ConceptClassifier for SharePoint Platform Overview

The conceptClassifier for SharePoint platform supports all versions of SharePoint, OneDrive for Business, and Office 365. The platform is installed as a feature set comprising the following components.

Core Platform Components

ConceptClassifier
Both automated and manual classification is supported to one or more term sets within the Term Store and across content hubs.

ConceptTaxonomyManager
Is an advanced enterprise class, easy-to-use taxonomy and term set development and management tool. It integrates natively with the SharePoint Term Store, reading and writing in real time, ensuring that the taxonomy/term set definition is maintained in one place only – the SharePoint Term Store. Designed for use by Subject Matter Experts, the Term Store and/or taxonomy is easily developed and refined.

ConceptSearch Compound Term Indexing Engine
Licensed for the sole use of building and refining the taxonomy/term set, the engine provides automatic semantic metadata generation that extracts multi-word terms or concepts, together with keywords and acronyms.

SharePoint Feature Set
Provides SharePoint integration and an additional multi-value pick list browse taxonomy control, enabling users to combine free text and browse taxonomy searching.

Typical Recommended Base Configuration

- Windows 2008/2012 Server configured for 64 bit processing, with IIS and ASP.NET (v2) installed
- Any modern 64 bit CPU
- Windows 2003/2008/2012 x64 Edition
- 8GB RAM (recommended)
- .NET Framework V4.0/4.5
- Access to SQL Server (2005 or later) or Oracle (9i or later)
- IIS 6 with Metabase enabled
- High speed disk, RAID Array or SAN

One Farm
2 Front End Web Servers per License
1 ConceptClassifier Server

Additional Front End Web Servers (Optional)
Provides scalability to accommodate size of end user community.

Additional Classification Servers (Optional)
Provides scalability of classification to increase speed of classification throughput, especially when classification on the fly is an important requirement.

Supports

- All versions of SharePoint
- On-premises, cloud, or hybrid environments
- OneDrive for Business
- Office 365 via ConceptClassifier for Office 365

Technology

The product is based on an open architecture, with all APIs based on XML and Web Services. Transparent access to system internals including the statistical profile of terms is standard.

Workflow in ConceptClassifier for SharePoint

The following diagram depicts the workflow process using ConceptClassifier for SharePoint.

Optional Platform Components

ConceptSQL

Provides a facility to define a document structure based on information held in a Microsoft SQL Server or Oracle database. The document can include any number of text and metadata fields and can span multiple tables if required. ConceptSQL supports SQL 2005, SQL 2008, and SQL 2012. A powerful but easy to use configuration tool is supplied without the need for any programming. Templates are provided for out-of-the-box support for Documentum, Hummingbird and Worksite/Interwoven DMS.
conceptTaxonomyWorkflow
Can perform an action on a document following a classification decision when the criteria are met. The workflow source type works in all versions of SharePoint, as well as all document types, including FILE document types and HTTP document types. This product is available in SharePoint and non-SharePoint environments and has a plugin architecture, enabling clients and integration partners to easily build plugins for both content sources and destination sources.

conceptSearch
Is a unique, language independent enterprise search engine technology. conceptSearch is delivered as an out-of-the-box enterprise search application that demonstrates a simple search interface and indexing facilities for internal content, websites, file systems and XML documents. Typically used where requirements for accurate and relevant search results are mandatory.

Content Enrichment Service for SharePoint 2013
Can be used with Microsoft Search for SharePoint to classify any document that is being indexed by this search engine. The product integrates with Microsoft Search via the web service callout service which is designed to allow custom processing of documents as they are indexed. The resulting classifications are stored directly in the Microsoft index and so will be available to participate in the SharePoint 2013 search refinement panel. This product does not build a conceptSearch index and so its disk usage is zero during classification operations.

conceptClassifier for OneDrive for Business
Provides governance, compliance, records management, and enterprise policy application, as well as collaboration and productivity enhancements. From an administrator perspective, conceptClassifier for OneDrive for Business provides management of all content in OneDrive folders.

Applications
Search Engine Integration
Functionality provided via the conceptClassifier for SharePoint platform to integrate with any search engine being used within SharePoint. The platform also supports integration with any non-SharePoint search engine.

Intelligent Document Classification
Functionality provided via the conceptClassifier for SharePoint platform, classifying documents based upon concepts not keywords.

Taxonomy Management and Term Store Integration
Functionality provided via the conceptClassifier for SharePoint platform. Integrates natively with the SharePoint Term Store and operates bi-synchronously in real time.

Migration
Based upon document classification provided via the conceptClassifier for SharePoint platform. The optional platform component conceptTaxonomyWorkflow is required to apply action on a document or to change a content type.

Records Management
Taxonomy, classification, and metadata generation are provided via the conceptClassifier for SharePoint platform. conceptTaxonomyWorkflow is required to route the records to the appropriate records management application or to change a content type.

Data Privacy
Taxonomy, classification, and metadata generation are provided via the conceptClassifier for SharePoint platform. conceptTaxonomyWorkflow is required to route the records to appropriate secure repositories or change a content type.

Text Analytics
Taxonomy, classification, and metadata generation are provided via the conceptClassifier for SharePoint platform. A third party Business Intelligence or reporting tool is required to view the data in the desired format, or can be developed in-house.

Social Networking and Collaboration
Taxonomy, classification, and metadata generation are provided via the conceptClassifier for SharePoint platform. Integration with social networking tools can be accomplished if the tools are available in .NET.