



# ERP-Link iNet.DM 4.0 Administrator Guide

Title: *ERP-Link iNet.DM 4.0 Administrator Guide*

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# Contents

<b>1</b>	<b>Preface .....</b>	<b>6</b>
1.1	WHO SHOULD USE THIS GUIDE .....	6
<b>2</b>	<b>SharePoint Prerequisites .....</b>	<b>6</b>
<b>3</b>	<b>Installing iNet.DM .....</b>	<b>7</b>
3.1	CSOM DEPLOYMENTS (E.G. OFFICE 365 SHAREPOINT ONLINE) .....	7
3.1.1	<i>Deploying the iNet.DM SharePoint App into the SharePoint App Catalog.....</i>	<i>7</i>
3.2	INSTALLING INET.DM ON EITHER SHAREPOINT WFE (SSOM MODE) OR CLOUDGATE SERVER (CSOM MODE).....	8
3.2.1	<i>Installing the iNet.Runtime .....</i>	<i>8</i>
3.2.2	<i>Running the iNet.DM Installer Wizard.....</i>	<i>9</i>
3.2.3	<i>Enabling Anonymous Authentication.....</i>	<i>14</i>
3.2.4	<i>Deploying the ERP-Link Site Columns and List Template Feature for SharePoint 2010 and SharePoint 2013 SSOM Mode.....</i>	<i>16</i>
3.2.5	<i>Creating iNet.DM SharePoint Document Library (i.e. Repository).....</i>	<i>16</i>
<b>4</b>	<b>Configuring iNet.DM with the ERP-Link Administration Console .....</b>	<b>18</b>
4.1	SELECTING DEPLOYMENT MODE FOR CSOM OR SSOM .....	18
4.2	CONFIGURING THE INET.DM DOCUMENT LIBRARY REPOSITORY .....	20
4.3	ENABLING THE TRACKING DATABASE (OPTIONAL) .....	22
<b>5</b>	<b>Configuring SAP.....</b>	<b>23</b>
5.1	CREATING A NEW PROTOCOL (SAP T-CODE OAA3) .....	23
5.2	CREATING THE CONTENT REPOSITORY (SAP T-CODE OAC0).....	24
5.3	CREATING GLOBAL DOCUMENT TYPES (SAP T-CODE OAC2) .....	26
5.4	CREATING LINKS FOR CONTENT REPOSITORIES (SAP T-CODE OAC3) .....	27

<b>6</b>	<b>Basic Validation of iNet.DM Functionality.....</b>	<b>29</b>
6.1	SAP T-CODE OAAD (ARCHIVELINK: ADMINISTRATION OF STORED DOCUMENTS).....	29
6.2	INET.DM SERVICE VALIDATION THROUGH WEB BROWSER.....	31
<b>7</b>	<b>SharePoint Configuration File Entries.....</b>	<b>32</b>
7.1	WEB.CONFIG ENTRIES.....	32
7.2	CONTENTREPOSITORYCONFIG.XML ENTRIES.....	33
<b>8</b>	<b>FAQs.....</b>	<b>38</b>
8.1	HOW DO I DETERMINE THE INSTALLED VERSION OF INET.DM?.....	38
8.2	HOW DO I DETERMINE THE EXPIRATION DATE OF INET.DM?.....	40
8.3	HOW DO I CONFIGURE AN SAP CONTENT REPOSITORY FOR HTTPS? .....	40
8.4	HOW DO I CONFIGURE UNAUTHORIZED ACCESS SAFEGUARDS FOR INET.DM? .....	43
8.5	HOW DO I CONFIGURE STATIC METADATA FOR EACH DOCUMENT ARCHIVAL?.....	45

## List of Figures

FIGURE 3-1	ADD A DOCUMENT DIALOG BOX .....	7
FIGURE 3-2	APPS FOR SHAREPOINT PAGE .....	7
FIGURE 3-3	INSTALLING .NET.RUNTIME.MSI .....	9
FIGURE 3-3	CHOOSING RUN AS ADMINISTRATOR.....	9
FIGURE 3-4	MASTER AGREEMENT PANEL .....	10
FIGURE 3-5	WELCOME PANEL.....	10
FIGURE 3-6	LICENSE PANEL.....	11
FIGURE 3-7	IIS SETTINGS PANEL .....	11
FIGURE 3-8	IIS SETTINGS PANEL .....	12
FIGURE 3-9	DESTINATION FOLDER PANEL.....	13
FIGURE 3-10	READY TO INSTALL PANEL .....	13
FIGURE 3-11	COMPLETED PANEL.....	14
FIGURE 3-12	ERP-LINK INET SOFTWARE NODE.....	14
FIGURE 3-13	ENABLE AUTHENTICATION PANE.....	15
FIGURE 3-14	EDIT AUTHENTICATION PANE .....	15
FIGURE 3-15	ENABLE AUTHENTICATION PANE.....	15
FIGURE 3-17	ADD DOCUMENT LIBRARY DIALOG BOX .....	16
FIGURE 3-18	SITE CONTENTS PAGE.....	17
FIGURE 4-1	DEFINING A CONNECTION NAME.....	18
FIGURE 4-2	SELECTING MODE OF OPERATION .....	19
FIGURE 4-3	ADMINISTRATION CONSOLE.....	20

FIGURE 4-4 TRACKING ENABLED .....	22
FIGURE 5-1 SAP RIBBON.....	23
FIGURE 5-2 CREATE PROTOCOL BUTTON .....	23
FIGURE 5-3 CREATE NEW PROTOCOL DIALOG BOX.....	24
FIGURE 5-4 CHANGE CONTENT REPOSITORIES OVERVIEW .....	24
FIGURE 5-5 CONTENT REPOSITORY DETAILS .....	25
FIGURE 5-6 GLOBAL DOCUMENT TYPES .....	26
FIGURE 5-7 NEW ENTRIES SCREEN.....	26
FIGURE 5-8 GLOBAL DOCUMENT TYPES OVERVIEW .....	27
FIGURE 5-9 LINKS FOR CONTENT REPOSITORY DETAILS.....	27
FIGURE 5-10 NEW ENTRIES SCREEN.....	28
FIGURE 5-11 DISPLAY VIEW OF LINKS .....	28
FIGURE 6-1 ADMINISTRATION OF STORED DOCUMENTS SCREEN.....	29
FIGURE 6-2 STORE AND ASSIGN SCREEN .....	30
FIGURE 6-3 STORING FILES IN DOCUMENTS DIALOG BOX.....	30
FIGURE 8-1 DETERMINING THE INSTALLED VERSION.....	38
FIGURE 8-2 DETERMINING THE INSTALLED VERSION.....	39
FIGURE 8-3 DETERMINING THE INSTALLED VERSION.....	39
FIGURE 8-4 DISPLAY CONTENT REPOSITORY .....	40
FIGURE 8-5 CHANGING REPOSITORY DETAIL .....	42
FIGURE 8-6 CLEAR PORT NUMBER AND ENTER SSL PORT NUMBER .....	42
FIGURE 8-7 HTTPS MODES SWITCHED TO HTTPS REQUIRED .....	42
FIGURE 8-8 SELECT FOLDER PROPERTIES.....	43
FIGURE 8-9 SELECT FOLDER PROPERTIES.....	43
FIGURE 8-10 ENTER SECURITY PROFILE PATH .....	44
FIGURE 8-11 ENTER SECURITY PROFILE PATH .....	44
FIGURE 8-12 SENDING THE CERTIFICATE .....	45
FIGURE 8-13 ADD ADDITIONAL PROPERTY .....	46
FIGURE 8-14 MISC PANE .....	46
FIGURE 8-15 ADDITIONAL PROPERTY .....	47

# 1 Preface

Gimmel delivers market-leading content governance and compliant records solutions built on Microsoft® SharePoint®. Gimmel solutions drive user adoption and simplify information access by making information lifecycle management of content simple and transparent. This method ensures consistent, enterprise-wide compliance and proactive litigation readiness while lowering costs.

ERP-Link Suite for SharePoint and SAP brings the functionality and content owned by SAP to the SharePoint audience, and vice versa. With an ERP-Link enabled application, you can choose where you want your people to work: in SAP, in SharePoint, or both.

## 1.1 Who Should Use This Guide

The intended audience for this document consists of SharePoint Administrators. Administrators are considered to be SharePoint power users who are familiar with the enterprise's content management and retention policies. This guide contains detailed steps for the administration of ERP-Link iNet.DM product for SharePoint 2010, SharePoint 2013, and Office 365 SharePoint Online.

# 2 SharePoint Prerequisites

This Administration Guide assumes that you have the following items existing:

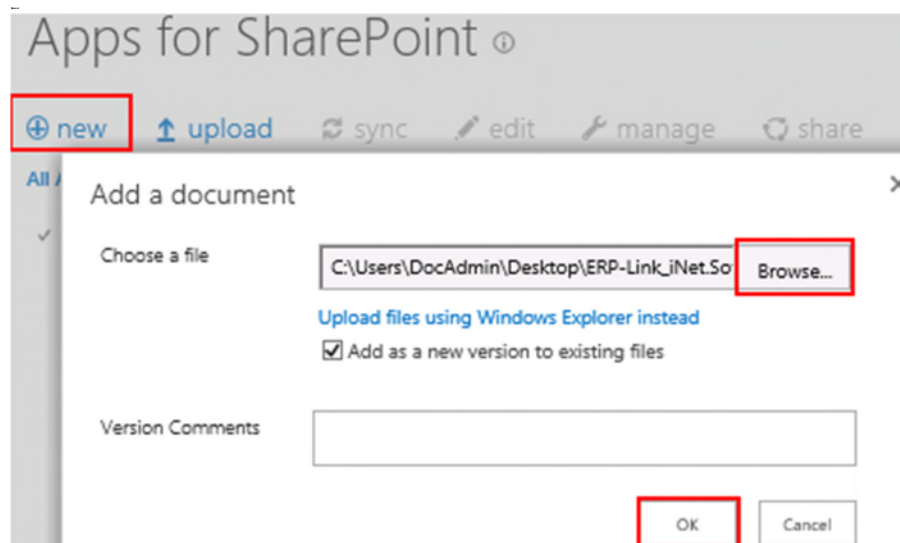
- SharePoint installed and functional (e.g. SharePoint 2010, SharePoint 2013, or Office 365 SharePoint Online)
- SharePoint Site Collection

## 3 Installing iNet.DM

### 3.1 CSOM Deployments (e.g. Office 365 SharePoint Online)

#### 3.1.1 Deploying the iNet.DM SharePoint App into the SharePoint App Catalog

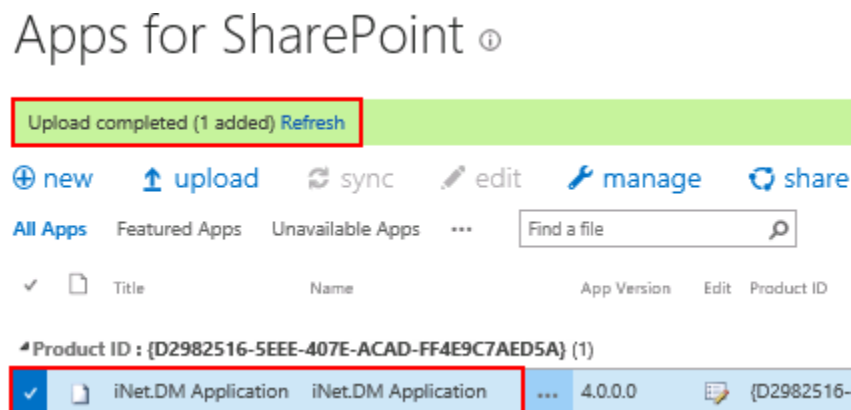
1. From Apps for SharePoint page, click **Upload**, then browse to the appropriate app file from the **Add a Document** dialog box.



**Figure 3-1 Add a Document Dialog Box**

2. Click **OK**.

The application displays in the Apps for SharePoint page.



**Figure 3-2 Apps for SharePoint Page**

3. Generate an App Identity with *appregnew.aspx*. This must be completed for each tenant using the app.
  - a. Go to [https://<your\\_sharepoint\\_site>/layouts/15/appregnew.aspx](https://<your_sharepoint_site>/layouts/15/appregnew.aspx).
  - b. On this page, either generate the appID/clientID or use an existing clientID. If using an existing clientID, verify that all the letters of the clientID are lowercase.
  - c. Define a client secret on this page.
  - d. Copy the client ID and client secret.

Your app now has a secret that the SharePoint server knows and that CloudGate clients must also know.

