**Alfresco Training**

**Duration : 40 Hours(5 Days)**

**Product Description**

Alfresco Content Services Training focuses on the creation of Application using Enterprise Content Management (ECM) for content management.

The content in the application can be created anywhere and can be accessed from any location and the developers can easily work and integrate with any other business applications.

The Alfresco Content Services when generally combined with any of the platform’s extensive process, the content really works and the flow of the business works easily.

The Alfresco Training generally starts with the installation and performing some basic configuration using Alfresco.

Alfresco Content Service Training includes adding some content to the application, performing some decision-making capabilities, improving productivity and many other operations.

With the help of Alfresco Content Service, organization can easily work and can make secure their applications.

**Objectives**

* Custom content model Creation, Deployment and Building.
* Overview of each process of the content model.
* Deep discussion on the Constraints.
* Alfresco Share Customization
* Alfresco aikau
* Alfresco SDK
* Alfresco Repository
* Alfresco Web Scripts

**Advantages**

* Complete understanding of Enterprise Content Management System.
* Full Compatibility with Windows and Linux Operating Systems.

**Target Audience**

* Admin
* Web Developers

**Prerequisites**

* Developer – Having knowledge XML and JAVA.

Day 1

* Architecture and Technology
* Architecture review
* Start-up and connecting
* The Alfresco Share architecture
* Minimum configuration requirements
* Alfresco Subsystems
* Customization of Alfresco
* Basic Customization
* Advanced Customization
* Setting up the SDK in STS IDE
* Users and Groups
* Authentication
* How does Alfresco allow multiple authentication modes for a website and how it is used?
* Roles/Permission Groups
* Security and Permissions
* Managing permissions
* Repository Configuration
* Understand how repo configuration is done
* What types of things can be configured
* Best practices

Day 2

* Content Model Overview
* Relationships, types, aspects, associations
* Built in types and aspects
* Deploying a content model
* Creating Content Models
* Types and properties
* Deploying content models
* Associations, aspects and constraints
* User Interface Manifestation
* Handling content with Actions, Behaviours, Transformers and Extractor
* Alfresco API Development
* Foundation services API
* Web services API
* Separating concerns using AOP
* Extending the Alfresco Repository
* Repository actions
* Repository policies
* Content transformers
* Creation of documents, workflows and deployment
* Content Search
* Lucene search overview
* Lucene APIs and search examples for WCM, DM & RM
* Introduction to Web scripts
* Types of Web Scripts
* Components of a Web Script
* How Components Work Together
* User Interface Web scripts
* Web Scripts in Applications and Portals
* Web Scripts in Action
* Creating Web Scripts
* Defining a Web script
* Storing a web script
* Registering a Web Script
* Listing all Registered Web Scripts
* Invoking a Web Script
* Developing Java Backed web scripts

Day 3

• Part Four: Configuration and Layouts

* + Configuring Logging and Debug
  + Variable Substitutions in Models
  + Creating a User and Group Management Page
  + Form Dialogs
  + Widget Dialogs
  + Actions in Lists
  + Inline Editing Properties
  + Sorting and Pagination
  + Introducing Menus
  + Introducing Layout
  + Recap for User Management
  + Introducing Rendering Filters
  + More Form Controls
  + Document Previews
  + Document Details Page
  + Spring Surf architecture
  + Alfresco Share architecture
  + Site Presets, Themes, Pages, Components, etc.
  + Surf Widgets
  + Surf module extensions
  + Share Web scripts
  + Share configuration
  + Form processors
  + Form controls and field validation
  + Evaluators
  + Share customizations
  + Java script console

Alfresco Share Components Customization

* + Architecture and technology
  + Alfresco Share toolbar
  + User dashboard
  + js-console
  + geo-views
  + reset-password-dialog
  + media-viewers
  + share-oauth
  + wiki-rich-content
  + red-theme
  + content-expiration
  + create bulk users

Customisation

* + Theme customization
  + Form management
  + Dashlet extension and development
  + Customization of UI Controls
  + Configuring UI controls
  + How to Change default User Interface (UI) control behavior
  + How to Change the list of aspects a user can select
  + Display of a new custom type
  + Change of label alignment

Functionality Site management

* + Document libraries
  + Site and user dashboards
  + Site membership services

Day 4

**Working with the new Aikau framework in Alfresco Share**

* Setup
* Tools
* Getting the code
* File structure
* Running the examples
* Part One: Creating a page
  + Create the page
  + Where is the Share header and footer?
  + Adding a title next to the logo
  + Adding a layout
  + The built-in widgets
* Part Two: Introduction to widgets
  + YUI, Dojo and AMD
  + Creating a simple widget
  + Breaking down the widget code
  + Loading dependencies
  + Defining and declaring a widget
  + Beyond a "Hello world"
  + Templates, CSS, and I18N
  + Ajax
  + DOM helpers and modules
  + Bringing it all together
  + Inter-widget communication
  + A basic pub/sub example
* Part Three: Extending JSON models
  + Creating an extension
  + Adding a menu item to the header
  + Adding a link to the right of the title bar
  + Removing widgets
  + Troubleshooting Aikau

Day 5

Workflows

* + What is a workflow?
  + Options for implementing workflow in your apps
  + Roll your own
  + Standalone engines
  + Embedded workflow engines
  + Out-of-the-box workflow options in Alfresco
  + Basic workflows
  + Advanced workflows
  + Activiti Concepts
  + What is Activiti?
  + Why two advanced workflow engines?
  + BPMN 2.0
  + Process definitions
  + Setup
  + Tools
  + Project Organization
  + Hello World Examples
  + The helloWorld process
  + The helloWorldFork process
  + Deploying processes
  + Deploying the workflows with Spring
  + Using the workflow console
  + Configuring a workflow for Alfresco Share
  + Step 1: Define the helloWorldUI process
    - Tasks
    - Task Assignment
    - Add logic to the process definition
  + Step 2: Define a workflow-specific content model
    - Create the workflow content model XML
  + Step 3: Configure Alfresco Share
    - Edit share-config-custom.xml
    - Externalize the strings
    - Update the Spring configuration
    - Deploy & Test
  + Implementation summary
    - SomeCo Whitepaper submission example
    - Business requirements
    - High-level steps
    - Step 1: Implement the basic flow and workflow user interface
      * Diagram the process
      * Configure user tasks with assignments
      * Add decision logic
      * Workflow content model including Alfresco Share configuration
      * Deploy and test
    - Step 2: Implement web scripts and actions
      * Call the set-web-action on approved documents
      * Implement the external third-party review
      * Deploy and test
    - Step 3: Add a timer to the third-party task
      * Deploy and test

Use Cases

Typical uses cases may be Claim Management Systems in Insurance Industry, Record Management in Government or City Councils, Medical records in Hospitals, or Contracts/Invoicing Systems for companies in general for example.

- As Intranet for Employees documentation (paysheets, holidays validation, CV, certifications...).

- As Commercial Repository for Sales People.

- As Collaboration repositories for customers and suppliers.

- As Collaboration repositories for internal / development / research projects.