

PDF Watermark Installation and Administration Guide
10g Release 3 (10.1.3.30)

May 2007

PDFWatermark Installation and Administration Guide, 10g Release 3 (10.1.3.30)
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Table of Contents



Chapter 1: Introduction

Overview	1-1
About This Guide	1-1
Conventions	1-1
PDFWatermark Documentation	1-3
PDF Documentation	1-3

Chapter 2: What's New

Overview	2-1
Product Enhancements	2-1
Documentation Enhancements	2-2

Chapter 3: PDFWatermark Overview

Overview	3-1
About PDFWatermark	3-1
How PDFWatermark Works	3-2
New Metadata Fields	3-2
Static Watermarking	3-2
Dynamic Watermarking	3-2
PDFW Administration Screen	3-2
Configuration Settings	3-3
Templates	3-3
Rules	3-3
Static Watermarking Scenario	3-4
Dynamic Watermarking Scenario	3-5

Chapter 4: Installing PDFWatermark

Overview	4-1
Pre-Installation Tasks and Considerations	4-1
Installing PDFWatermark	4-2
Installing the PDFWatermark Component Using Component Manager	4-2
Installing the PDFWatermark Component Using Component Wizard ..	4-3
Uninstalling PDFWatermark	4-4

Chapter 5: Administering and Using PDFWatermark

Overview	5-1
Using PDFWatermark in Content Server	5-2
Starting PDFWatermark Administration	5-2
Setting Configuration Settings	5-3
Adding Templates	5-3
Editing Templates	5-4
Creating Rules	5-5
Editing Rules	5-5
PDFWatermark Administration Screens	5-6
PDFWatermark Administration	5-6
Add New/Edit Template Screen	5-7
Add New/Edit Text Watermark Screen	5-9
Add New/Edit Image Watermark Screen	5-11
Add New/Edit Rule Screen	5-12
Configuration Screen	5-14

Appendix A: Template File Architecture

Overview	A-1
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Appendix B: Third Party Licenses

Overview	B-1
Apache Software License	B-1
W3C® Software Notice and License	B-2
Zlib License	B-3
General BSD License	B-4
General MIT License	B-5
Unicode License	B-5
Miscellaneous Attributions	B-6

INTRODUCTION

OVERVIEW

This section contains the following topics:

- ❖ [About This Guide](#) (page 1-1)
- ❖ [Conventions](#) (page 1-1)
- ❖ [PDFWatermark Documentation](#) (page 1-3)

ABOUT THIS GUIDE

This guide provides all information required to install, set up, administer and use PDFWatermark version 10gR3.

CONVENTIONS

The following conventions are used throughout this guide:

- ❖ Forward slashes (/) are used to separate parts of an Internet address. For example, <http://www.google.com/maps>. A forward slash might or might not appear at the end of an Internet address.
- ❖ Backward slashes (\) are used to separate the levels in a path to a Windows server, directory, or file. For example, C:\ibr\refinery\. A backward slash will always appear

after the end of a Windows server, directory, or file path. For UNIX/Linux, reverse slash direction.

- ❖ File names and file paths within text are indicated by the following convention:
<filename> file in the <path_to_directory> directory.
- ❖ The notations <content_server_install_dir>, <cs_install_dir>, <install_dir> are used to refer to the location of the main Content Server installation directory.

Notes, technical tips, important notices, and cautions use these conventions:

Symbols

The following symbols are used throughout this document:

Symbols	Description
	This is a note . It is used to bring special attention to information.
	This is a technical tip . It is used to identify information that can be used to make your tasks easier.
	This is an important notice. It is used to identify a required step or required information.
	This is a caution . It is used to identify information that might cause loss of data or serious system problems.

PDFWATERMARK DOCUMENTATION

PDF Documentation

The PDFWatermark documentation is available as a set of PDF files. All of the PDF files are included with the Content Server software installation files. PDF files of guides are also installed along with the Content Server software:

- ❖ To view the PDF files from the content server computer file system, go to the following directory:

<install_dir>\weblayout\help\documentation\install_admin_pdfw_10en

WHAT'S NEW

OVERVIEW

This section covers the following topics:

- ❖ [Product Enhancements](#) (page 2-1)
- ❖ [Documentation Enhancements](#) (page 2-2)

PRODUCT ENHANCEMENTS

- ❖ PDF Watermark has been redeveloped for Content Server version 10gR3. In previous releases, watermarking was performed by two separate products. Dynamic watermarking was performed from the Content Server and Watermarking (static) was performed by the Inbound Refinery. PDFWatermark 10gR3 watermarking is performed differently after conversion than in previous releases; it now uses one component and one user interface to manage both static and dynamic watermarks.
- ❖ PDFWatermark 10gR3 features a PDFW Administration screen in which you can define the rules that determine which template, if any, gets applied to a specific PDF content file.
- ❖ You can also create and modify the templates themselves, as well as configure the default, metadata values for templates.
- ❖ Beginning with this version, PDF Watermark uses a web server filter plug-in, which detects static URL requests for .pdf files, and sets the isproxiedpath bit in the request header. This, in turn, causes CS to execute a GET_DYNAMIC_URL service, during

which the content is tested against the watermarking rules and a watermark is conditionally applied. The original content is not modified.