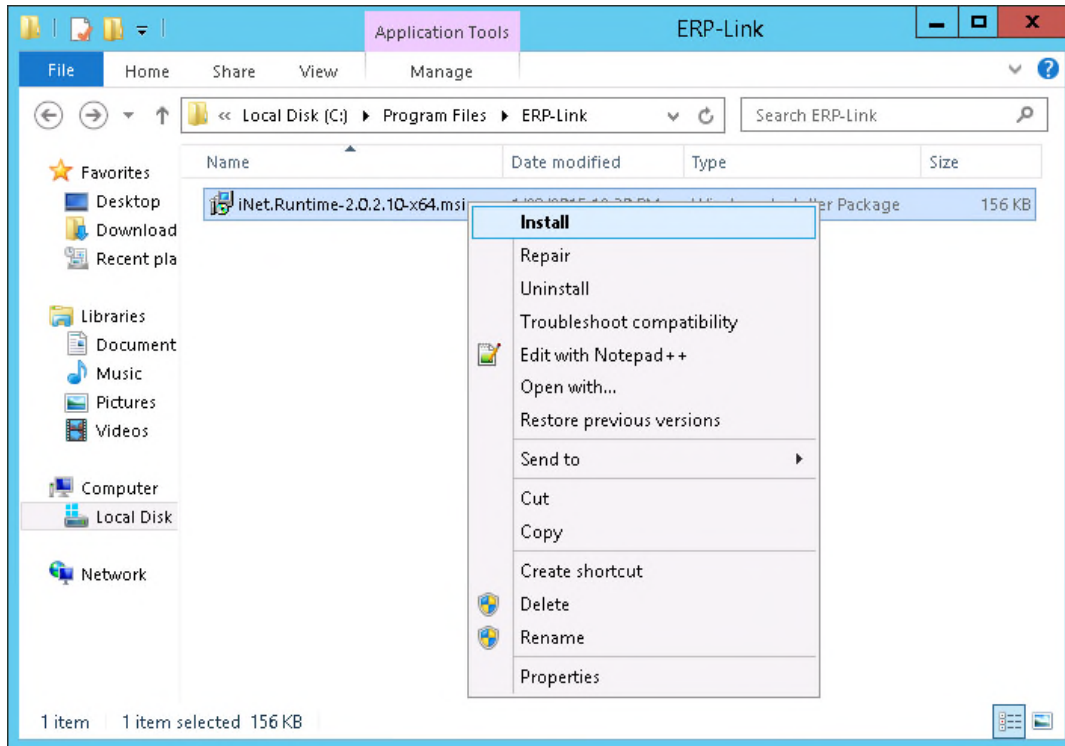
## 3.2 Installing iNet.DM on either SharePoint WFE (SSOM Mode) or CloudGate Server (CSOM Mode)

### 3.2.1 Installing the iNet.Runtime

The ERP-Link iNet.Runtime is used by various products within the ERP-Link product suite. The ERP-Link iNet.Runtime becomes a hard requirement when the iNet.DM Enterprise version is used and the DSMs (Document Service Modules) add-ons are used as well. However, the iNet.Runtime is also required for the iNet.DM Basic version (i.e. without the DSMs) when SAP barcodes are to be used and supported.



Navigate to run the *iNet.Runtime.msi* located within the folder you installed iNet.DM, right-click and choose **Install** from the context menu.

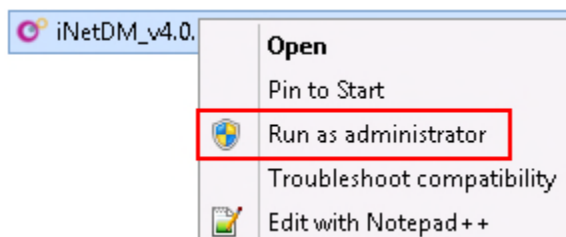


**Figure 3-3** Installing *.Net.Runtime.msi*

**Note:** No further user interaction is necessary. You can verify its installation via the Programs and Features section of the Control Panel.

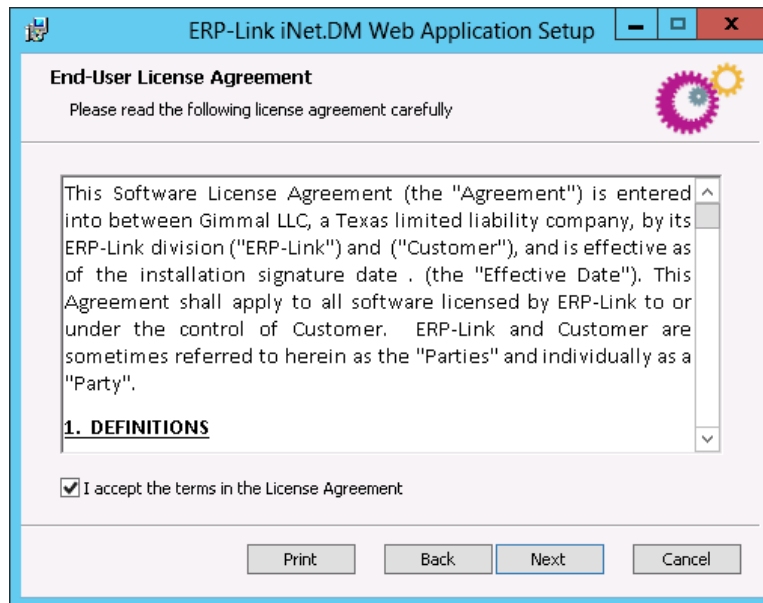
### 3.2.2 Running the iNet.DM Installer Wizard

1. Run the iNet.DM installation package by right-clicking the included *iNetDM\_....exe* application and selecting Run as administrator.



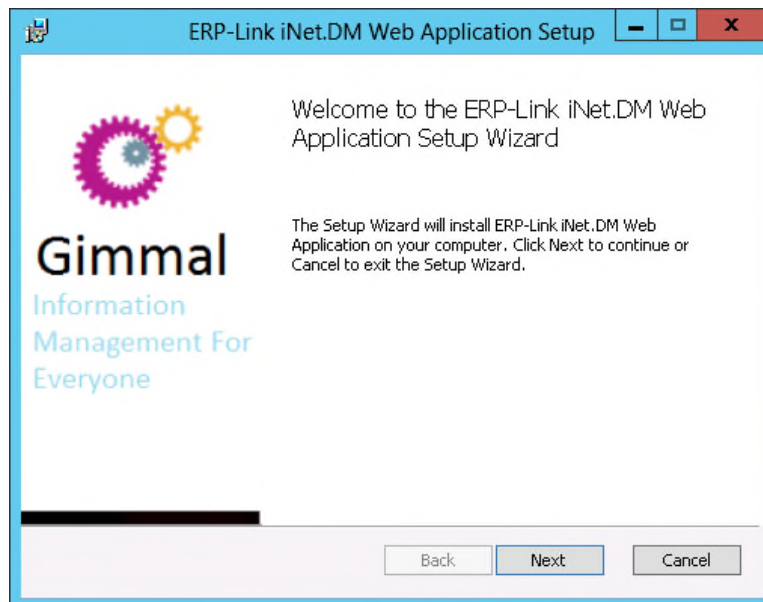
**Figure 3-4** Choosing *Run as administrator*

2. On the End-User License Agreement panel, read the terms and conditions, click the **I accept the terms in the License Agreement** option, then click **Install**.



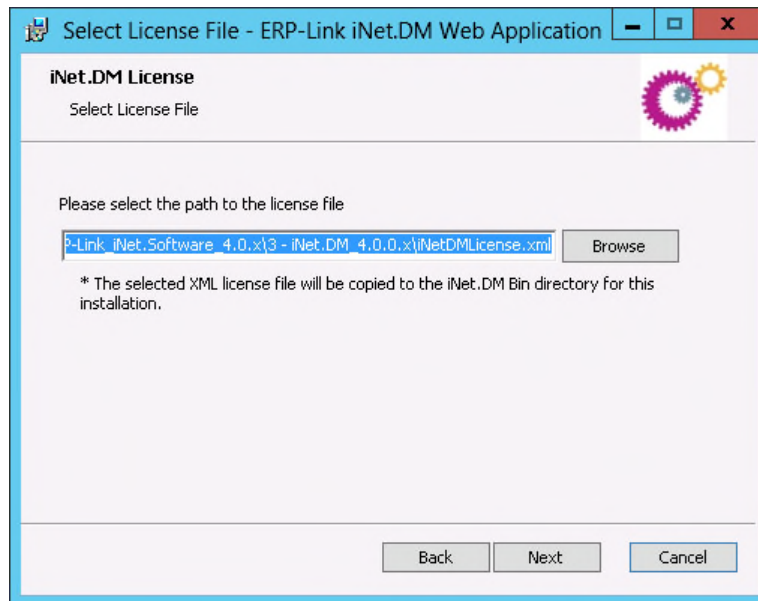
**Figure 3-5 Master Agreement Panel**

3. On the **Welcome** panel of the Application wizard, click **Next**.



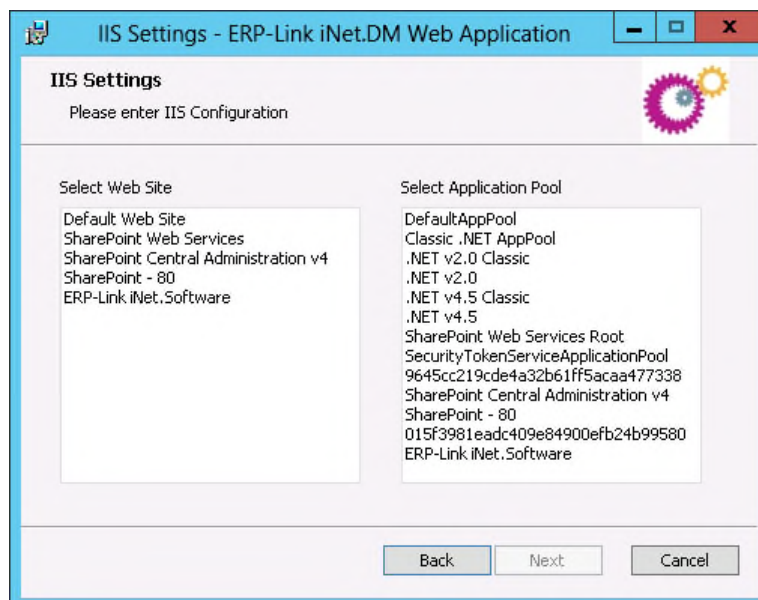
**Figure 3-6 Welcome Panel**

4. On the **Select iNet.DM License File** panel, browse to the license file and select the XML file, and then click **Next**.



**Figure 3-7 License Panel**

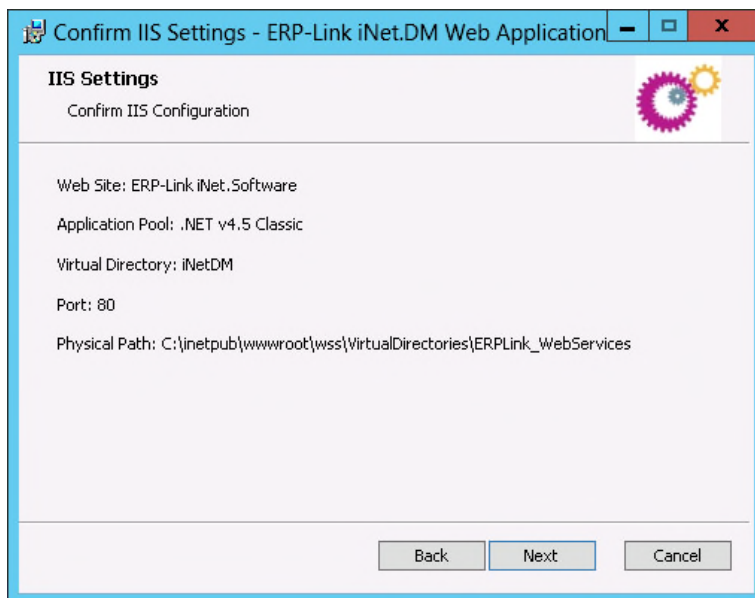
5. On the **IIS Settings** panel, enter the IIS configuration by choosing the website and Application pool you want to use, and then click **Next**.



**Figure 3-8 IIS Settings Panel**

**Note:** The only difference between installing on the SharePoint WFE (i.e. SSOM mode) or the CloudGate server (i.e. CSOM mode) is here when we select the website.

