of its lifecycle. For example, an organization may allow only certain staff roles to process a document to the approved status. The Proliance solution ensures that appropriate management signoffs are included throughout the document lifecycle. A user's assigned license and roles work together to guide the user's experiences.

AUDIT LOG

Every Proliance document contains an Audit Log that shows all companies and individuals that have edited, forwarded, distributed or viewed a document. By providing an instant view of a document's history, companies can monitor

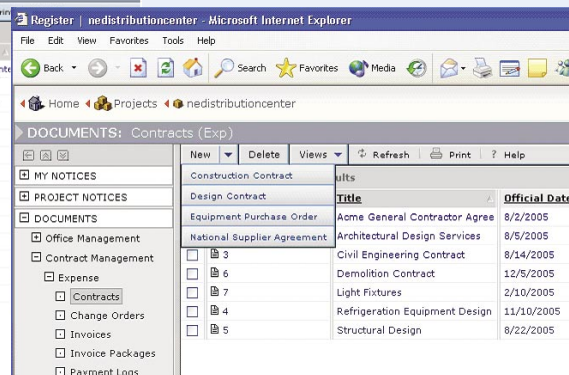
THE PROLIANCE NOTICES DASHBOARD LETS EACH INDIVIDUAL KNOW EXACTLY WHAT TO DO TO KEEP THINGS MOVING.





PROLIANCE CAN BE CONFIGURED TO MATCH YOUR ORGANIZATION'S PROJECT AND DOCUMENT TYPES. ONE SCREEN ILLUSTRATES HOW YOU CAN CREATE TEMPLATES FOR THE

DIFFERENT PROJECT TYPES YOUR ORGANIZATION MANAGES. THE OTHER SCREEN SHOWS HOW EACH DOCUMENT CAN BE CONFIGURED WITH DIFFERENT TEMPLATES. EACH DOCUMENT CAN BE CONFIGURED WITH DIFFERENT PROCESS AND WORKFLOWS, MATCHING YOUR COMPANY'S BEST PRACTICES.



progress, support positions and defend against claims with less effort.

PROGRAM MANAGEMENT

Projects with common configuration requirements and business purpose can be grouped together as a program. This program management capability creates efficiency by globally applying a common workflow, security model, and other profile traits across a program. For example, all projects under a program can share a common list of document templates, security roles, cost categories, shared views, as well as custom print layouts and workflow. Changes to these configuration items are immediately applied and visible to all projects within the program.

TEMPLATE PROJECTS AND PROGRAMS

A template project or program serves as an established reference from which other projects and programs are created. Using templates saves time and ensures best practices when configuring or establishing projects or programs with similar requirements and profiles. For example, template projects can contain various project data, such as cost accounts, which automatically populate into any new project derived from the template.

VIEWS MANAGEMENT

A powerful Views Engine lets users easily configure the columns they want to see when viewing

multiple records. Users can also create multiple views and queries to drill down into the specific details needed.

DYNAMIC REPORTING

The Views Engine combines reporting functions to instantly create dynamic spreadsheet-style reports. Users can turn every view, with its selected columns and filters, into an exact report viewable in multiple formats, including Adobe® PDF. Proliance Program Management functionality gets a boost from flexible reporting registers, which tracks all major document types for a specific project, and all projects within a program. Program reporting registers improve corporate visibility by providing cross-project reporting capability within an individual program.

MICROSOFT® OFFICE 2003 INTEGRATION

By leveraging XML technology, any Proliance document can be integrated directly into Office 2003, minimizing training and support costs required for a dedicated reporting or forms application. The Proliance Custom Print Layout feature uses this integration capability so organizations can easily combine back-office operational data with industry-standard desktop applications. Custom Print Layouts enable quick creation of layout templates using Microsoft Word or Microsoft Excel, then replaces XML tags with actual project data from Proliance.

FILE MANAGEMENT

- [-] Catalog Cards
 - [-] Files
 - [-] Permits
 - [-] Photos
 - [-] Reports
 - [-] Sketches

FILE MANAGEMENT LETS YOU EASILY MANAGE ALL DOCUMENT TYPES BY CREATING YOUR OWN STRUCTURE OF CATALOG CARDS.

CROSS LINKING

Every document in Proliance has the ability to be linked to one or many other document types. Platform Services provides cross-linking capabilities for every business application and document in the entire system.

LOOKUP MANAGEMENT

Manage data consistency, and easily enter data across your organization by managing drop down lists with common values. Consistent Lookup Management becomes important across a large organization to ensure common data points and for grouping and sorting in reporting analysis.

REGIONALIZATION

Platform Services incorporates cultural and regional preference capabilities, giving organizations the ability to specify formats for numbers, currency and dates, as well as modify field labels for all projects in a program, or even across an entire organization.

BUILT FOR INTEGRATION

Platform Services uses XML and Web services to allow applications written in different languages and built on different platforms to communicate and share data via the internet. This architecture remains open to sending and receiving XML data from other enterprise systems, including financial, document management and enterprise application integration software. The Proliance Integration Gateway documents all Web services, web methods, and XML schemas to facilitate integration.

FILE MANAGEMENT

A file management system handles non-XML documents with the same ease as structured XML documents. This system allows file sharing, workflow processing and audit trail tracking of documents including spreadsheets, PDFs, Word documents, drawings or other file types.

Platform Services creates an innovative XML catalog card with a link to the actual file for each document. Catalog cards can be routed through the Workflow Engine, with each project having its own folder structure.

VENDOR MANAGEMENT

To easily manage client and partner information, Platform Services tracks related attributes and documents at the organizational level. This Vendor Management capability allows company-wide knowledge sharing that can avert vendor problems. For example, prevent new contracts from being awarded to a vendor currently in conflict on another project.

Number	Project Number	Project Name	Contract Number	Scope Of Work
12	US20030144	Heinz Corporate Headquarters	004	Mechanical and Electrical
11	US20030103	Wastewater Treatment Plant	002	Power Distribution
10	US20030091	Hudson Street Light Rail	015	Electrical and Controls
9	US20030081	MIT Science Building	008	Electrical, Controls, Telecom
8	US20020354	Atlas Distribution Center	017	Electrical and Telecom
7	US20020312	Airport Control Tower	018	Power Distribution
6	US20020228	Library Refurbishment	020	Mechanical and Electrical
5	US20020204	Mills Shopping Mall	004	Electrical
4	US20020183	Boston Aquarium	017	Electrical and Controls
3	US20020099	ConEd Substation	009	Power Distribution
2	US20020044	Summit Towers	003	Mechanical and Electrical
1	US20010156	Middlebrook Junior High	012	Electrical

THIS SCREEN ILLUSTRATES HOW TO MAINTAIN AN ACCURATE CONTRACT HISTORY FOR EVERY PROJECT THAT A VENDOR HAS WORKED ON.



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