DOCUMENTATION ENHANCEMENTS

The following documentation enhancements have been made for PDFWatermark version 10gR3:

❖ **Reorganized Documentation Set**

The PDFWatermark documentation set has been reorganized and now contains the following documents:

- *PDFWatermark Installation and Administration Guide*—provides all information required to install, set up, administer, and use PDFWatermark version 10gR3.
- *PDFWatermark Release Notes*—provides the most current considerations for installing and administering PDFWatermark version 10gR3.

❖ **Documentation Updated for the New Interface**

The PDFWatermark documentation set has been updated to cover the redeveloped component's functionality and the new administration interface.

PDFWATERMARK OVERVIEW

OVERVIEW

This section covers the following topics:

- ❖ [About PDFWatermark](#) (page 3-1)
- ❖ [How PDFWatermark Works](#) (page 3-2)

ABOUT PDFWATERMARK

PDFWatermark is an optional add-on to Content Server. It enables watermarks to be applied to PDF files generated by the Inbound Refinery's PDFConverter component (static) and returned to the content server. Existing PDF files, already residing on the content server can also be watermarked (dynamic).

Dynamic watermarks are generated on-the-fly and can contain variable information (for example, user name, date and time of download, or file name). System administrators can define variables and set up specific conditions for generating dynamic watermarks.

PDFWatermark can also add security features to PDF files as they are downloaded for viewing. Access settings can be enabled or disabled, such as printing or modifying the file.

HOW PDFWATERMARK WORKS

New Metadata Fields

The installation automatically creates a TemplateType metadata field with an associated option list, and a TemplateID field, which is used for static watermarking. Currently there is only one TemplateType, the default PDFW_Template.

Static Watermarking

Static Watermarking is conducted in cooperation with Inbound Refinery (IBR) and PDFConverter (PDFC). Only content which is converted to PDF by the PDFConverter can be watermarked. You can request a static watermark for content that you expect to be converted to PDF by entering a valid PDFWatermark Template ID (dDocName) in the xPdfwTemplateID metadata field during checkin.

Content checked in by an automated process, for example WebDAV or BatchLoader, can also be given a static watermark, subject to the IBR/PDFC restriction described above and provided the xPdfwTemplateID field contains a valid template ID.

Dynamic Watermarking

Dynamic Watermarking of PDF content is rules-based. The PDFWatermark Administration screen is provided to define rulesets via the Rules tab. If a given request for a PDF document satisfies one of the pre-defined rules, the template associated with that rule is used to watermark a copy of the content before the copy is returned to the requesting user; only the weblayout form will be watermarked, the original PDF file is unchanged in its vault location.

PDFW Administration Screen

This version of PDFWatermark contains a PDFW Administration screen in which you can define the rules that determine which template, if any, gets applied to a specific PDF content file. You can also create and modify the templates themselves, as well as configuring the default metadata values for templates.

Configuration Settings

When you create a new template, it is checked in as a managed object.

You can use the Configuration tab to set the default metadata field values for the automatic template checkin process.

If there are defined, required metadata fields for your Content Server instance, you must use the Configuration tab to define suitable values for these fields. You must define these values prior to creating a template.

Templates

Templates are managed objects, and must be checked in before they can be used. When a new template is created and you click OK, the template is checked in using the default metadata you define on the Configuration tab. When you modify an existing template, and click OK, the existing template is checked out of content server, and it is checked back into content server using the current metadata..

Because the template is a managed content item, you can change the default metadata on the Information page for the content item.

Templates can contain text watermarks, image watermarks, or both. Users can identify templates during check in of items that will be statically watermarked after conversion by PDFConverter in the Inbound Refinery.

You must check in templates prior to configuring rules, because rules are used to determine which watermark template is applied to the content when Dynamic watermarking is performed.