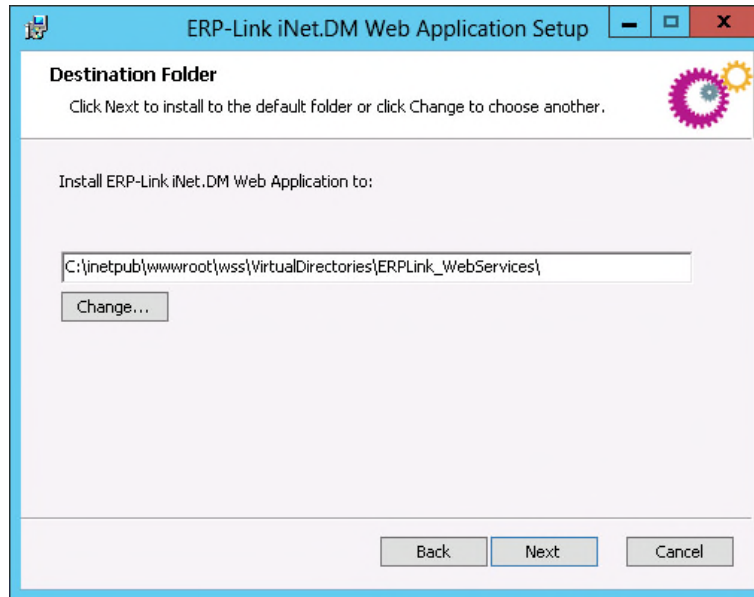
- When installing in SSOM mode, select a website that is tied to a SharePoint website.
  - When installing in CSOM mode, the website you select does not have to be a SharePoint website because SharePoint is NOT installed (or relied upon) by the ERP-Link software running on the CloudGate server.
6. On the IIS Settings panel, confirm your IIS selections, and then click **Next**.



**Figure 3-9 IIS Settings Panel**

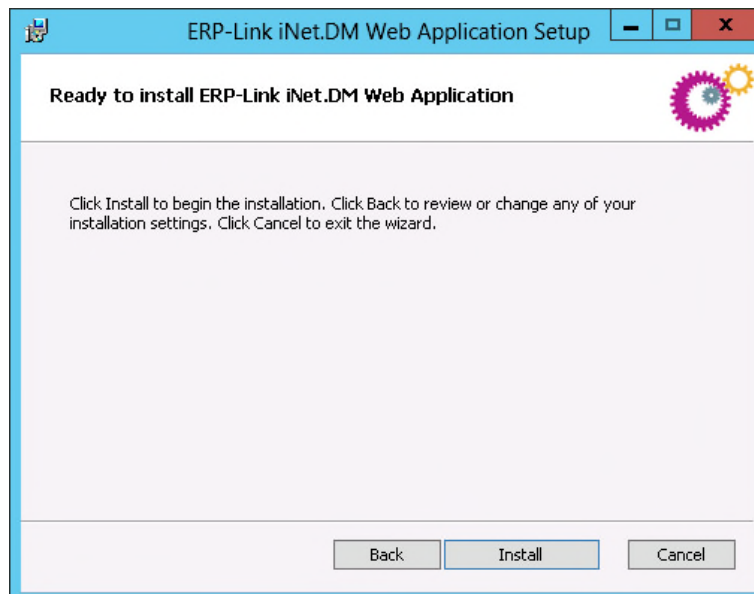
7. On the **Destination Folder** panel, confirm the path to the default folder you want the ERP-Link iNet.DM Web Application installed, and then click **Next**.

**Note:** Typically, the default is accepted.



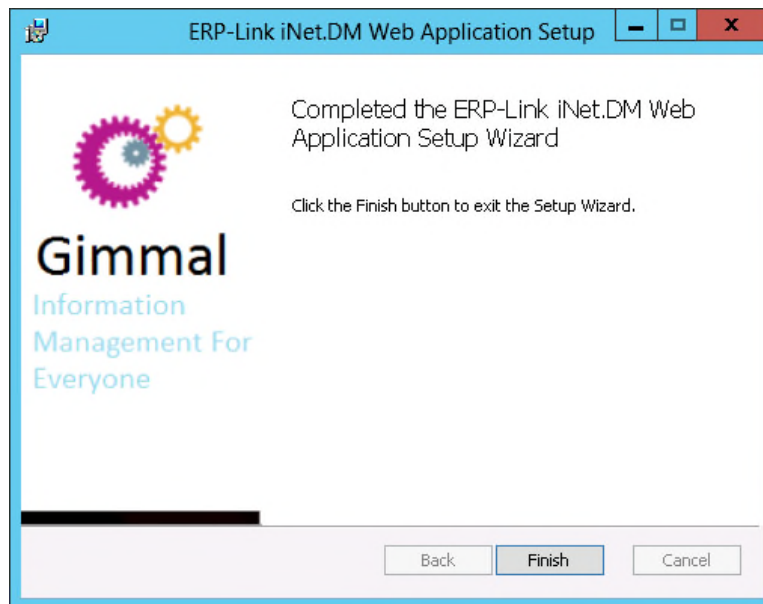
**Figure 3-10 Destination Folder Panel**

8. On the **Ready to Install** panel, click **Install** to begin the installation.



**Figure 3-11 Ready to Install Panel**

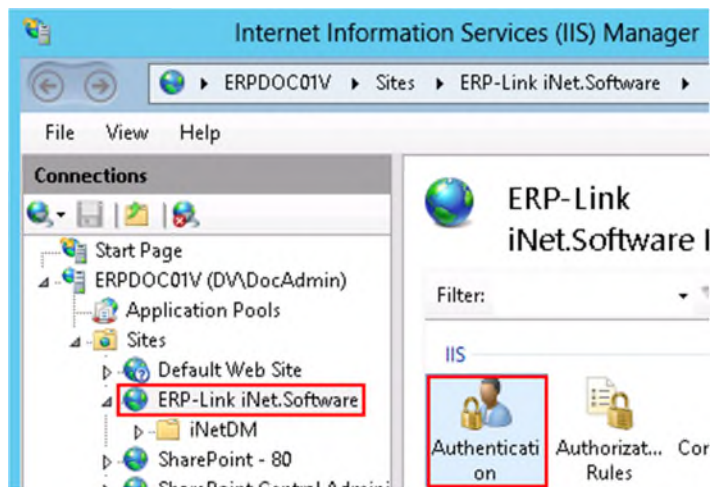
9. On the **Completed** panel, click **Finish**.



**Figure 3-12 Completed Panel**

### 3.2.3 Enabling Anonymous Authentication

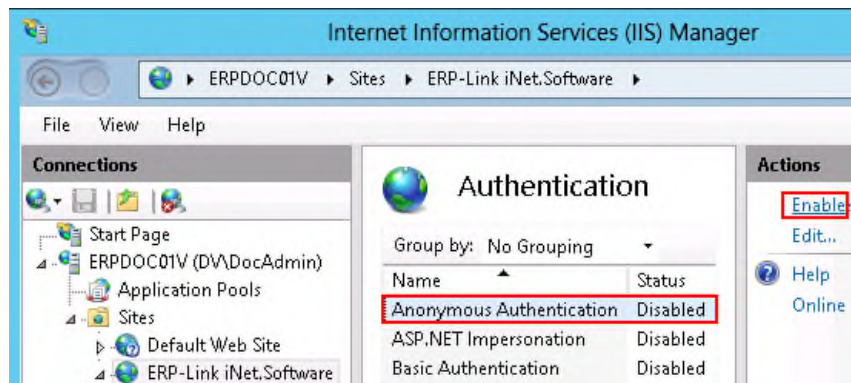
1. Open the IIS administration console by navigating to **Control Panel > Administrative Tools > Internet Information Services**, and then select the node you selected in [Figure 3-8](#). In this example, *ERP-Link iNet Software*.



**Figure 3-13 ERP-Link iNet Software Node**

2. Double-click Authentication.

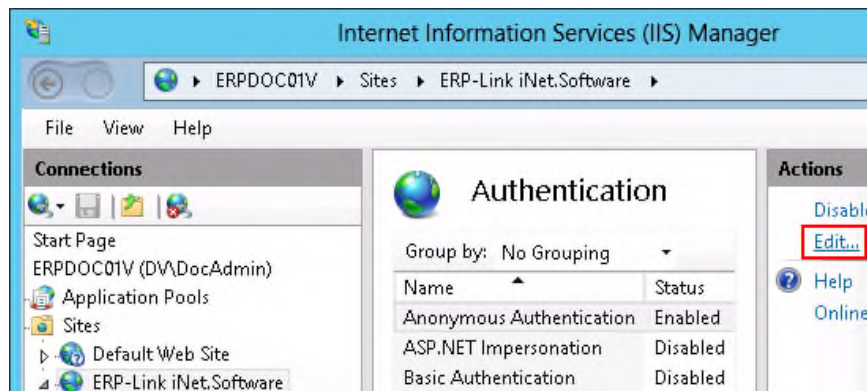
3. Ensure the Anonymous authentication is **Enabled**.



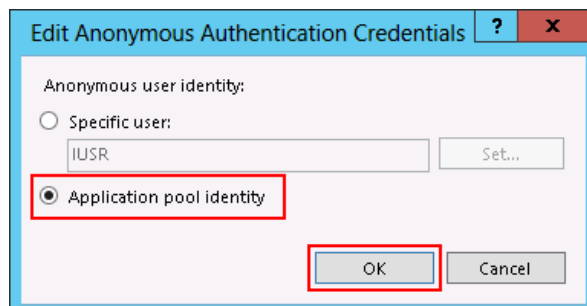
**Figure 3-14 Enable Authentication Pane**

**Note:** SAP HTTP / HTTPS communication does not support any authentication scheme – Anonymous has to be enabled for SAP to communicate with the web server.

4. Click **Edit...** and ensure that iNet.DM's anonymous impersonation is running as the Application Pool user account.



**Figure 3-15 Edit Authentication Pane**



**Figure 3-16 Enable Authentication Pane**

5. Click **OK**.

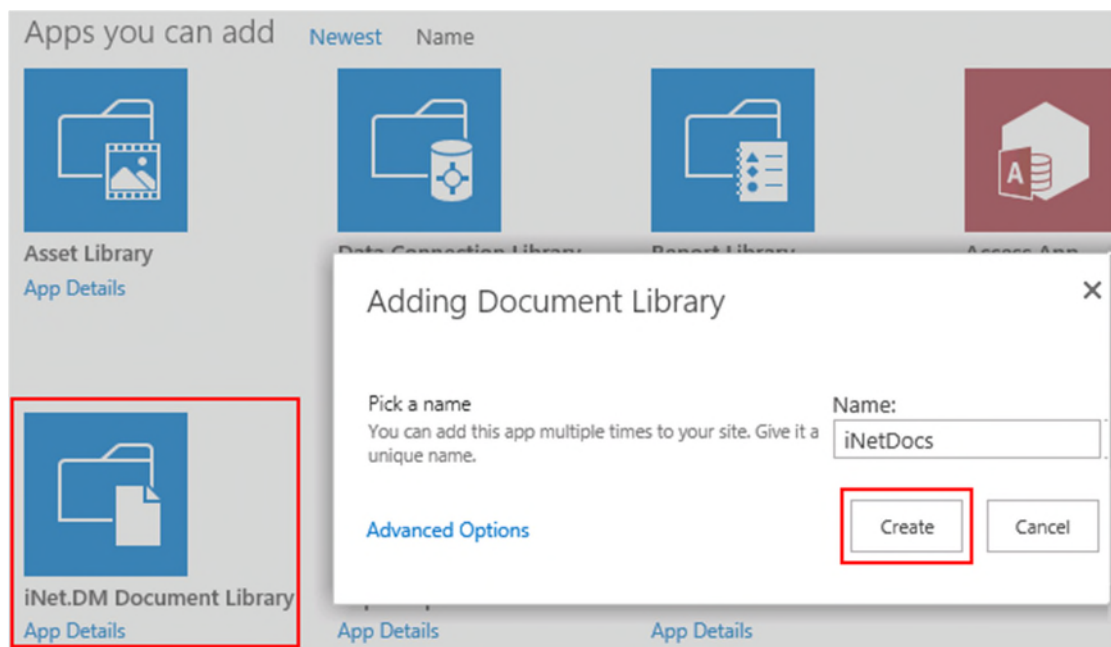
### 3.2.4 Deploying the *ERP-Link Site Columns and List Template* Feature for SharePoint 2010 and SharePoint 2013 SSOM Mode

This Feature creates Site columns and a List Template for creating iNet.DM document libraries for only SharePoint 2010. See the standard Microsoft MSDN documentation for deploying a Feature.

### 3.2.5 Creating iNet.DM SharePoint Document Library (i.e. Repository)

**Note:** The following screenshots are for SharePoint 2013. Similar instructions will be relevant for SharePoint 2010.

1. Return to the SharePoint site that you installed iNet.DM under.
2. Click **Add an App** and select the iNet.DM Document library option.

