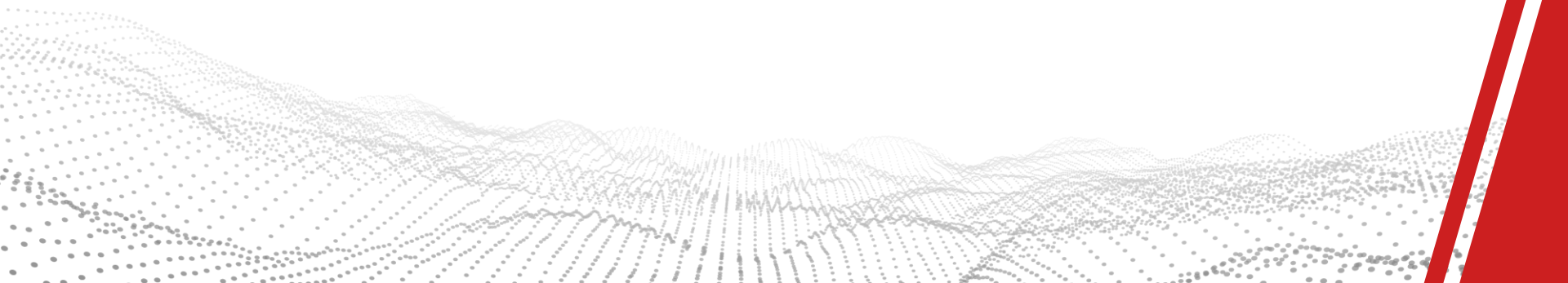




handshake

The Extensible Search Connector





Solution Description

Handshake is a Search Connector software platform that can be deployed and extended to meet your needs. Handshake centralizes and standardizes the development, deployment, and management of the connections that publish Nuxeo content to any search platform of choice. Boasting rich API and development frameworks, a centralized Administration application, and 10 prebuilt search targets (including Coveo, Google Cloud Search, Amazon Kendra, Elasticsearch, and more!), Handshake is an extensible and reliable option to synchronize Nuxeo with your search engine. Handshake administers content, metadata, and permissions pipelines between source (Nuxeo) to multiple targets, with flexible transformations easily insertable through the UI.

The platform can be deployed on a secure Virtual Machine or through orchestrated K8 or Docker deployment. Once deployed, connector pipelines are managed through a web-based administration UI. The Nuxeo source interface utilizes the powerful NxQL to define content streams, with no limit to the number of pipelines triggered off distinct queries. Each connector pipeline is scheduled as full or incremental traversals at separate CRON intervals, allowing you full control over what, when, and how content is mapped to your search.

Key Features

Unified Connection

- **Monitor** key metrics and connector stats
- **Control** many connectors from one application
- **Library** of supported source and target profiles, and transformation classes

Centralized Management

- **Flex** deployments, easy to start and stop, or modify once deployed
- **Scale** with no maximum of connectors
- **API** standardizes connector commands and allows for automation
- **Secure** data transfer and transient storage

Pluggable

- **Pipeline** data from multiple sources to multiple targets
- **Transform** content in transit
- **Control Access** with standard identity managers and content metadata

Rapid Deployment

- **Standardize** content in flight for reuse and seamless indexing
- **Modularize** with easy to reuse profile configurations
- **Connect** to any of the supported sources and send to your search engine



Value Proposition

Supported

Our Search experts will support you in extending the product to meet your needs and maintain connection

Centralized

Most other connectors are implemented as one off applications; Perficient Connectors are managed through a central UI and scale to match use case, performance, and security requirements

Extensible

Cleans, normalizes, and preps content and metadata before indexing to each connector's specifications. Structures and builds metadata to maximize searchability



Connector Portfolio

20+ connector templates drastically reduce time to implement.

Secure

Maintains access control on search items. Messages are never saved to disk in flight

Scalable

Connectors get your content where it needs to go, in near real time, boasting highly configurable routing, external look ups, and transformations



Component Architecture

Content is read and transferred to Target(s) in batches

Number of transforms and targets are dynamic and subject to filter conditions

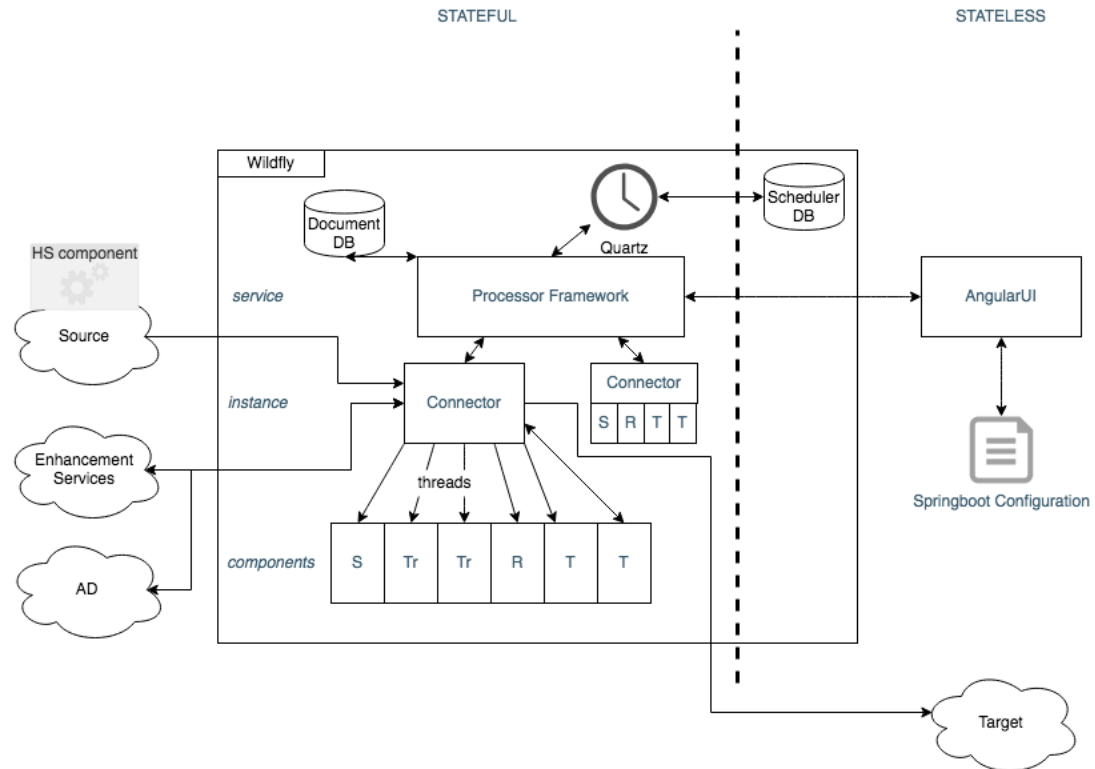
Legend:

S = Source

Tr = Transform

R = Routing

T = Target



Screenshot – Add A Connector

The screenshot displays the 'handshake by Perficient' interface. The main area is titled 'Connector List' and features a 'Filter' input field, a refresh icon, and an 'Add Connector' button. A modal dialog box titled 'Add Connector' is open, showing the following fields:

- Connector Name: Nuxeo Connector
- Source: Nuxeo Source

A dropdown menu is open below the Source field, listing the following options:

- Azure Cognitive Search
- Coveo
- Database
- Elasticsearch
- Filesystem
- Google Cloud Search

The 'Elasticsearch' option is currently selected, with a mouse cursor hovering over it.

Screenshot - Nuxeo Source Configuration

The screenshot displays the 'Nuxeo Test' configuration page in the 'handshake by Perficient' application. The interface is divided into several sections:

- Header:** 'handshake by Perficient' logo and a share icon.
- Navigation:** A left sidebar with icons for home, list, menu, and settings.
- Connector List:** A breadcrumb 'Connector List' and the title 'Nuxeo Test'. Action buttons include 'Run Now', a 'Disabled' toggle switch, and 'Delete Connector'.
- Source Configuration:**
 - Source:** A list with 'Nuxeo Source' selected.
 - Transformations:** A section with '+ Add' and two items: 'Metadata Create Transformer' and 'Case Transformer'.
 - Targets:** A section with '+ Add' and two items: 'Coveo' and 'Google Cloud Search'.
- Configuration Panel:** A code editor titled 'Configuration ?' with 'Validate', 'Save', and 'Menu' actions. It contains the following JSON configuration:

```
1 {  
2   "nuxeoUrl": "https://nuxeo.com/nuxeo",  
3   "username": "Administrator",  
4   "password": "*****",  
5   "nuxeoQuery": "SELECT * FROM Document WHERE ecm:isTrashed = 0 AND ecm:mixinType != 'Hid",  
6   "pageSize": "20",  
7   "sortBy": "dc:modified",  
8   "sortOrder": "ASC"  
9 }
```

Screenshot - Nuxeo Scheduler UI - Running

handshake by Perficient

Nuxeo Test

Enabled

ID: 9c902c37-42c3-4d78-a511-8ae97b3aee5d

Source: Nuxeo Source
Targets: Coveo
Google Cloud Search

Last: 01/22/2021 8:28 AM (l)
Next: 01/22/2021 8:00 PM (l)

Schedule

+ Add Traversal

Name	Type	Last Run	Next Run	Cron	Status	Actions
Incremental	Incremental	01/22/2021 8:28 AM	01/22/2021 8:00 PM	0 0 1 1/1 * ? *	Running	▶ ✎ 🗑
Full	Full	01/18/2021 5:45 PM	01/22/2021 8:28 AM	0 * * * * ? *	Running	▶ ✎ 🗑

Screenshot - Nuxeo Scheduler UI - Stopped

The screenshot displays the Nuxeo Scheduler interface. At the top, the 'handshake by Percipient' logo is visible. The main content area shows a job named 'Nuxeo Test' with a status of 'Stopped'. The job details include its ID, source, targets, and the last and next run times. Below the job details is a 'Schedule' section with a table listing individual schedule entries. The table has columns for Name, Type, Last Run, Next Run, Cron, Status, and Actions. Two entries are shown: 'Incremental' and 'Full', both with a 'Paused' status.

handshake by Percipient

Nuxeo Test

ID: 9c902c37-42c3-4d78-a511-8ae97b3aee5d

Source: Nuxeo Source
Targets: Coveo
Google Cloud Search

Last: 01/19/2021 8:03 PM (I)
Next: 01/20/2021 8:00 PM (I)

Disabled

Schedule

Name	Type	Last Run	Next Run	Cron	Status	Actions
Incremental	Incremental	01/19/2021 8:03 PM	01/20/2021 8:00 PM	0 0 1 1/1 * ? *	Paused	▶ ✎ 🗑️
Full	Full	01/18/2021 5:45 PM	01/19/2021 8:03 PM	0 * * * * ? *	Paused	▶ ✎ 🗑️