Rules

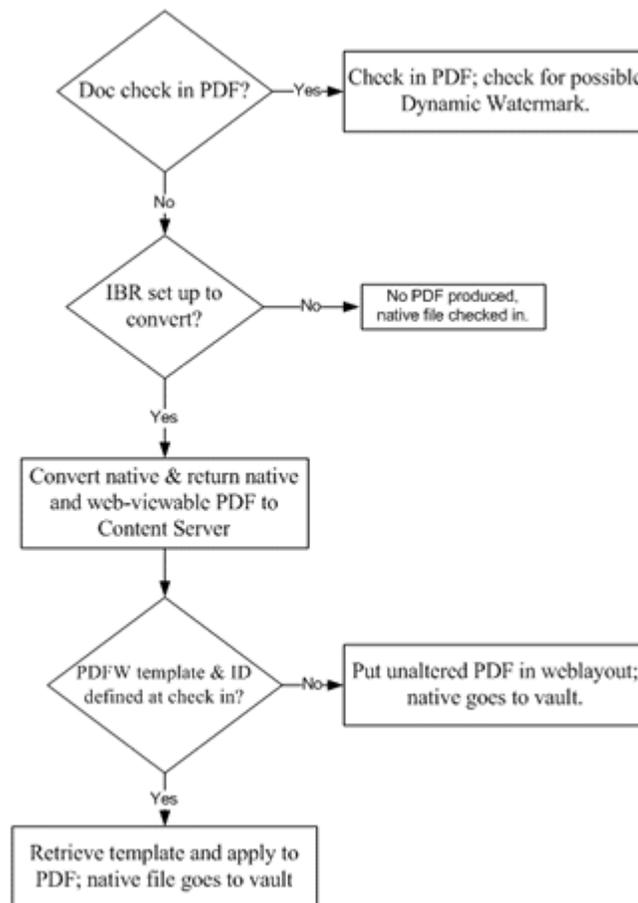
Rules determine which template, if any, gets applied to a specific PDF content file. The order in which the rules are tested may be significant, depending on the criteria used. Generally rules should be ordered with the most specific tests first in the list, and more general ones subsequent. You use **Move Up** and **Move Down** buttons to accommodate this.

The higher the rule on the list, the higher the precedence. For example, you have rule1 which is dDocType=ADCORP and you also have rule2 which is dDocAuthor=sysadmin. If sysadmin checks in a content of dDocType=ADCORP, rule1 will be used if it is positioned above rule2. However, rule2 will be used if it is first on the list.

STATIC WATERMARKING SCENARIO

Content Server receives processed content from the Inbound Refinery. The Inbound Refinery in use must have PDFConverter installed, enabled, and configured to convert the necessary file formats into PDF.

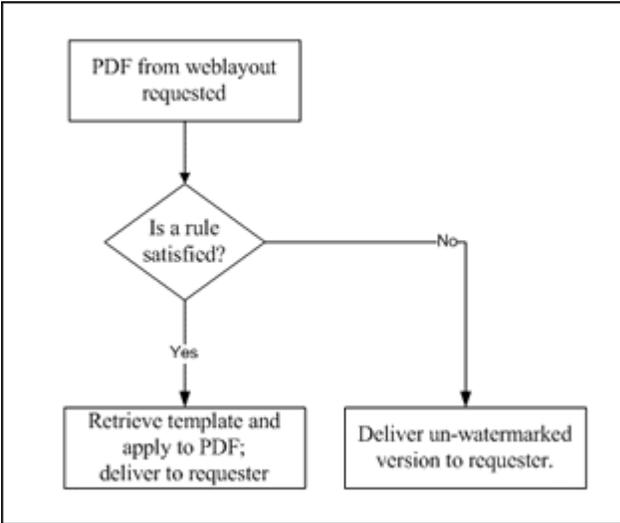
When a document is checked in, for example a word document, the native file is rendered into PDF by the PDFConverter. When the PDF file is presented to the Content Server, the watermark template selected during the content checkin is applied. Previous versions of watermarking required the user to define a number of field variables, such as page size, font, orientation, and others upon checkin. Watermark elements are now pre-defined in the template used to watermark the incoming PDF. The watermark is applied and is delivered to requesters with disregard to rules. Rules-based watermarking (Dynamic) can also be applied to the rendered pdf, after the fact.



DYNAMIC WATERMARKING SCENARIO

When a web-viewable PDF is requested by a user, a check is performed, based on the defined rulesets, to determine whether a watermark (if any) is to be applied to the web-viewable PDF delivered to the requestor.

If a given request for a PDF document satisfies a pre-defined rule, the template associated with that rule is used to watermark a copy of the content before the copy is returned to the requesting user.



INSTALLING PDFWATERMARK

OVERVIEW

This section covers the following topics:

- ❖ [Pre-Installation Tasks and Considerations](#) (page 4-1)
- ❖ [Installing PDFWatermark](#) (page 4-2)
- ❖ [Uninstalling PDFWatermark](#) (page 4-4)

PRE-INSTALLATION TASKS AND CONSIDERATIONS

Make sure that you read, understand, and comply with each of the following tasks and considerations before installing the PDFWatermark components:

- The PDFWatermark component may be installed on any supported Content Server platform.
- PDFWatermark version 10gR3 requires Content Server 10g Release 3 (10.1.3.3.0) or later versions.
- Due to the technical nature of operating systems, web servers, and browsers, Oracle, Inc. cannot warrant compatibility with all versions and features of third-party products.