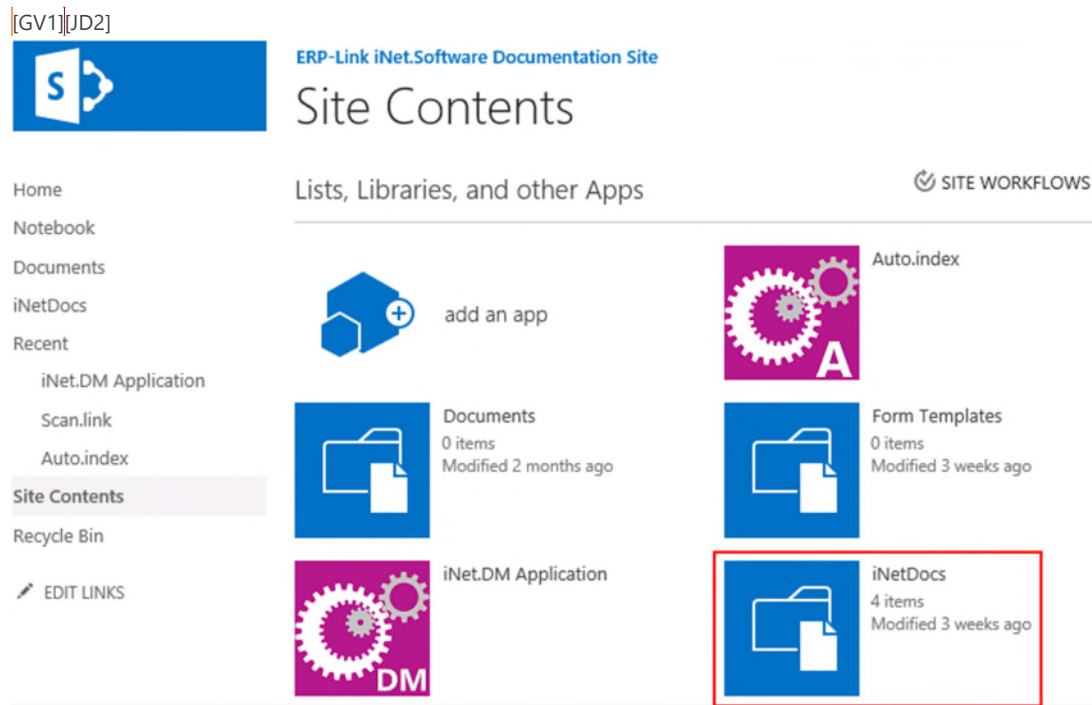


**Figure 3-17 Add Document Library Dialog Box**



3. On the Adding Document Library dialog box, enter the name of the new library, then click **Create**. For example, *iNetDocs*.

The new library displays on the Site Contents page.

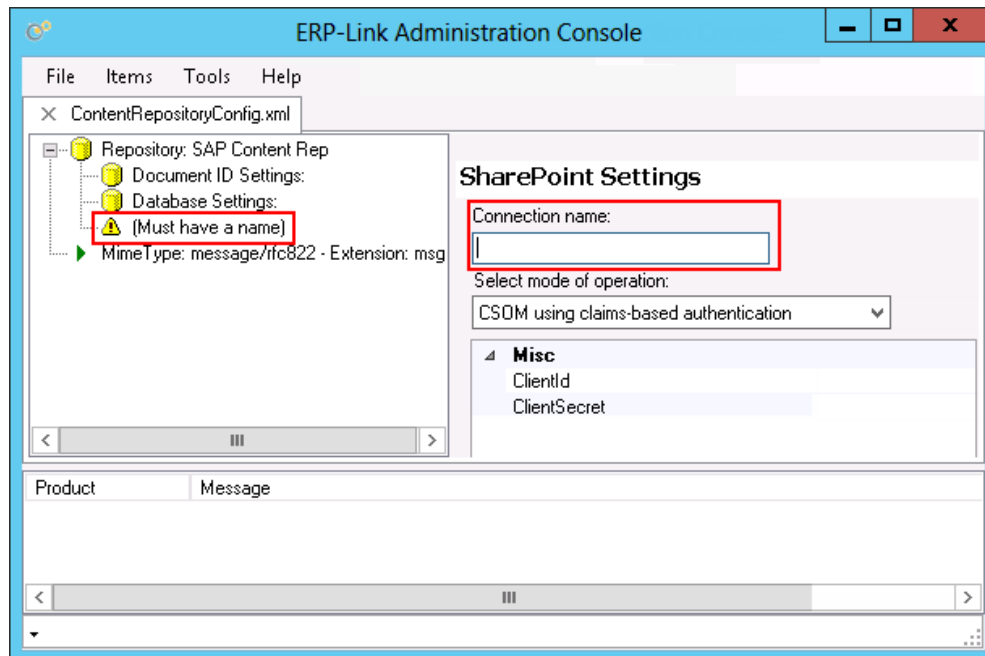


**Figure 3-18 Site Contents Page**

## 4 Configuring iNet.DM with the ERP-Link Administration Console

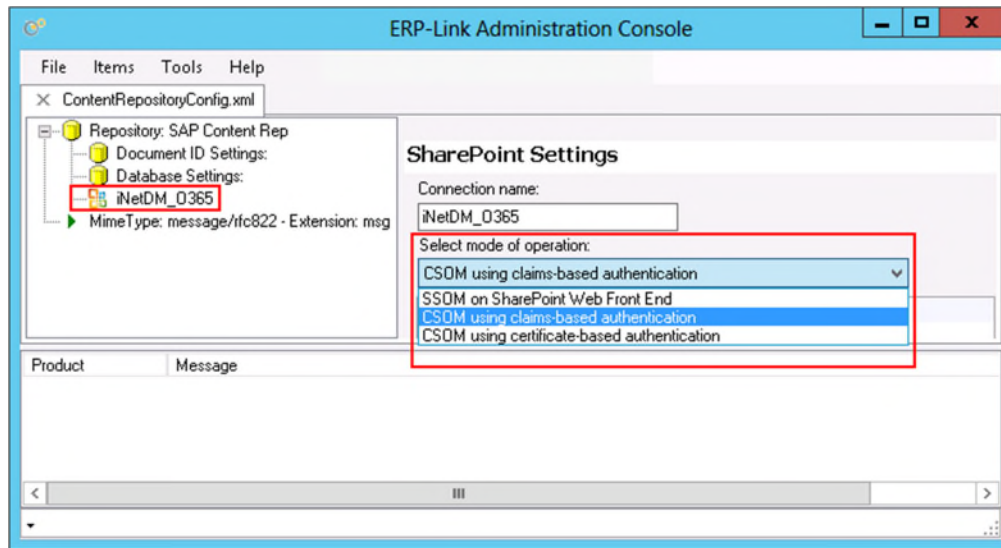
### 4.1 Selecting Deployment Mode for CSOM or SSOM

1. From the ERP-Link Administrative Console, open the *ContentRepositoryConfig.xml* file.
2. Click the **(Must have a name)** node, then define the connection name. In this example, *iNetDM\_O365*



**Figure 4-1 Defining a Connection Name**

3. From the **Select mode of operation** drop-down list, choose the appropriate mode.



**Figure 4-2 Selecting Mode of Operation**

4. Depending upon the mode selected, additional information will be required. For this example, select **CSOM using claims-based authentication**.
5. In the **Misc** pane, enter the **ClientId** and the **ClientSecret** you saved from the installation of the SharePoint app.

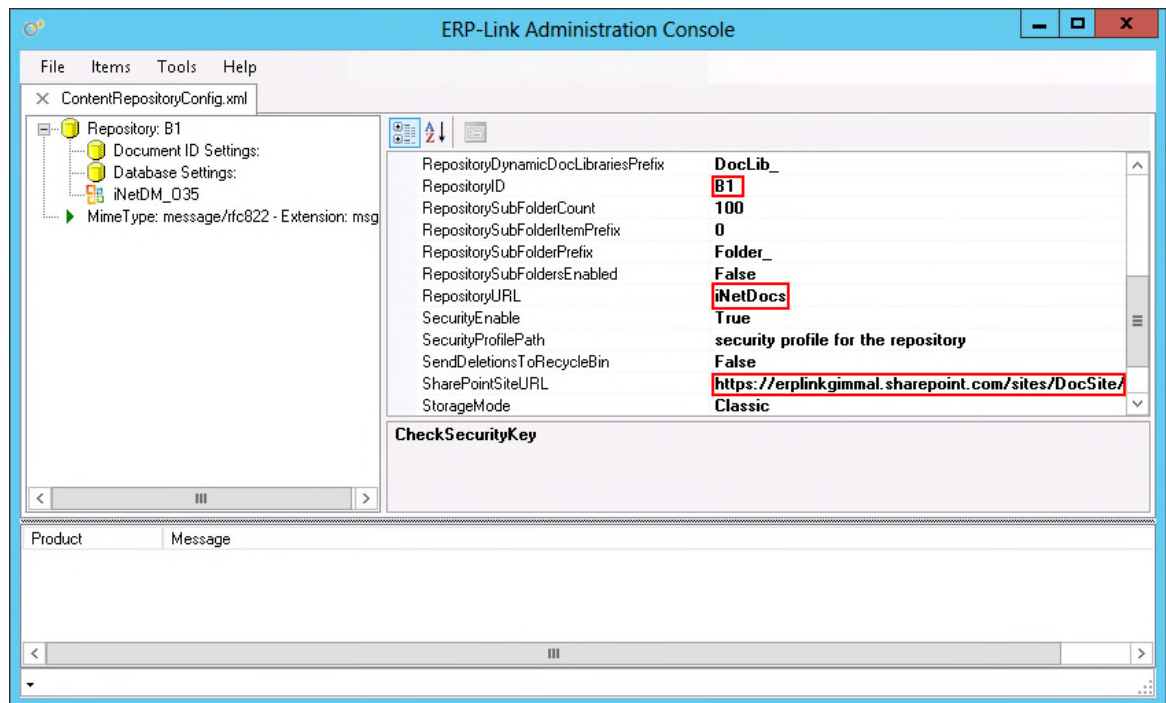
Additionally, you can select the following modes of operation:

- CSOM using certificate-base authentication
- SSOM on SharePoint Web Front End (used for on premise deployments)

6. From the **File** menu, choose **Save**.

## 4.2 Configuring the iNet.DM Document Library Repository

1. From the ERP-Link Administrative Console, open the *ContentRepositoryConfig.xml* file.
2. Select the Repository node.
3. In the Details pane, replace the values to the example values below:



**Figure 4-3 Administration Console**

- **RepositoryID**: the Content Repository ID that will be used in SAP
  - **RepositoryURL**: the name of the document library that will store documents that are linked to SAP transactions/objects
  - **SharePointSiteURL**: the location of the SharePoint Site Collection
4. From the **File** menu, choose **Save**.

See also,

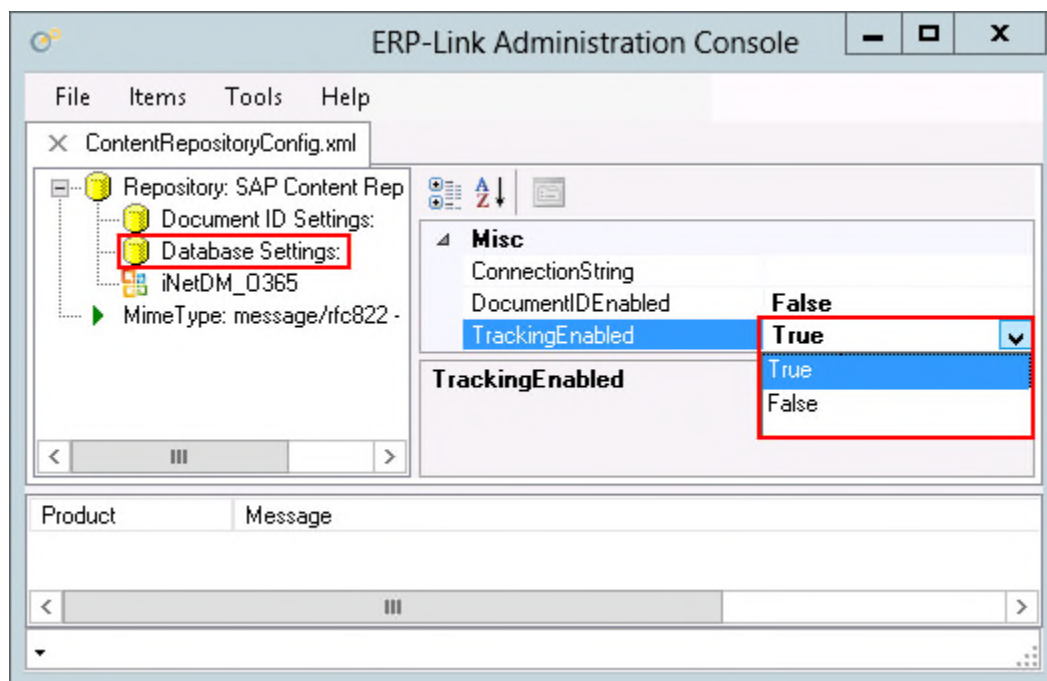
ContentRepositoryConfig.xml Entries.

