

High Performance Interface (HPI) for Alfresco



Available free as Open Source!

Provides a configurable and simplified interface to Alfresco for searching and viewing content.

Overview

- Available free as open source (visit www.tsgrp.com for details)
- Improved user and system performance
- Quickly search and view content
- Easily adaptable to unique business processes and changing requirements
- CMIS compliant

Case Study Summary

- Insurance company converted from paper-based processes to fully electronic processes with HPI.
 - Configuration-based architecture allowed five departments with different interface requirements and object models to utilize the same instance of HPI
 - Client administrator was able to easily take over application configuration for changing department requirements
- Global shipping company used HPI for fast search and retrieval of documents tailored to their unique searching needs.

Typically, Enterprise Content Management (ECM) systems provide a “one-stop shop” interface for authors and approvers; however, for the general consumer, this interface can be cumbersome and overwhelming. These users often get lost in functionality making it difficult to quickly find what they are looking for. TSG has addressed this common interface issue by developing an intuitive streamlined search interface for the consumers, HPI.

Available free as Open Source, HPI provides a powerful, yet easily configurable and clean interface to Alfresco for searching and viewing documents and metadata. HPI was built to leverage an easy-to-use web service layer, providing uniform communication with different content management systems. These CMIS-compliant web services decouple the source repository and web interface, enabling business logic isolation, easier upgrades, and even ECM swap-out.

Key Features

- **User Interface Flexibility** – HPI allows for configuration of views, documents, departments, search criteria, search results columns, and other common interface components.
- **Minimized Upgrade Impact** – HPI’s use of web services isolates the application from upgrade impacts, thus reducing upgrade costs.
- **High User Productivity** – Less user training, fewer user errors, and improved output capacity with intuitive, streamlined interface.
- **Open Source Model** – If some unique business process requires customization outside of the configuration available, HPI is available as Open Source to allow clients to customize the code.
- **CMIS Compliant** – Content Management Interoperability Services (CMIS) is a standard for communication that allows applications to work with different types of Content Management repositories and systems.

More Information

- View HPI product demonstrations at: www.tsgroup.com/LearningZone
- HPI Product Download and Documentation: www.tsgroup.com/Download

About TSG

TSG has a long history of providing innovative solutions and implementing complex content management applications for our clients.

TSG also offers a suite of Open Source products to help our clients easily manage and update their ECM needs. TSG's products include the following:

- **OpenInterchange** to process and import emails and folders into a content management system
- **OpenMigrate** to efficiently copy documents and metadata from source to target
- **Active Wizard** to provide dynamic forms and workflow
- **OpenOverlay** to facilitate overlaying PDF documents
- **OpenContent** to supply web services across applications

For more information on TSG and our Open Source products, please visit our solutions page at our website, www.tsgroup.com, or email us at hpi@tsgroup.com.

HPI Components

The following components comprise the HPI for Alfresco application:

- **Configurable Search and Retrieval** – gives users the ability to specify search criteria for certain document types, functions, departments, folders, or full-text. Users can also specify search result columns with the ability to sort by any column or export search results to Excel.

The screenshot shows two panels. The left panel is titled 'Search Criteria' and is divided into 'Folder Criteria' and 'Document Criteria'. The 'Folder Criteria' section includes fields for Year, Vendor Name (set to 'MB Real Estate'), Vendor Contact, PO Number, Vendor Number, PO Date (with a 'Before' dropdown), PO Amount, and Internal Contact. The 'Document Criteria' section includes fields for Source, Invoice Number, Invoice Date (with a 'Before' dropdown), and Invoice Amount. The right panel is titled 'Search Results' and shows 'Retrieved 3 folder results.' It includes a table with columns: Object Name, PO Number, Vendor Number, PO Date, PO Amount, Internal Contact, and Vendor Contact. The table contains three rows of data for '2006-MB Real Estate', '2006-MB Real Estate', and '2009-MB Real Estate'. Navigation controls like '<< first < prev 1 next > last >>' are visible above and below the table.

- **HPI Admin** – HPI has an Administrator interface that will walk an administrator through the process of configuring the system without ever having to touch the underlying XML configuration files. This interface can also be used to quickly and easily regenerate a new configuration file if the business requires the update of metadata labels, department names, picklist values, etc.

The screenshot shows the 'HPI Administrator' main menu. It has a blue header with the title 'alfresco Application Configuration'. Below the header are several menu items: 'General Configuration' (with a sub-link 'Edit General Configuration'), 'Global Type Configuration' (with a sub-link 'Add New Global Type'), 'Repository Configuration' (with a sub-link 'Add New Repository'), and 'Picklist Configuration' (with a sub-link 'Add New Picklist'). At the bottom, there is a 'Commit All Changes' button.

The screenshot shows the 'HPI Administrator' 'General Configuration' page. It has a blue header with the title 'General Configuration'. The page is divided into several sections: 'Header Configuration' (with checkboxes for 'Show Search Link in Header', 'Show Dashboard Link in Header', and 'Show New Folder Link in Header'), 'Trac Configuration' (with fields for 'Trac bean name' and 'Trac attribute name'), 'Allowable Stream Content Types' (with a list of types like 'pdf', 'doc', 'html', etc.), 'Base Types' (with dropdowns for 'Base Object Type', 'Base Document Type', 'Base Folder Type', and 'Base Note Type'), 'Group Configuration' (with fields for 'Name Prefix', 'Trac Prefix', 'Write Suffix', and 'read Suffix'), and 'OpenInterchange Configuration' (with a field for 'EmailAttachmentRelationships'). There are 'Save' and 'Cancel' buttons at the bottom.