INSTALLING PDFWATERMARK

The PDFWatermark is delivered as a component. The component is installed on the content server. This section covers the following topics:

- ❖ [Installing the PDFWatermark Component Using Component Manager](#) (page 4-2)
- ❖ [Installing the PDFWatermark Component Using Component Wizard](#) (page 4-3)
- ❖ [Uninstalling PDFWatermark](#) (page 4-4)

Installing the PDFWatermark Component Using Component Manager

To install the PDFWatermark component using Component Manager, complete the following steps:

1. Open a new browser window, and log into the content server that is running the Admin Server for the content server as a system administrator.
2. Launch the Admin Server.
3. On the Content Admin Server page, click the button of the content server where you want to install the PDFWatermark component.
The status page for the content server is displayed.
4. In the option list for the content server, click the **Component Manager** link.
The Component Manager page is displayed.
5. Click the **Browse** button next to the **Install New Component** field.
6. Navigate to the PDFWatermark component on the content server distribution media (*PDFWatermark.zip*) select it, and close the file selection dialog.
7. Double click the component zip file or select the component zip file, and click **Open**.
8. Click **Install**. An overview page is displayed providing a list of the items that will be installed.
9. Click **Continue**. All required files are now installed. This might take a few minutes.
10. After all files have been copied, a message is displayed stating that the component was uploaded and installed successfully.

11. Click the link to enable the component and restart the content server.

The status page for the content server is displayed.

12. Click the restart button to restart the content server.
13. Restart the web server.
14. From the Admin page, restart the content server.
15. From the Actions menu, select **Publish dynamic layout files**.
16. From the Actions menu, select **Publish static layout files**.

Installing the PDFWatermark Component Using Component Wizard

To install the PDFWatermark component using Component Wizard, complete the following steps:

1. Start Component Wizard:
 - ❖ In Windows, choose **Start—Programs—Stellent Content Server—<refinery>—Utilities—Component Wizard**.

The Component Wizard main screen and the Component List screen are displayed.



Note: For Content Servers hosted on UNIX, navigate to the `<install_dir>/bin` directory. At the command prompt, type `ComponentWizard`.

2. Click **Install**. The Install dialog is displayed.
3. Click **Select** and navigate to the PDFWatermark component on the Content Server distribution media (*PDFWatermark.zip*).
4. Double-click on the zip file or click **Open**. The Install list displays the files that will be installed.
5. Click **OK**. All required files are now installed. This might take a few minutes.
6. After all files have been copied, you are prompted to confirm enabling the component. Click **Yes**.
7. Close Component Wizard.
8. Restart the content server.
9. Restart the web server.
10. From the Admin page, restart the content server.

11. From the Actions menu, select **Publish dynamic layout files**.
12. From the Actions menu, select **Publish static layout files**.

UNINSTALLING PDFWATERMARK

To uninstall the PDFWatermark component, perform these tasks:

1. Disable and uninstall the PDFWatermark component using the Component Manager.
2. Restart the content server
3. Restart the web server.
4. From the Admin page, restart the content server.
5. If desired, delete the following directories installed by this component:
 - `<cs_install_dir>/custom/PDFWatermark`

ADMINISTERING AND USING PDFWATERMARK

OVERVIEW

The information in this chapter contains the procedures necessary to use all of the features of the PDFWatermark component. This section covers the following topics:

- ❖ [Using PDFWatermark in Content Server](#) (page 5-2)
- ❖ [Starting PDFWatermark Administration](#) (page 5-2)
- ❖ [Setting Configuration Settings](#) (page 5-3)
- ❖ [Adding Templates](#) (page 5-3)
- ❖ [Editing Templates](#) (page 5-4)
- ❖ [Creating Rules](#) (page 5-5)
- ❖ [Editing Rules](#) (page 5-5)

Interfaces

- ❖ [PDFWatermark Administration](#) (page 5-6)
- ❖ [Add New/Edit Template Screen](#) (page 5-7)
- ❖ [Add New/Edit Text Watermark Screen](#) (page 5-9)
- ❖ [Add New/Edit Image Watermark Screen](#) (page 5-11)
- ❖ [Add New/Edit Rule Screen](#) (page 5-12)
- ❖ [Configuration Screen](#) (page 5-14)

Using PDFWatermark in Content Server

For content items to be processed by PDFWatermark, the administrator must develop and manage watermark templates, set and define rules, and set criteria.

Dynamic Watermarking of PDF content is rules-based. If a given request for a PDF document satisfies a pre-defined rule, the template associated with that rule is used to watermark a copy of the content before the copy is returned to the requesting user. Only the copy returned to the user is watermarked; the original PDF file in weblayout is unchanged.

Static Watermarking is conducted in cooperation with Inbound Refinery (IBR) and PDFConverter (PDFC). Only content that is converted to PDF by the PDFConverter can be statically watermarked. You can request a static watermark for content which you intend to be converted to PDF by entering a valid PDFWatermark Template ID (dDocName) in the metadata field during checkin.

Starting PDFWatermark Administration

Template, Rules and Configuration definitions for PDFWatermark are managed in Content Server using the PDFWatermark Control Center. To make changes, perform these tasks:

1. Make sure you are logged into Content Server as an administrator.
2. In the navigation menu, select **Administration—PDFWatermark Administration**.
The PDFWatermark Administration page is displayed.
3. Click the PDFWatermark Administration icon. The PDFWatermark Administration screen is launched.

Setting Configuration Settings

When you create a new template, the template is checked in as a managed object.

You can use the Configuration tab set the default metadata field values for the automatic template checkin process.