### 4.3 Enabling the Tracking Database (Optional)

The iNet.DM Tracking Database is an optional feature that is especially used when the customer has a **very large SharePoint information architecture** and documents are routed (using the ERP-Link DSM products) to different SharePoint locations based on metadata routing rules.

The iNet.DM Tracking Database is also used when the SharePoint Document ID feature is utilized.

1. From the ERP-Link Administration Console, open the *ContentRepositoryConfig.xml* file
2. Select the **Database Settings** node.
3. In the **Misc** pane, select **True** (Enabled) from the **TrackingEnabled** drop-down list. The **False** option will disable the Tracking Database.



**Figure 4-4 Tracking Enabled**

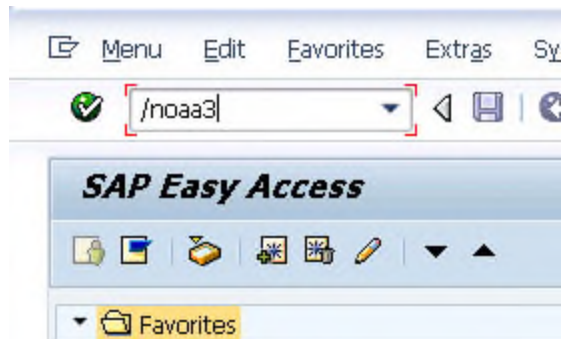
**Note:** If the SharePoint Document ID feature is also used, then select True (Enabled) from the DocumentIDEnabled drop-down list.

4. From the **File** menu, choose **Save**.

## 5 Configuring SAP

### 5.1 Creating a New Protocol (SAP T-Code OAA3)

1. In the ribbon, type **/noaa3**, then press **Enter**.



**Figure 5-1 SAP Ribbon**

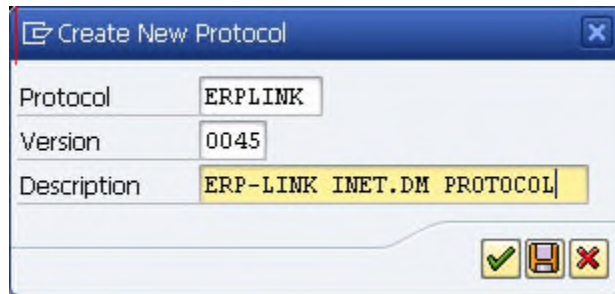
2. Click the **New Protocol** button at the top left of the ribbon.

**ArchiveLink: Communications Interface Administration**

Protocol	Version	Description	Used in st. systems
ERPLINK	0045	ERP-LINK INET.DM PROTOCOL	Used B1 C0 C1 C2 C3 E0 ET F1 F
ERPLTEST	0045	TEST	Used SI
ERPOBJ	0045	ERPLINK W/ CLIENT COMPONENT	Used DC I2
NEWERP	0045	SAMPLE	Not used in any st. system
SAPHTTP	0045	SAPHTTP 0045	Used EP VG
SAPMA	0046	PROTOKOLL FÜR CREP MA	Used MA
SAPRFC	0031	SAPRFC	Not used in any st. system

**Figure 5-2 Create Protocol Button**

3. In the **Create New Protocol** dialog box, enter values similar to the following example:



The image shows a 'Create New Protocol' dialog box with the following fields:

- Protocol: ERPLINK
- Version: 0045
- Description: ERP-LINK INET.DM PROTOCOL

At the bottom right, there are three buttons: a green checkmark (OK), a floppy disk (Save), and a red X (Cancel).

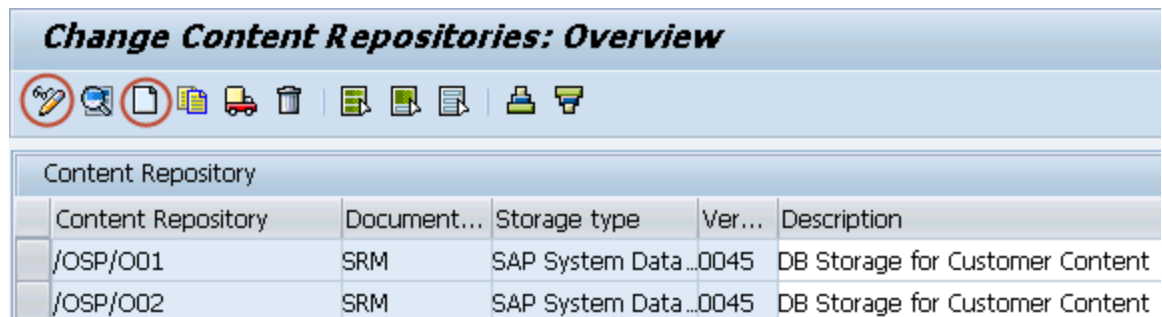
**Figure 5-3 Create New Protocol Dialog Box**

**Note:** The **Version** field represents the HTTP Content Server interface version that is to be used.

4. Click the **Save** button (floppy disk icon).

## 5.2 Creating the Content Repository (SAP T-Code OAC0)

1. In the ribbon ([Figure 5-1](#)), type **/noac0**, then press **Enter**.
2. On the ribbon, click the **Change/Display** button, then click **Create**.



The image shows the 'Change Content Repositories: Overview' screen. It features a toolbar with various icons, including a pencil (edit), a magnifying glass (search), a document (create), a folder (manage), a truck (transport), a trash can (delete), a list (display), a document with a checkmark (confirm), and a printer (print). Below the toolbar is a table with the following data:

Content Repository	Document...	Storage type	Ver...	Description
/OSP/O01	SRM	SAP System Data...	0045	DB Storage for Customer Content
/OSP/O02	SRM	SAP System Data...	0045	DB Storage for Customer Content

**Figure 5-4 Change Content Repositories Overview**



3. On the Detail page, click **Full Administration**, and enter values similar to the following example:

**Change Content Repositories: Detail**

Simple admin. **Full administration**

Content Rep.  New

Description

Document Area

Storage type

Protocol

Version no.

HTTP server

Port Number  SSL Port Number

HTTP Script

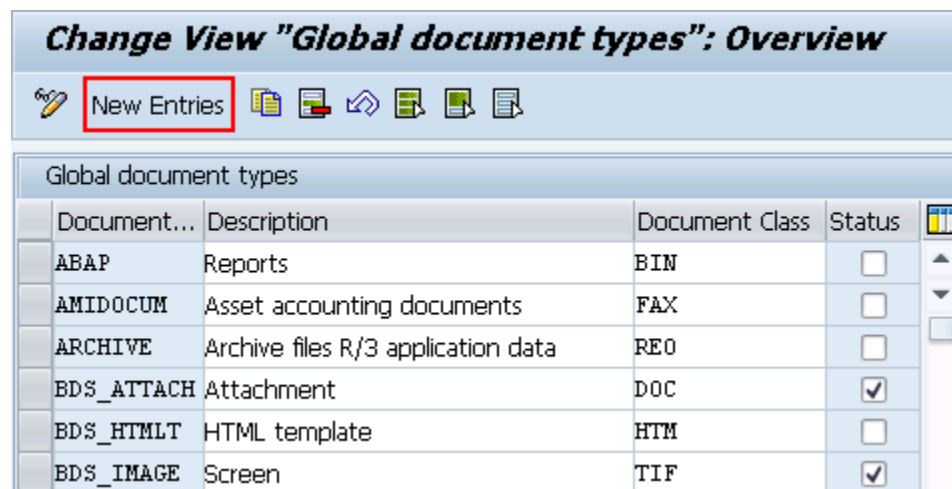
Basic Path

**Figure 5-5 Content Repository Details**

- Content Rep.— enter in the defined Content Repository ID, which will match with what is identified in the iNet.DM configuration XML file (e.g. ContentRepositoryConfig.xml). In the example above, it is **B1**.
  - Description – enter in the description of the Content Repository
  - Document Area – select the **ArchiveLink** option
  - Storage Type – select the **HTTP Content Server** option
  - Protocol – enter in the protocol created in OAA3 above
  - Version no. – enter in the version of the Content Server that is to be used
  - Port Number – enter in the network port number that the iNet.DM web application is using to receive SAP document requests
  - HTTP Script – enter as shown in the example in [Figure 5-5](#) above
4. Click the **Save** button () to save the configuration.

### 5.3 Creating Global Document Types (SAP T-Code OAC2)

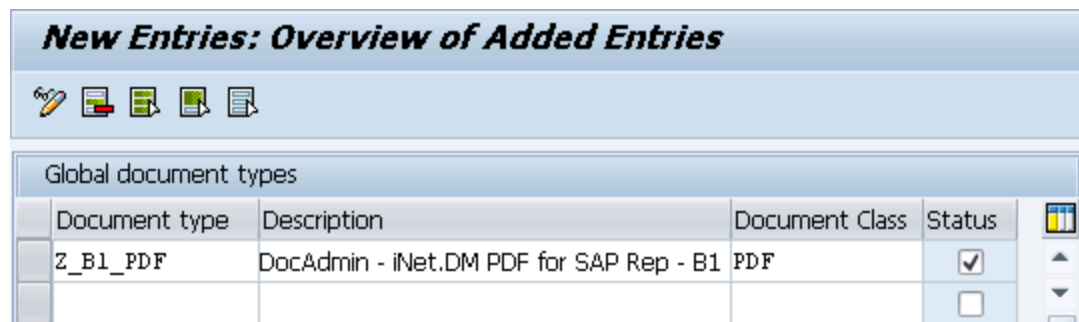
1. In the ribbon (*Figure 5-1*), type **/noac2** to create SAP ArchiveLink Document Types.
2. Create a new Global Document Type.
  - a. On the **Global Document Types: Overview** screen, click the **New Entries** button.



Document...	Description	Document Class	Status
ABAP	Reports	BIN	<input type="checkbox"/>
AMIDOCUM	Asset accounting documents	FAX	<input type="checkbox"/>
ARCHIVE	Archive files R/3 application data	REO	<input type="checkbox"/>
BDS_ATTACH	Attachment	DOC	<input checked="" type="checkbox"/>
BDS_HTMLT	HTML template	HTM	<input type="checkbox"/>
BDS_IMAGE	Screen	TIF	<input checked="" type="checkbox"/>

**Figure 5-6 Global Document Types**

The New Entries screen displays.







Document type	Description	Document Class	Status
Z_B1_PDF	DocAdmin - iNet.DM PDF for SAP Rep - B1	PDF	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

**Figure 5-7 New Entries Screen**

- b. Enter the requested values as displayed in the example above.

- c. Click the **Save** button ()

**Display View "Global document types": Overview of Selected Set**









Global document types				
Document...	Description	Document Class	Status	
Z_B1_DOC	DocAdmin - iNet.DM DOC for SAP Rep - B1	DOC	<input checked="" type="checkbox"/>	
Z_B1_DOCX	DocAdmin - iNet.DM DOCX for SAP Rep - B1	DOCX	<input checked="" type="checkbox"/>	
Z_B1_JPG	DocAdmin - iNet.DM JPG for SAP Rep - B1	JPG	<input checked="" type="checkbox"/>	
Z_B1_PDF	DocAdmin - iNet.DM PDF for SAP Rep - B1	PDF	<input checked="" type="checkbox"/>	
Z_B1_TXT	DocAdmin - iNet.DM TXT for SAP Rep - B1	TXT	<input checked="" type="checkbox"/>	

**Figure 5-8 Global Document Types Overview**

## 5.4 Creating Links for Content Repositories (SAP T-Code OAC3)

1. In the ribbon ([Figure 5-1](#)), type **/noac3**.
2. Select the **Change/Display** button.
3. Click the **New Entries** button.

