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KRYSTAL™ DMS

URL API

Documentation

Enterprise Edition

FIRST EDITION

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This edition applies to the licensed program **KRYSTAL™ DMS** Version 2.2 – Enterprise Edition and to all subsequent releases and modifications until otherwise indicated in new editions. Please make sure you are using the proper edition for the level of the product.

All the names in this manual are fictional and any resemblance to existing people or firms is purely coincidental. If you have any comments about the manual or the product, we would very much like to hear from you.

Please send your comments by e-mail to info@primeleaf.in or by fax to +91 2447 3373.

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Overview

This document aims to teach you how to install and use the **KRYSTAL™ DMS URL API**. You will learn how to generate URLs that can fetch the documents from **KRYSTAL™ DMS** Version 2.2 – Enterprise Edition via your JAVA based web applications.

The **KRYSTAL™ DMS URL API** is developed using JAVA technologies and available in a JAR format in a file named `dmsapis.jar`

Prerequisites

Requirements

You can create URLs which can directly fetch the documents from **KRYSTAL™ DMS** without user required to login to the DMS server. You can install these API files on any JAVA compatible systems without having to download or install any special programs.

All you need is a computer with JAVA Runtime environment.

The KRYSTAL™ DMS URL API requirements are

Operating System

Windows XP with Service Pack 2

Windows 2003 (Enterprise / Standard Edition)

Development Framework

JAVA

Web browsers

Microsoft Internet Explorer 6.0 or higher

Mozilla 1.4 or higher

Intended Audience

This document addresses to web programmers who want to integrate **KRYSTAL™ DMS Version 2.2 – Enterprise Edition** with their JAVA based intranet or internet applications.

Quick Install Guide

To install **KRYSTAL™ DMS** URL API follow the steps briefly presented below:

1. Copy the dmsapis.jar to your JAVA CLASSPATH

Using URL API

Creating URL is very simple and straightforward for a JAVA application developer.

To create the URLs that allows users to fetch documents with auto-login into **KRYSTAL™ DMS**, use following steps.

STEP 1: Add JAR File to CLASSPATH

Add dmsapis.jar to the WEB-INF/lib/ folder of your java based web project.

STEP 2: Import required Classes

Import the required classes to the application as given below

```
import com.primeleaf.dms.api.*;
```

STEP 3: Create Object

Create URLEncryptor Object as given below

```
URLEncryptionInterface encryptor =  
EncryptionDecryptionFactory.getInstance().getEncryptionAlgorithm  
("base");
```

STEP 4: Set URL Parameters

Set required URL parameters as given below:

```
String krystalUrl =  
"http://ipaddress:portno/servlet/ExternalApplicationControl  
ler?PARAMS=";  
encryptor.addNameAndValue("USERNAME", "ADMINISTRATOR");  
encryptor.addNameAndValue("PASSWORD", "admin");  
encryptor.addNameAndValue("DOMAIN", "DEFAULT");  
encryptor.addNameAndValue("PAGEID", "1");  
encryptor.addNameAndValue("className", "INVOICE");  
encryptor.addNameAndValue("operator_CUSTNAME", "3");  
encryptor.addNameAndValue("CUSTNAME", "T");
```

Following table provides details of each property

PARAMETER NAME	Description	Remarks
USERNAME	Valid KRYSTAL™ DMS username that automatically logged into the DMS server.	Mandatory
PASSWORD	Password of the valid KRYSTAL™ DMS user	Mandatory
DOMAIN	Name of the domain to which user belongs.	Mandatory
PAGEID	Page Id on which user will be redirected to 0=My Workspace 1=Filter panel or Document Class 2=Hits page 3=Document	Mandatory
className	Name of the document class from which documents to be retrieve.	Optional in case Page Id is "0"
operator_INDEXNAME	operator_INDEXNAME = operator for searching Operator values are as given below: IS = 1 , IS NOT =2 , LIKE = 3 , NOT LIKE =4, IS GREATER THAN = 5, IS LESSER THAN =6, BETWEEN =7 In case of BETWEEN operator you will require additional value to be passed for index as INDEXNAME_2 e.g. PONUM_2 along with other parameters	Optional
INDEXNAME	Value to be searched against.	Optional

STEP 5: GET the URL

Get the encrypted URL

```
String finalUrl = krystalUrl +
    encryptor.getEncodedString();
```

When user clicks on the generated URL then it will automatically login the user to **KRYSTAL™ DMS** and display a resultant hit list of all the matching documents from class name provided in while creating the URL.

Conclusions

This document is a great help to developers who wants to integrate **KRYSTAL™ DMS** with JAVA based web applications on internet as well as corporate intranet.

After having read it you will be able to integrate **KRYSTAL™ DMS** with your internet or intranet based web applications written using JAVA technologies. By following the steps provided in this document you can retrieve documents from **KRYSTAL™ DMS** without users needing to login to it.

Further Reading

For comprehensive information on all features of **KRYSTAL™ DMS**, we recommend reading **KRYSTAL™ DMS User Manual**.

In order to administer **KRYSTAL™ DMS** please refer to **KRYSTAL™ DMS Administrators Guide**.

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