If there are defined required metadata fields for your Content Server instance, you must use the Configuration tab to define suitable values for those fields. You must define these values prior to creating a template. Once the templates are checked in, you may use Update or any similar process to modify the metadata values for an existing template.

To define specific metadata fields for template checkin, perform these tasks:

1. Select the Configuration tab.
2. Highlight the Field Name and Value pair to define/edit.
3. Click **Edit**.
4. Set the value to be applied for the Field name selected.
5. Click **Apply**.

Adding Templates

To add a template perform these tasks:



Note: Templates must be in place prior to configuring rules, because rules determine which watermark template is applied to the content.

1. Select the Templates tab.
2. Click **Add**
3. Name your template; and give it a meaningful content ID.
4. Set security if desired; if security is set, then enter passwords.



Note: The User password permits the opening and viewing of the PDF. The Owner password permits control over printing and copying, and viewing.

The Owner and User security passwords may contain substitution tokens, such as \$DATES\$ or \$\$xMyPDFSecurityPassword\$\$\$. The tokens are replaced with the indicated value before the watermark is applied.

5. Set to allow, disallow, or degraded printing.

6. Set to allow or disallow copying.
7. If watermarks are desired, add a text watermark, an image watermark, or both.

For a text watermark, perform these tasks:

- a. In the Text Watermarks Summary click **Add**.
- b. Enter the text for the watermark.
- c. Set all other values as desired for the text watermark. See [Add New/Edit Text Watermark Screen](#) (page 5-9) and its accompanying table for details on settings

For an image watermark, perform these tasks:

- a. In the Image Watermarks Summary, click **Add**.
- b. Enter the content ID of the desired image object.



Note: The image watermark must be a managed content item on the content server.

- c. Set all other values as desired for the image watermark. See [Add New/Edit Image Watermark Screen](#) (page 5-11) and its accompanying table for details on settings.

8. Apply your changes.

Editing Templates

To edit a template perform these tasks:

1. Select the Templates tab.
2. Select the template from the list of templates.
3. Click **Edit**.
4. Make your changes to the text and image watermarks, similarly to the way they were initially defined. See [Adding Templates](#) (page 5-3).
5. Apply your changes.

Creating Rules

Rules determine which template, if any, gets applied to a specific PDF content file; that is, content that already exists in PDF form. When a request is made for the web-viewable PDF, the rules are applied to the request, and based on the rules criteria, a watermark may be applied.

The higher the rule on the list, the higher the precedence. For example, you have rule1 which is dDocType=ADCORP and you also have rule2 which is dDocAuthor=sysadmin. If sysadmin checks in a content of dDocType=ADCORP, rule1 will be used if it is positioned above rule2. However, rule2 will be used if it is first on the list.

To add a rule perform these tasks:

1. Select the Rules tab.
2. Click **Add**.
3. Enter the rule name in the appropriate text box and select a watermarking template from the choice box.
4. Set the rule conditions by adding criteria.



Note: Rules criteria are case-sensitive. If a criteria is defined for a rule, using lower case for dDocname, and the Content ID is returned from the content server in upper case, the rule will fail.

5. Click **OK**.

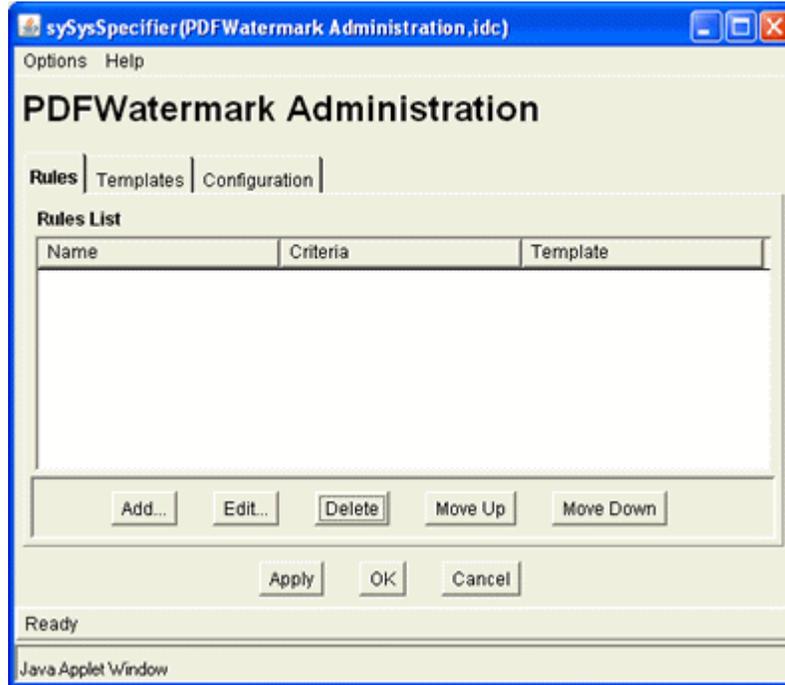
Editing Rules

The order in which the rules are tested may be significant, depending on the criteria you use. In general, you should order your rules with the most specific tests (number of criteria) high in the list, and the more general ones (fewer criteria) lower down. There are “Move Up” and “Move Down” buttons for this purpose.