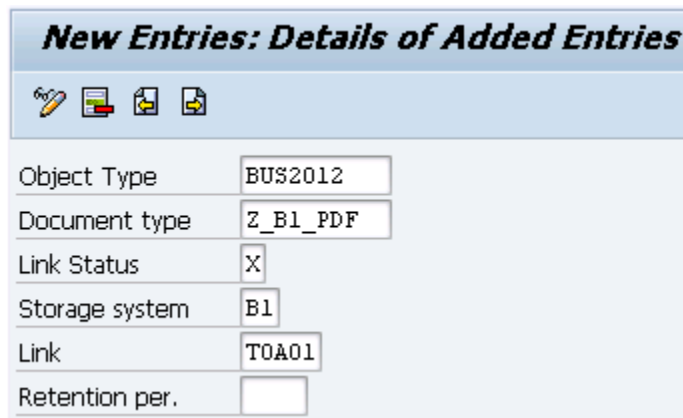
**Change View "Links for Content Repositories": Overview**

  **New Entries**      

Links for Content Repositories				
ObjectType	Doc. Type	L	Link	Retent.Period
/XFT/EPA04	HRICERTIFI	X	TOA01	


**Figure 5-9 Links for Content Repository Details**

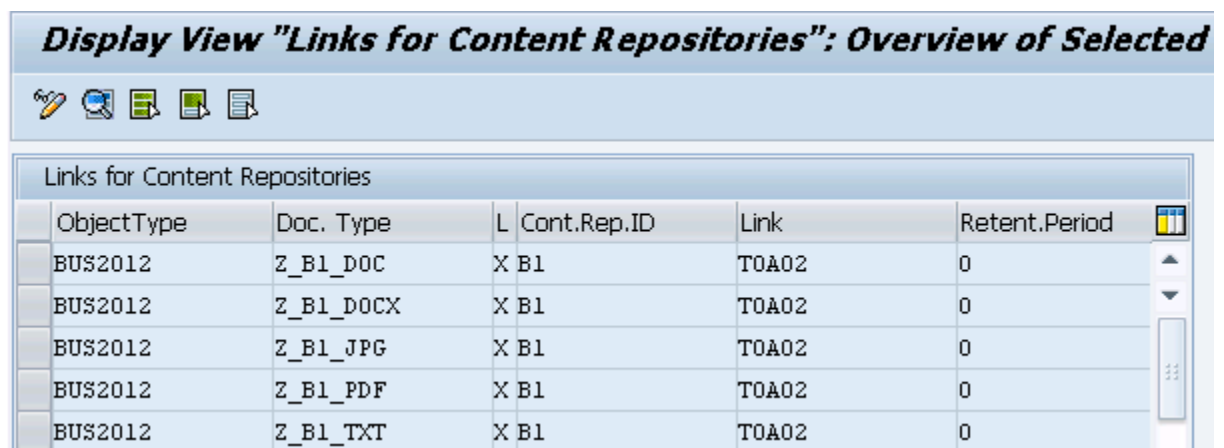
4. On the **New Entries: Details** screen, enter the requested values as displayed in the example below:



Object Type	BUS2012
Document type	Z_B1_PDF
Link Status	<input checked="" type="checkbox"/>
Storage system	B1
Link	T0A01
Retention per.	

**Figure 5-10 New Entries Screen**

- **Object type:** the SAP Object Type name
  - **Document type:** the SAP Document Type you recently created
  - **Link status:** "X", the link is active
  - **Storage system:** the name of the SAP Content Repository you recently created
  - **Link:** SAP link table. This can be any link table.
  - **Retention Per.:** can leave blank
5. Click the **Save** button (.



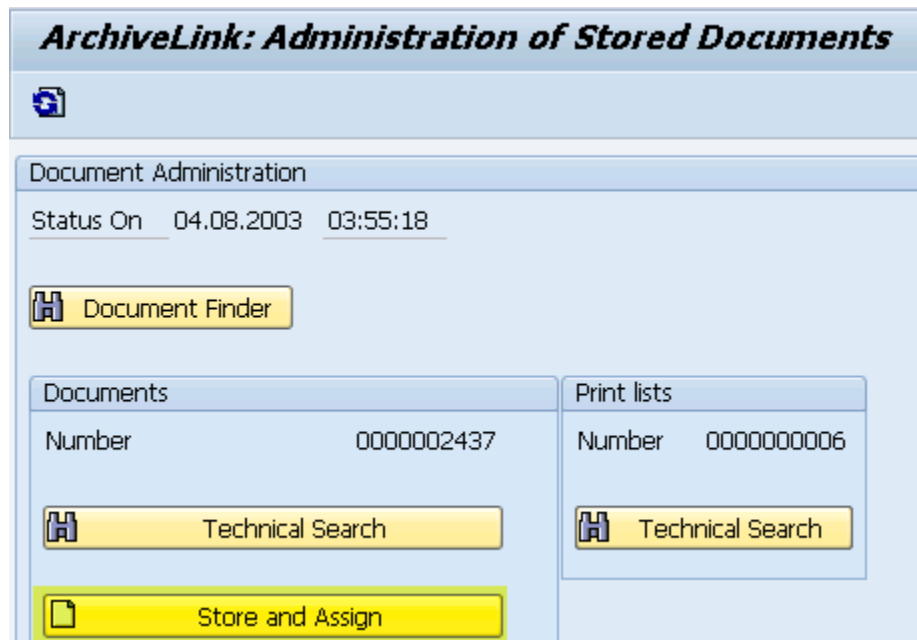
Object Type	Doc. Type	L	Cont.Rep.ID	Link	Retent.Period
BUS2012	Z_B1_DOC	X	B1	T0A02	0
BUS2012	Z_B1_DOCX	X	B1	T0A02	0
BUS2012	Z_B1_JPG	X	B1	T0A02	0
BUS2012	Z_B1_PDF	X	B1	T0A02	0
BUS2012	Z_B1_TXT	X	B1	T0A02	0

**Figure 5-11 Display View of Links**

## 6 Basic Validation of iNet.DM Functionality

### 6.1 SAP T-Code OAAD (ArchiveLink: Administration of Stored Documents)

1. In the ribbon (*Figure 5-1*), type /nOAAD.
2. On the **ArchiveLink: Administration of Stored Documents** screen, click **Store and Assign**.



**Figure 6-1 Administration of Stored Documents Screen**

3. On the **Store and Assign** page, select the SAP Business Object Type (in this example, *BUS2012*.)

- Click **Create** in the upper left had corner and look up the desired purchase order # for the document attachment operation in the next step.

**ArchiveLink: Store and Assign**

Target object

Business object: BUS2012

Document type: Z\_B1\_PDF

Link entry

Business object

Object key

Document type

Cont.Rep.ID

Document ID

Doc. class

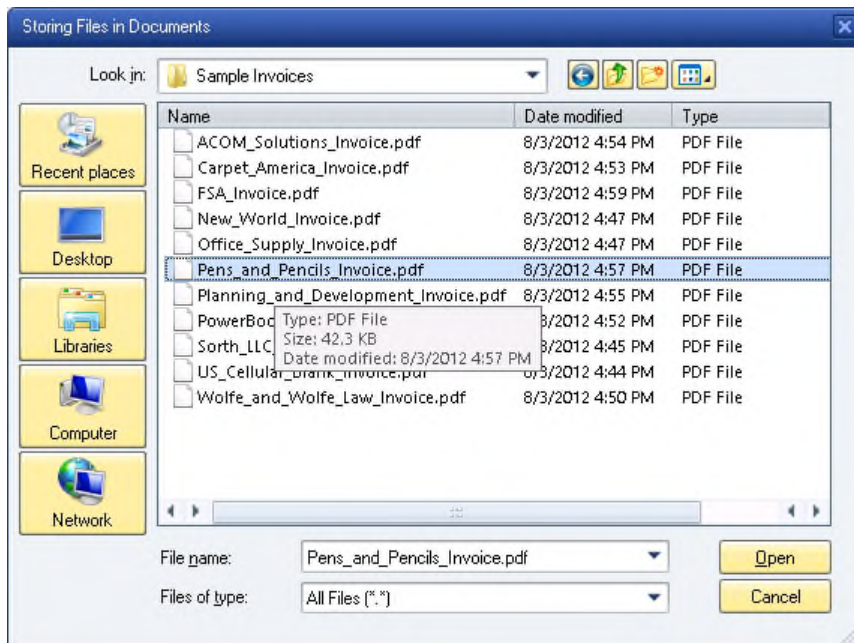
Key for SAP document

Purchase Order: 4500017501

Accept Object

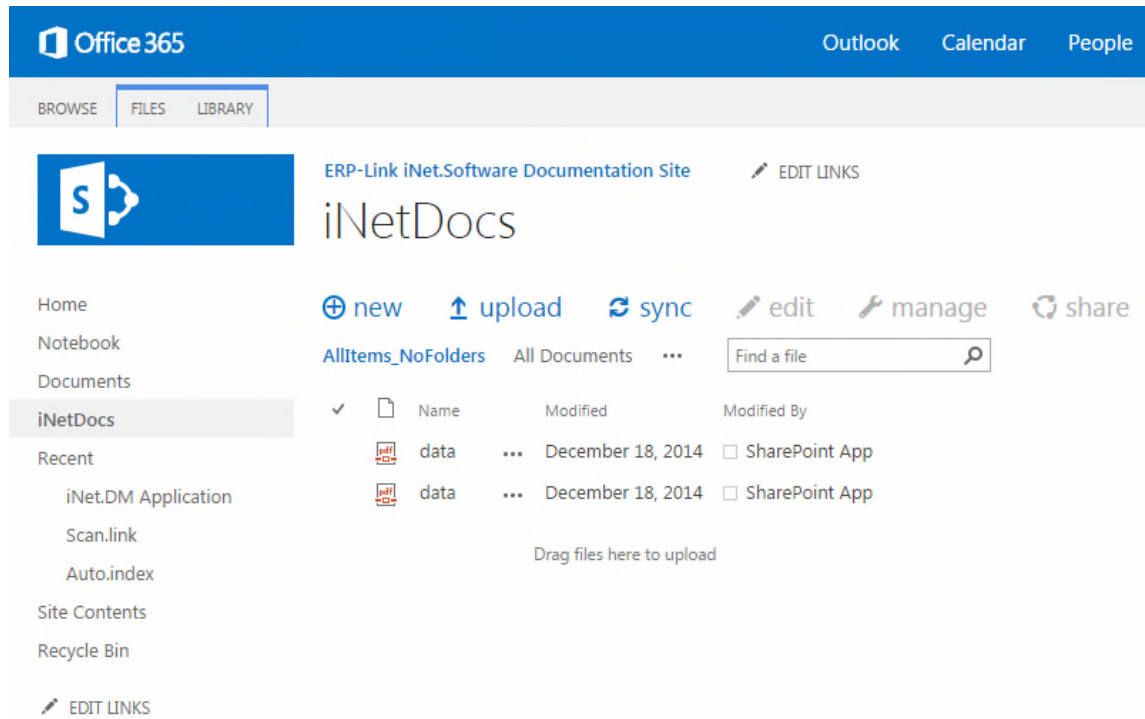
**Figure 6-2 Store and Assign Screen**

- Click the **Accept** button (✓).
- From the Storing files in document dialog box, locate the PDF, then click **Open**.



**Figure 6-3 Storing Files in Documents Dialog Box**

7. In SharePoint, navigate to Document Library where all of the iNetDM documents from SAP are going to be stored.



The example above shows two files assigned.

## 6.2 iNet.DM Service Validation through Web Browser

To validate the iNet.DM service through a Web browser, type the following the URL address field:

```
http://{ServerName}/iNetDM/CommandAcceptor.aspx?serverInfo&pVersion=0045&contRep={ContentRepositoryId}
```

The **ContentRepositoryId** field in the URL represents the SAP Content Repository ID that is under validation.

With a successful test, the following sample text will be returned:



## 7 SharePoint Configuration File Entries

### 7.1 Web.Config Entries

You can declaratively register web.config entries by creating an XML file that contains a set of web.config modifications. To do this, you create a custom *webconfig.XYZ.xml* file deployed to **C:\inetpub\wwwroot\wss\VirtualDirectories\80\iNetDM** (example), where XYZ is a unique ID that you use to identify your solution.