1. Select the Rules tab.
2. Select the rule to be edited, and click **Edit**.
The Edit Rules dialog is displayed.
3. Select the Criteria/Values pair to be edited, and click **Edit**.
4. Edit the value in the Edit Criteria dialog, and click **OK**.

PDFWatermark Administration Screens

PDFWatermark Administration



Administration screen Tabs	Description
Rules	Use the rules tab to define a rule or ruleset, which determines which content is dynamically watermarked, upon user request
Templates	Use the Templates tab to design and edit templates. Templates are checked into content server as managed content items. Templates may be used for either static or dynamic watermarking. Templates are stored as .hda files.
Configuration	Use the Configuration tab to set default values for metadata fields for the templates that are created via the PDFW Administration screen.

Add New/Edit Template Screen

Add New Template

Title Content ID

Security Level NONE

User Password

Owner Password

Allow Print YES

Allow Copy YES

Text Watermarks Summary

Text	Location	Layer	Pages
------	----------	-------	-------

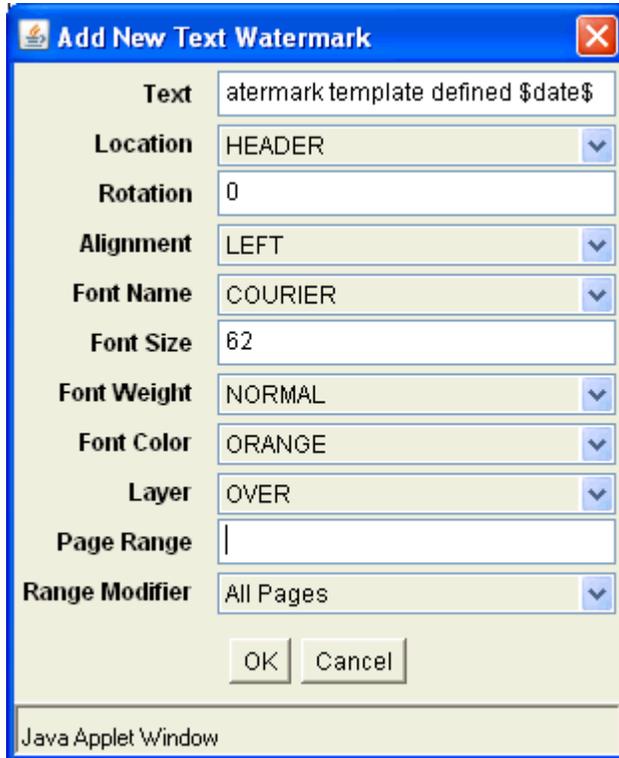
Image Watermarks Summary

Image	Location	Layer	Pages
-------	----------	-------	-------

Java Applet Window

Field	Description
Title	The Template title
Content ID	Content ID for this template.
Security Level	Set to NONE, 40, or 128. 40 and 128 signify the level of bit encryption. Default is NONE.
User Password	When security is applied, this password is required to view the PDF. No modification of the PDF is allowed.
Owner Password	When security is applied, this password permits the user to modify the PDF passwords, permissions, and security level.
Allow Print	Set to YES to allow printing, NO to disallow, or DEGRADED.
Allow Copy	Set to YES to allow copying, NO to disallow.
Text Watermarks Summary	Enables users to create, edit, or delete text watermarks for this template.
Image Watermarks Summary	Enables users to specify image watermarks, and edit or delete them.
OK	Applies the selections made, saves the template, and exits the screen.
Cancel	Cancels the selections made and exits the screen.

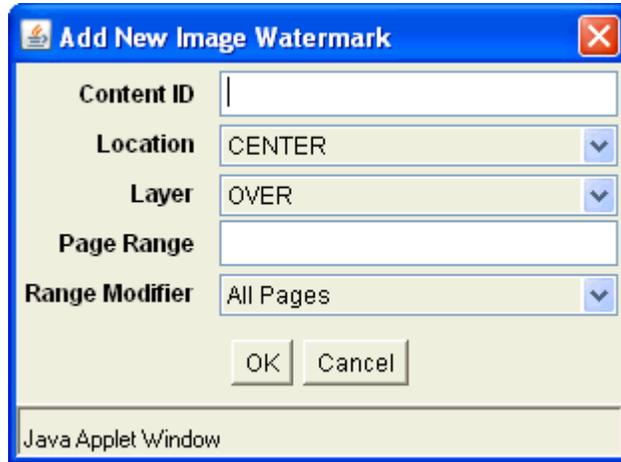
Add New/Edit Text Watermark Screen



Field	Description
Text	Text to appear in the watermark. The text may include embedded symbols.
Location	Location where the watermark appears. Choices are CENTER, HEADER, FOOTER, with CENTER as the default.
Rotation	0 through 359 degrees CCW.
Alignment	Alignment of the watermark is selected here. Choices are: ALIGN LEFT, ALIGN RIGHT, ALIGN CENTER.
Font Name	Current fonts available are COURIER, TIMES ROMAN, HELVETICA, SYMBOL, ZAPFDINGBATS, with COURIER the default.

Field	Description
Font Size	The size of the font in the watermark. Values are: 8, 9, 10, 11, 12, and so on.
Font Weight	The weight of the font in the watermark. Choices are NORMAL, BOLD, ITALIC, BOLDITALIC.
Font Color	BLACK, BLUE, CYAN, DKGRAY, GRAY, GREEN, LTGRAY, MAGENTA, ORANGE, PINK, RED, WHITE, YELLOW.
Layer	Places the watermark in the layer either OVER or UNDER the text. Default is OVER.
Page Range	Pages number ranges to watermark, for example 1,2,4,10:15,19, 4:LAST. Ranges are indicated with a colon. When left blank the watermark includes all pages.
Range Modifier	<p>Set the Range Modifier to one of the following:</p> <ul style="list-style-type: none"> ❖ All Pages ❖ Even Pages Only ❖ Odd Pages Only <p>The Range Modifier only affects pages described in a range. Individually specified pages will be watermarked regardless of the modifier setting.</p>

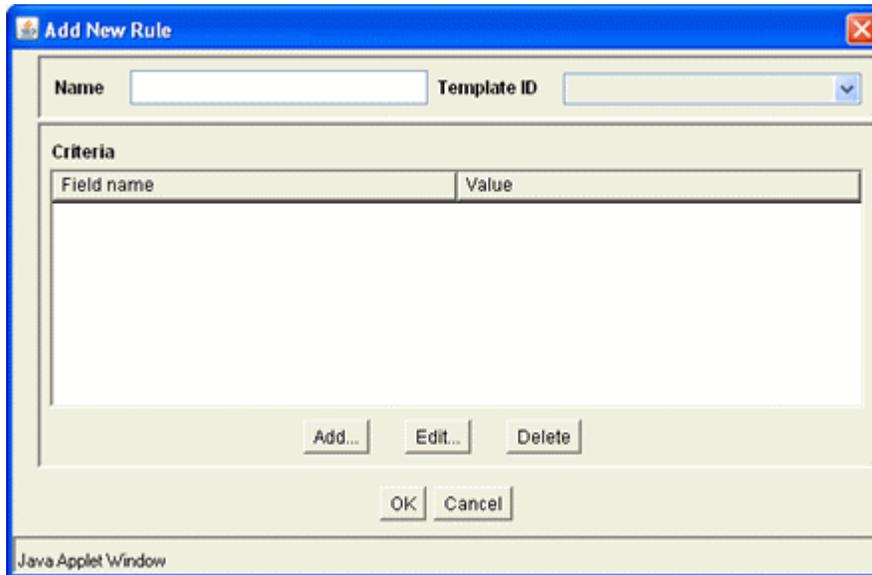
Add New/Edit Image Watermark Screen



	Description
Content ID	The Content ID of the image to be applied as a watermark.
Location	CENTER, HEADER, FOOTER
Page Range	Pages number ranges to watermark, for example 1,2,4,10:15,19, 4:LAST. Ranges are indicated with a colon. When left blank the watermark includes all pages.
Range Modifier	<p>Set the Range Modifier to one of the following:</p> <ul style="list-style-type: none"> ❖ All Pages ❖ Even Pages Only ❖ Odd Pages Only <p>The Range Modifier only affects pages described in a range. Individually specified pages will be watermarked regardless of the modifier setting.</p>

Add New/Edit Rule Screen

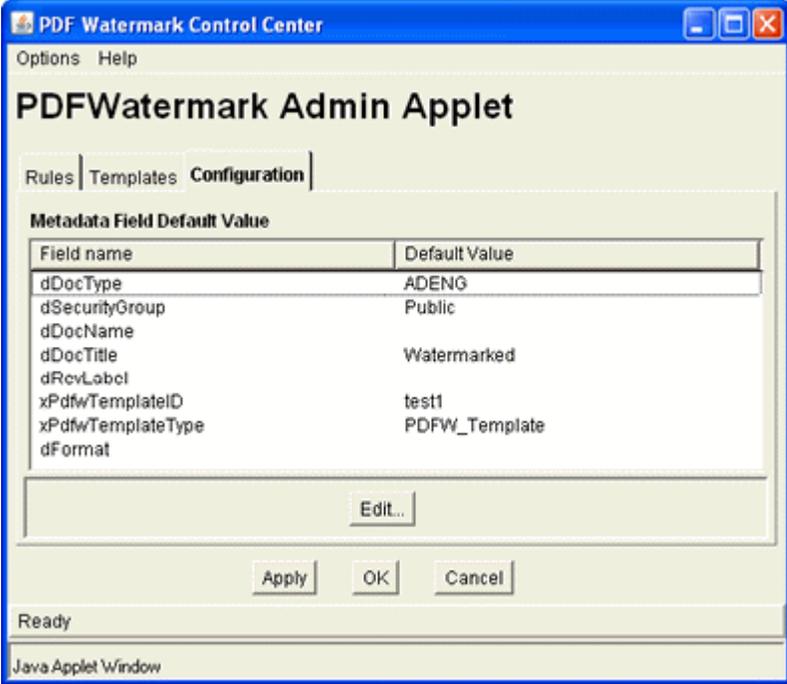
 **Note:** The Edit Rule screen has a dropdown list of previously defined templates.