Note: other web.config entries exist when the ERP-Link DSM (Document Service Modules) products are deployed alongside ERP-Link iNet.DM

**Path:** [IIS Site installed to]\iNetDM\Web.config

ID	Key Name	Description	Example
1	ContentRepository XMLFileName	This key stores the file path of the default iNet.DM configuration file	C:\inetpub\wwwroot\erplink.example.com\iNetDM\FILES\ContentRepositoryConfig.xml
2	ERPLink.iNetDM.Barcode.iNet_SendBarcode	The ERP-Link Connection Service connection string for the SAP system that the barcode function should be using	"SERVER=127.0.0.1;POOLID=00"



## 7.2 ContentRepositoryConfig.xml Entries

**Path:** [IIS Site installed to]\iNetDM\FILES\ContentRepositoryConfig.xml

ID	XML Node	Description	Example
1	ContentReplID	This attribute corresponds to the SAP Content Repository ID	B1
2	WorkSpaceURL	This attribute specifies the SharePoint site as it is listed in SharePoint Central Administration	http://erp460/
3	RepositoryURL	This attribute specifies the primary SharePoint Document Library name	DocumentLibrary
4	SecurityEnable	This attribute is used to specify the security status at SAP side.  If Security is enabled at SAP side then the value of this attribute will be "True" otherwise "False".	"False"
5	SupportedProduct Versions	This attribute is used to specify HTTP Content Server interface version supported by iNet.DM	"0045"
6	DefaultDocument Protection	This attribute is used to specify the Default document protection	"rcud"
7	Description	Specifies the Content Repository description. This value will be used as a response for the ServerInfo SAP request.	Sales Orders Document Repository
8	RepositoryDynamic DocLibrariesEnabled	Enable (True) or Disable (False) dynamic document routing. This will store documents to a predefined set of libraries managed by iNet.DM.	"True" or "False"

ID	XML Node	Description	Example
9	RepositoryDynamicDocLibrariesCount	Specify the number of document libraries to be used by the dynamic routing algorithm.	"200"
10	RepositoryDynamicDocLibrariesPrefix	Prefix to use on all dynamic document libraries created by the algorithm.	"DocLib_"
11	RepositoryDynamicDocLibrariesItemPrefix	<b>Any</b> padding character to ensure all items are the <b>same length</b> as the largest number (i.e. count of libs). For example if there are 100 dynamic doc libs, then a prefix of "0" will make the libraries as follows: DocLib_001, DocLib002... DocLib100 instead of DocLib_0... DocLib_12... DocLib_100	"0"
12	RepositorySubFoldersEnabled	Enable (True) or Disable (False) subfolder routing	"True" or "False"
13	RepositorySubFolderCount	Specify the number of subfolders to be used by the hashed document distribution algorithm	"200"
14	RepositorySubFolderPrefix	Prefix to use on all subfolders	"Folder_"
15	RepositorySubFolderItemPrefix	Padding character (i.e. "X" = will produce "XX1", "XX2", etc.)	"0"

ID	XML Node	Description	Example
16	Logging	<p>Defines the level of information sent to the Event Log. Each level provides more information than the previous.</p> <ul style="list-style-type: none"> <li>• <b>Error</b> – provides the least amount of messages</li> <li>• <b>Warning</b> – provides more messages than Error</li> <li>• <b>Information</b> – provides the <b>most diagnostic</b> information</li> </ul>	"Error"
17	CheckSecurityKey	"True" or "False" – set to "True" if using SAP security certificates to prevent unauthorized access	"False"
18	PreserveFileName	"True" or "False" – set to "True" to handle filenames with international characters without performing encoding.	"False"
19	ParallelQueryEnabled	Enables locating a document using simultaneous, search-based queries against all primary and secondary document libraries. The various libraries must have the key search columns as indexed columns to ensure good performance.	"False"
20	SendDeletionsToRecycleBin	If "True" all documents deleted by SAP will be sent to the Recycle Bin instead of being irrevocably deleted.	False

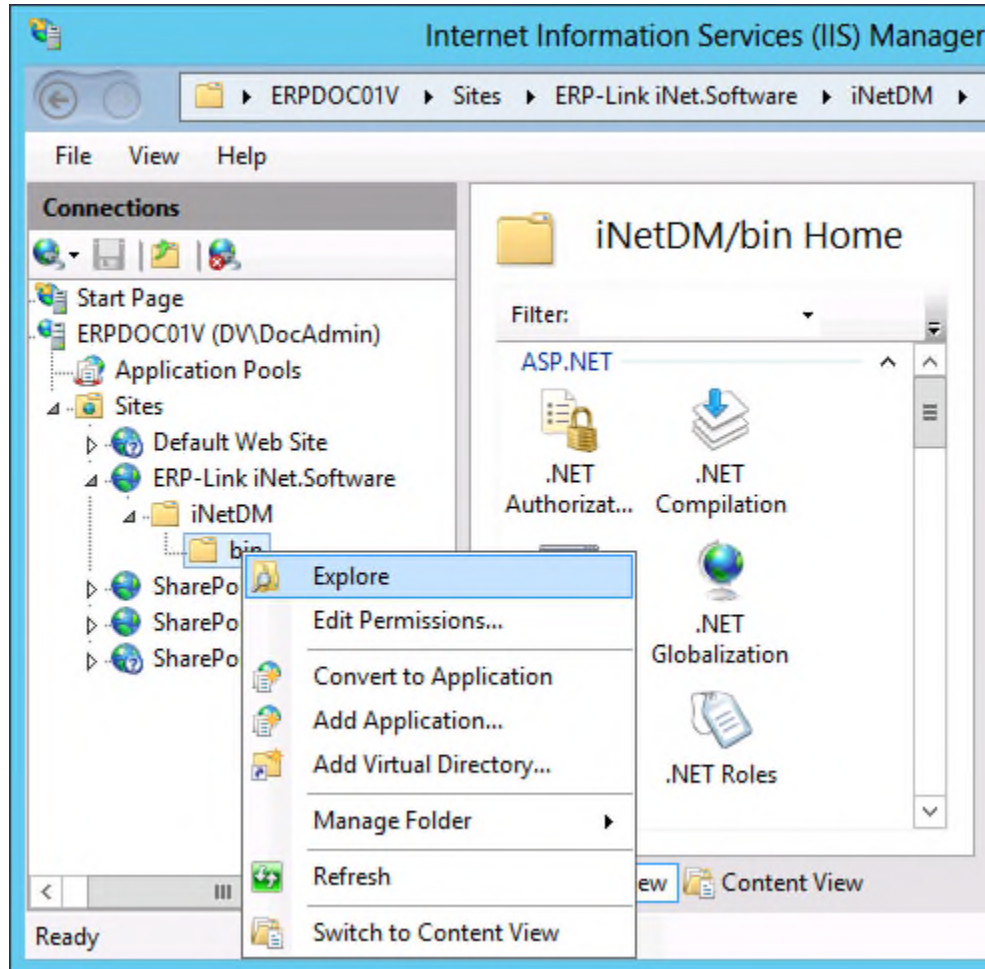
ID	XML Node	Description	Example
21	AdditionalProperties	<p>Add "AdditionalProperty" elements for each additional property to be added to archived documents.</p> <ul style="list-style-type: none"> <li>• "Name" = the display name for the property to be added.</li> <li>• "Value" = the value for the property to be added.</li> </ul>	
22	SecondaryDocument Libraries	<p>Add "Secondary DocumentLibrary" elements for each document library that iNet.DM should search for a document ID.</p> <ul style="list-style-type: none"> <li>• WorkspaceURL = "" – Should be the SharePoint site to look in (currently ignored)</li> <li>• Repository = "" – Should be the document library relative name to look in.</li> </ul>	
23	DatabaseSettings	<p>Controls use of the Tracking Database</p> <ul style="list-style-type: none"> <li>• trackingEnabled="true" – use the tracking database for archival and retrieval attempts</li> <li>• connectionstring – SQLServer connection string for the tracking database</li> </ul>	

ID	XML Node	Description	Example
24	SharePointSettings	<p>Controls communication to SharePoint:</p> <p>Connection Name – “SSOM” for Server-side APIs to communicate with SharePoint, or “CSOM” for Client-side APIs</p> <p><b>SSOM node:</b></p> <p>Version – contains “2010” or “2013” options, depending on which version of SharePoint will be used in SSOM mode.</p>	

## 8 FAQs

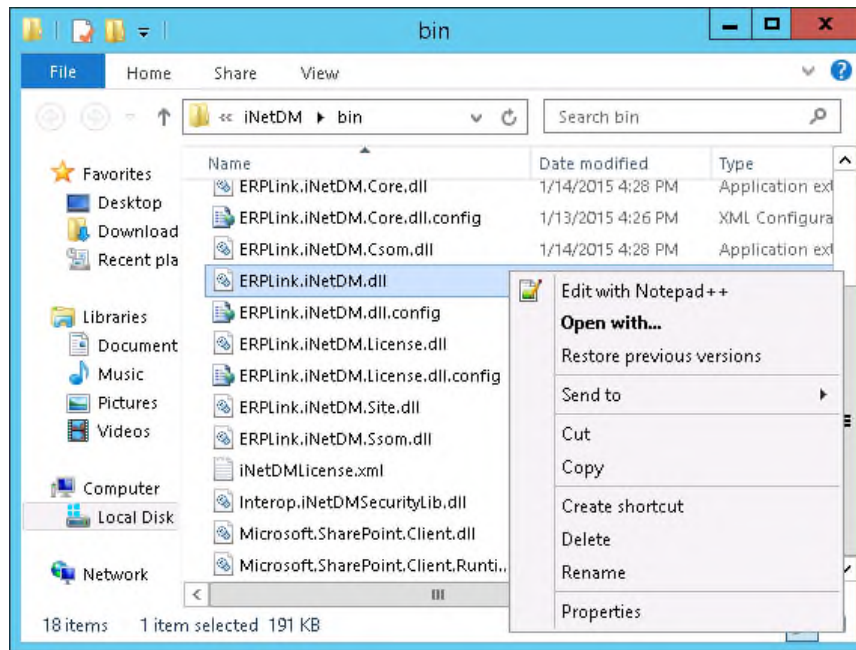
### 8.1 How do I determine the installed version of iNet.DM?

1. Launch IIS Admin on the iNet.DM server and browser to the iNet.DM virtual directory.
2. Right-click the **bin** folder and choose **Explore**.



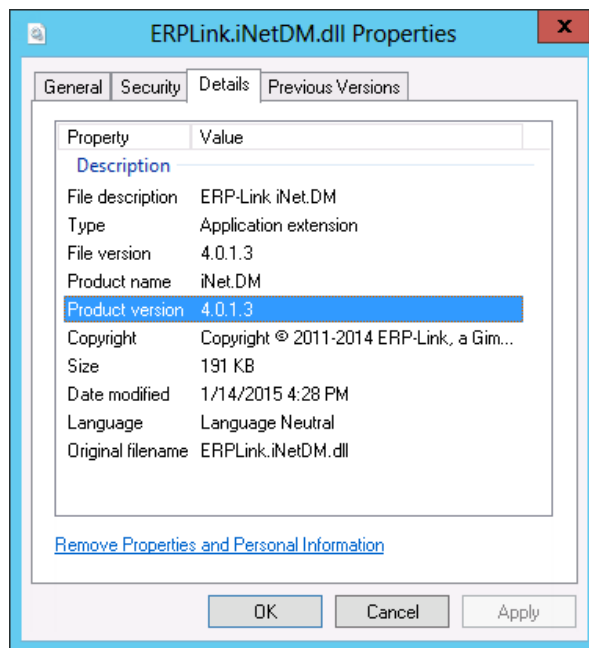
**Figure 8-1 Determining the Installed Version**

3. Right-click the *ERPLink.dll* or *ERPLink.iNetDM.dll* file, and select **Properties** from the context menu.



**Figure 8-2 Determining the Installed Version**

4. Click the **Details** tab to view the version property.



**Figure 8-3 Determining the Installed Version**

## 8.2 How do I determine the expiration date of iNet.DM?

**Note:** Look at the certificate in the bin/location. See the *iNetDMLicense.xml* file. [GV4]

For example, C:\inetpub\wwwroot\wss\VirtualDirectories\ERPLink\_WebServices\iNetDM\bin\iNetDMLicense.xml.

## 8.3 How do I configure an SAP Content Repository for HTTPS?

These instructions describe how to configure an SAP HTTP content repository to use the HTTPS protocol to communicate to an HTTP content server, such as iNet.DM.

1. Navigate to SAP T-Code **/nOACO**.
2. Select the content repository and click the **Display/Change** button.

The screenshot displays the SAP 'Display Content Repositories: Detail' window. The window has a menu bar (Content Repository, Edit, Goto, Environment, System, Help) and a toolbar with various icons. The main area is titled 'Display Content Repositories: Detail' and includes a sub-header with icons and 'Simple admin.' / 'Full administration' buttons. The configuration details are as follows:

Content Rep.	01	<input type="checkbox"/> Active
Description	iNet.DM Documentation Server	
Document Area	ArchiveLink	
Storage type	HTTP content server	
Version no.	0045	Content Server version 4.5
HTTP server	erpdoc01v-inet.dv.local	
Port Number	80	SSL Port Number
HTTP Script	iNetDM/CommandAcceptor.aspx	
Transfer dirctry		
Phys. path	D:\usr\sap\GE1\SYS\global\	
Time created	13.01.15 19:15:40	
Created by	DOCUSER	
Name	Documentation User	
Last Changed At	13.01.15 19:15:40	
Last changed by	DOCUSER	
Name	Documentation User	

**Figure 8-4 Display Content Repository**





3. Activate HTTPS options by entering **%HTTPS** in the transaction field.

**Change Content Repositories: Detail**

Content Rep. B1 Modified 12 / 210

Description iNet.DM Documentation Server

Document Area ArchiveLink

Storage type HTTP content server

Version no. 0045 Content Server version 4.5

HTTP server erpd01v-inet.dv.local

Port Number 80 SSL Port Number

HTTP Script iNetDM/CommandAcceptor.aspx

Transfer drctry

Phys. path D:\usr\sap\GE1\SYS\global\

HTTPS on frontend HTTPS possible HTTPS on backend HTTPS possible

**Figure 8-5 Changing Repository Detail**

4. Clear the HTTP port value and enter the appropriate SSL Port Number value.

Version no. 0045 Content Server version 4.5

HTTP server erpd01v-inet.dv.local

Port Number SSL Port Number 443

HTTP Script iNetDM/CommandAcceptor.aspx

Transfer drctry

Phys. path D:\usr\sap\GE1\SYS\global\

HTTPS on frontend HTTPS possible HTTPS on backend HTTPS possible

**Figure 8-6 Clear Port Number and Enter SSL Port Number**

5. Switch backend and frontend HTTPS modes to "HTTPS required."

Version no. 0045 Content Server version 4.5

HTTP server erpd01v-inet.dv.local

Port Number SSL Port Number 443

HTTP Script iNetDM/CommandAcceptor.aspx

Transfer drctry

Phys. path D:\usr\sap\GE1\SYS\global\

HTTPS on frontend HTTPS required HTTPS on backend HTTPS required

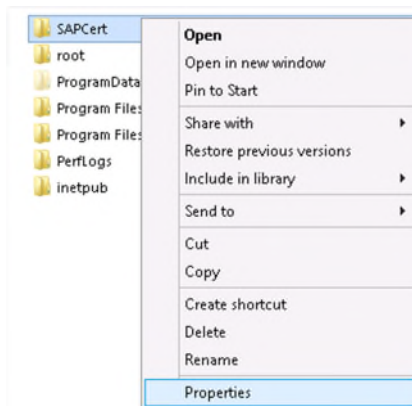
**Figure 8-7 HTTPS modes switched to HTTPS required**

6. Save the settings.

## 8.4 How do I configure unauthorized access safeguards for iNet.DM?

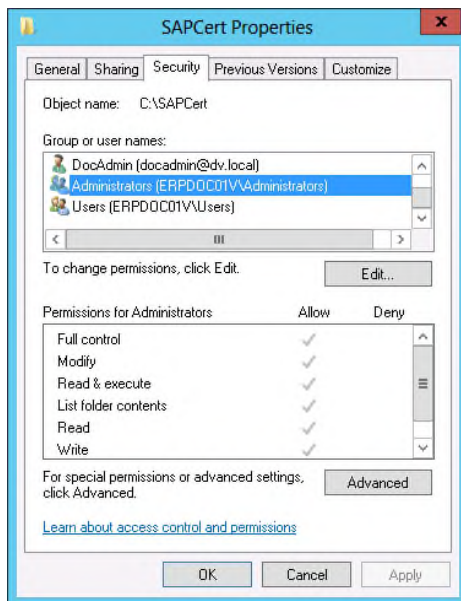
The following steps describe how to make use of iNet.DM's SAP security integration in conjunction with an SAPSECU encryption certificate.

1. Create the certificate folder called "c:\SAPCert".
2. Right-click the **SAPCert** folder, then choose **Properties** from the list.



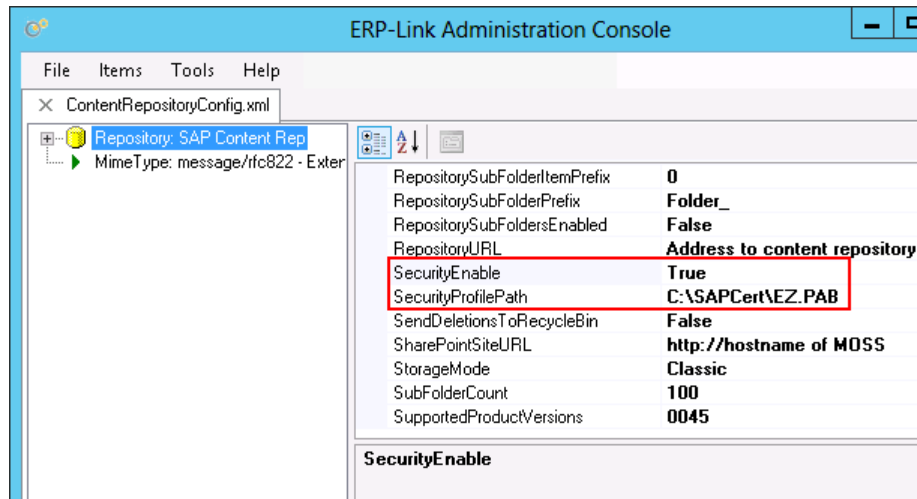
**Figure 8-8 Select Folder Properties**

3. Click the **Security** tab and set permissions on this folder.



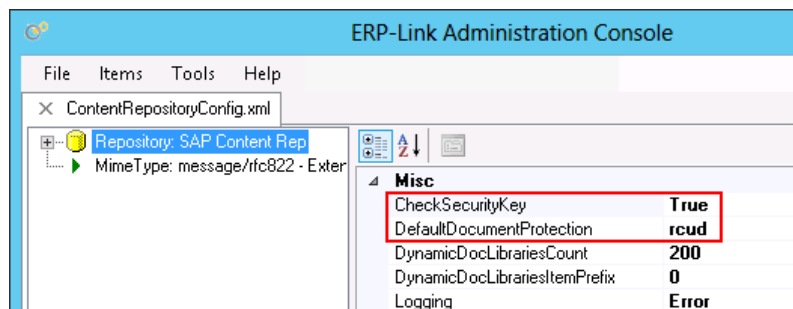
**Figure 8-9 Select Folder Properties**

4. Click **OK**.
5. From the ERP-Link Administration Console, open the *ContentRepositoryConfig.xml* file.
6. Select the SAP node and edit the path and filename for the security certificate **Misc** pane.



**Figure 8-10 Enter Security Profile Path**

7. Additionally, set **CheckSecurityKey** to *True* and **DefaultDocumentProtection** to *rcud*.



**Figure 8-11 Enter Security Profile Path**

8. Navigate to SAP T-Code **/nOACO**.
9. Select the content repository and click the **Display/Change** button.

10. Click the **Send the certificate** button.

**Change Content Repositories: Detail**

Simple admin. Full administration

Content Rep. B1 Active 1 / 1

Description iNet.DM Documentation Server

Document Area ArchiveLink

Storage type HTTP content server

Version no. 0045 Content Server version 4.5

HTTP server erpdoc01v-inet.dv.local

Port Number SSL Port Number 443

HTTP Script iNetDM/CommandAcceptor.aspx

Transfer dirctry

Phys. path D:\usr\sap\GE1\SYS\global\

HTTPS on frontend HTTPS required HTTPS on backend HTTPS required

CS Admin

**Figure 8-12 Sending the certificate**

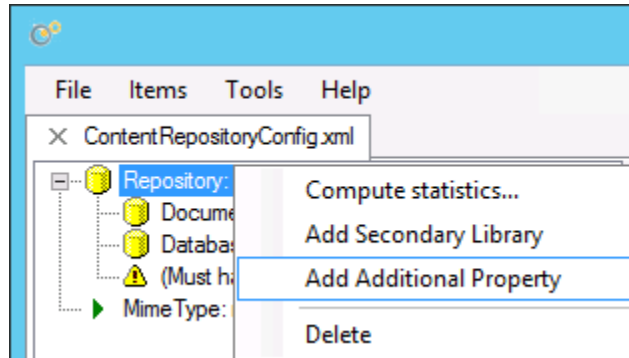
11. Test the archival and retrieval.

## 8.5 How do I configure static metadata for each document archival?

You can add configured **static properties** to documents archived via SAP or Gimmel's Scan.link DSM into an iNet.DM repository. These values are pre-set in the *ContentRepositoryConfig.xml* file and are specific to all documents archived to the content repository for which they are defined.

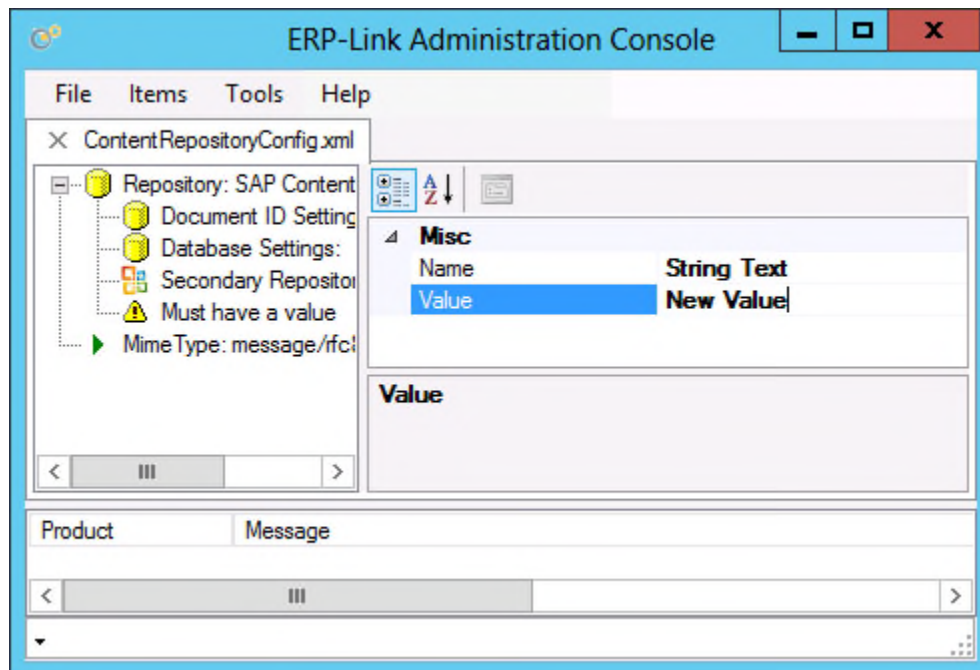
1. Launch the ERP-Link Administrator Console.
2. Open the *ContentRepositoryConfig.xml* file.

3. Right-click the repository node, then choose **Add Additional Property** from the list.



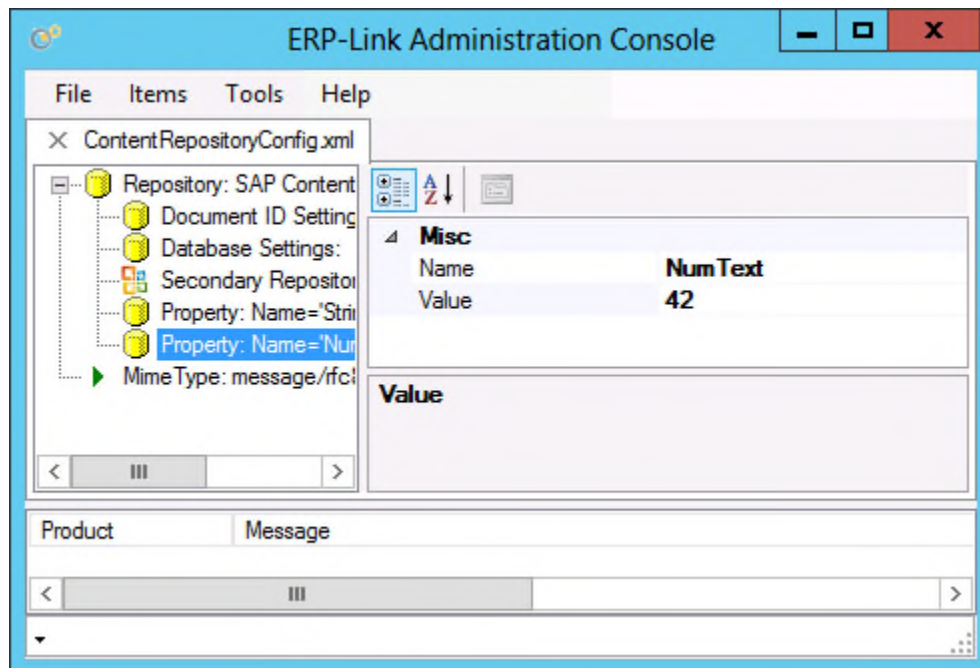
**Figure 8-13 Add Additional Property**

4. On the **Misc** pane, enter values for the **Name** and **Value** fields.



**Figure 8-14 Misc Pane**

5. Repeat steps 3 and 4 for additional properties as shown in the following example.



**Figure 8-15 Additional Property**

6. Save the file.
7. Restart the iNet.DM Application in one of the following ways:
- make an immaterial change to the iNet.DM web.config file  
For example, open the web.config file, add and delete a space, and then save the file.
  - restart the iNet.DM application pool or website
  - perform an IISReset.