Field	Description
Name	Rule Name
Template ID	Template Content ID

Field	Description
Add	<p>Adds new criteria to the rule. Specify a value for any or all of the available criteria. The criteria metadata fields are as follows:</p> <ul style="list-style-type: none"> • dDocName • dDocTitle • dDocAuthor • dDocType • dSecurityGroup • dRevLabel • xPdfwTemplateId • xPdfwTemplateType • dFormat
Edit	Permits editing of the individual criteria as previously defined.
Delete	Deletes the selected criteria from the list
OK	Saves the changes and exits the screen.
Cancel	Discards the changes and exits the screen.

Configuration Screen



Field	Description
Edit	Permits the user to specify a value for any or all of the metadata default values. The metadata fields are as follows: <ul style="list-style-type: none"> dDocType dSecurityGroup dDocName dDocTitle dRevLabel xPdfwTemplateID xPdfwTemplateType dFormat
Apply	Applies the changes to the metadata.

Field	Description
OK	Applies the changes to the metadata and exits the screen.
Cancel	Exits the screen without applying any changes to the the metadata.



TEMPLATE FILE ARCHITECTURE

OVERVIEW

Template files are managed content items and are stored as .hda files. The .hda template files can be edited outside of the PDFW Administration applet using any text editor to change fields to a legal value.

The .hda file architecture takes the following form:

Template Layout

=====

LocalData Fields

```
pdfwTemplateVersion= ["1.0" for this release]
pdfwSecurityLevel= 128 | 40 | NONE [128 and 40 refer to encryption key lengths]
pdfwUserPassword= [string - required if Security Level is 40 or 128 - may include
embedded symbols]
pdfwOwnerPassword= [string - required if Security Level is 40 or 128 - may
include embedded symbols]
pdfwAllowPrinting= YES | NO | DEGRADED
pdfwAllowCopy= YES | NO
```

ResultSet PdfwTextWatermarks

11

text [see below]

location CENTER | HEADER | FOOTER

rotation 0 through 359 degrees CCW

alignment ALIGN_LEFT | ALIGN_RIGHT | ALIGN_CENTER

fontName COURIER | TIMES_ROMAN | HELVETICA | SYMBOL | ZAPFDINGBATS

Template File Architecture

```
fontSize 8 | 10 | 12 | ...
fontWeight NORMAL | BOLD | ITALIC | BOLDITALIC
fontColor RED | BLACK | BLUE | YELLOW | ...
layer OVER | UNDER
pageRange page number ranges to watermark, e.g. 1,2,4,10:15,19, 4:LAST
pageRangeModifier ALL | ODD_ONLY | EVEN_ONLY
```

```
ResultSet PdfImageWatermarks
5
imageID dDocName for image
location CENTER | HEADER | FOOTER
layer OVER | UNDER
pageRange page number ranges to watermark, e.g. 1,2,4,10:15,19, 4:LAST
pageRangeModifier ALL | ODD_ONLY | EVEN_ONLY
```

Text Watermarks

=====

Normal string with embedded, escaped metasymbols including:

```
$PAGE$
$DATE$
$TIME$
$USER$ name of requesting user
$$dDocName$$
$$dDocType$$
$$dAuthor$$
$$xComments$$
... etc ... various other DOC_INFO type metadata field values
```

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ZLIB LICENSE

* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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PDFWatermark component
installing with Component Manager, 4-2

C

component
installing the PDFWatermark component using
Component Manager, 4-2

Component Manager
using to install the PDFWatermark component, 4-2

Component Wizard
using to install the PDFWatermark component, 4-3

components
installing the PDFWatermark component using
Component Wizard, 4-3

content servers
setting up for PDFWatermarking, 5-2

D

documentation
enhancements for PDFWatermark10gR3, 2-2
forPDFWatermark, 1-3

Dynamic Watermark
definition of watermarks, 3-1

Dynamic Watermarking, 3-2

E

enhancements
to the PDFWatermark 10gR3 documentation, 2-2
to the PDFWatermark 10gR3 product, 2-1

I

installation
of PDFWatermark component using Component
Wizard, 4-3
of PDFWatermarkcomponent using Component
Manager, 4-2

P

PDF documentation, for PDFWatermark, 1-3

PDFWatermark
configuring in content server, 5-2
documentation enhancements for 10gR3, 2-2
documentation for, 1-3
overview, 3-1
PDF documentation for, 1-3
product enhancements for 10gR3, 2-1

PDFWatermark component
installing with Component Wizard, 4-3
product enhancements, for PDFWatermark 10gR3, 2-1

S

Static Watermarking, 3-2

W

Watermarks
definition of dynamic, 3-1

