JDF Workflow Planner

Reference Guide

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About this reference guide

The *JDF Workflow Planner reference guide* describes how to create new or modify existing workflow templates for use with Prinergy software on the Kodak NexPress digital production color press.

Software version

This document is valid as of version 3.4.0 of Kodak NexStation front end software.

Prerequisites

This documentation assumes that all the hardware, software, and network components of both your Kodak NexStation front end and your Kodak NexPress digital production color press are installed, configured, and operating correctly.

Operators of the press must have attended an appropriate authorized training course for operators of Kodak NexPress digital production presses. For more information on such courses, please contact your local sales representative.

To use this manual, you should:

- have a working knowledge of pre-press operations,
- be familiar with using a personal computer,
- have a basic, working knowledge of the Windows 2000® operating system and Local Area Networks.

This tool is compatible with the following software platforms: Windows XP®, Windows 2000®, Windows 2003®, and Macintosh OS X®.

Symbols and styles in this reference guide

The following typographical conventions are used in this guide:

- Cross-references to other chapters and sections are underlined and, on the monitor, appear in blue.

  Example:
  Refer to the section Symbols and styles in this reference guide.

- *Italics* are used to indicate references to other manuals, menus, names of functions, hardware conditions, switch settings, and system messages.

  Example:
  Move the switch to *off*.

- `Andale Mono` is used to indicate entries to be made by the user.

  Example:
  Type `12` in this field.

- **`Andale Mono bold`** is used to indicate output on the monitor.

  Example:
  When editing a Job Ticket Template, the title bar will state:

  `Job Ticket Template Settings`

- Menus, functions and submenus are separated from one another by a “>”.

  Example:
  Choose *File > Open...*

- A plus sign is used to indicate that several keys have to be pressed at the same time.

  Example:
  Press `Alt+A`

- In an operating sequence with numbered steps to be performed, optional steps or steps which are only necessary under certain conditions are indicated by parentheses around the number of the step, e.g. (3.)

Important information

Important information in the text is marked by symbols which indicate the following:



Warning: Contains information that must be taken into consideration to protect the user from injury.



Attention: Contains information that must be taken into consideration to prevent damage to hardware or software.



Note: Contains important general or supplementary information about a specific topic.



Prerequisites: This text contains requirements which must be fulfilled before the steps which follow can be performed.

Your comments on this reference guide

We would like to know if this reference guide meets your requirements:

- Can you find the information you are looking for (and quickly enough)?
- Does it help you to solve any problems which might occur?
- Is the structure of the guide clear to you?
- Where do you think there is room for improvement?
- Did you find any errors in the guide? If so, where? Please feel free to send your comments and suggestions to us at the following e-mail address:

docufeedback@nexpress.com

It would help us if you could write your comments in English or German.



Note: This e-mail address should only be used to send us comments about the guide, **not** the Kodak NexStation software or the Kodak NexPress digital production color press.

Thank you for your help!

Additional documentation

For a more detailed description of each of the common Kodak NexStation front end software features referenced in this tool, please refer to the *Kodak NexStation imposition viewer help*.

NexPress on-line

For more information, go to:

www.nexpress.com

JDF workflow reference guide

Welcome to the on-line reference guide for the JDF Workflow Planner® plug-in.

This guide is provided in PDF format and can be printed directly from the Adobe® Acrobat® application.

Overview

The purpose of this guide is to provide you with information about the features and functionality of the JDF Workflow Planner. It also contains procedures for creating a new template and editing an existing template.

This guide is divided into the following main sections:

- What is the JDF workflow planner? (see page 1–1)
- The JDF workflow process (see page 1–2)
- Using the File, Tools, and Help menus (see page 1–3)
- Describing the user interface (see page 1–6)
- Creating and modifying templates (see page 1–19)

What is the JDF workflow planner?

The JWP (JDF Workflow Planner) is a JAVA-based application that creates JDF workflow templates for the Kodak NexPress 2100 digital production color press. JDF is an important component of the Kodak NexPress digital production color press workflow architecture because it enables end-to-end integration of workflow systems and promotes interoperability through an open industry standard. A key part of any JDF workflow is the operation of creating a Process Plan. The JWP is a user-friendly tool that builds Kodak NexStation front end software Process Plans.

Kodak NexStation front end software, like all JDF devices, has a unique device-dependent JDF process structure that needs to be implemented by any JDF controllers and clients wishing to submit a job to its JDF portal interface. With the JWP, the development, testing, and maintenance for producing Kodak NexPress digital production color press equipment JDF Process Templates is done in one software component without the user having to know anything about the device-dependent JDF process structure of the Kodak NexStation front end software.

The JDF workflow process

The JDF Workflow Planner allows ease-of-use by providing a hot folder JDF-based interface between the Prinergy system and the Kodak NexPress digital production color press.

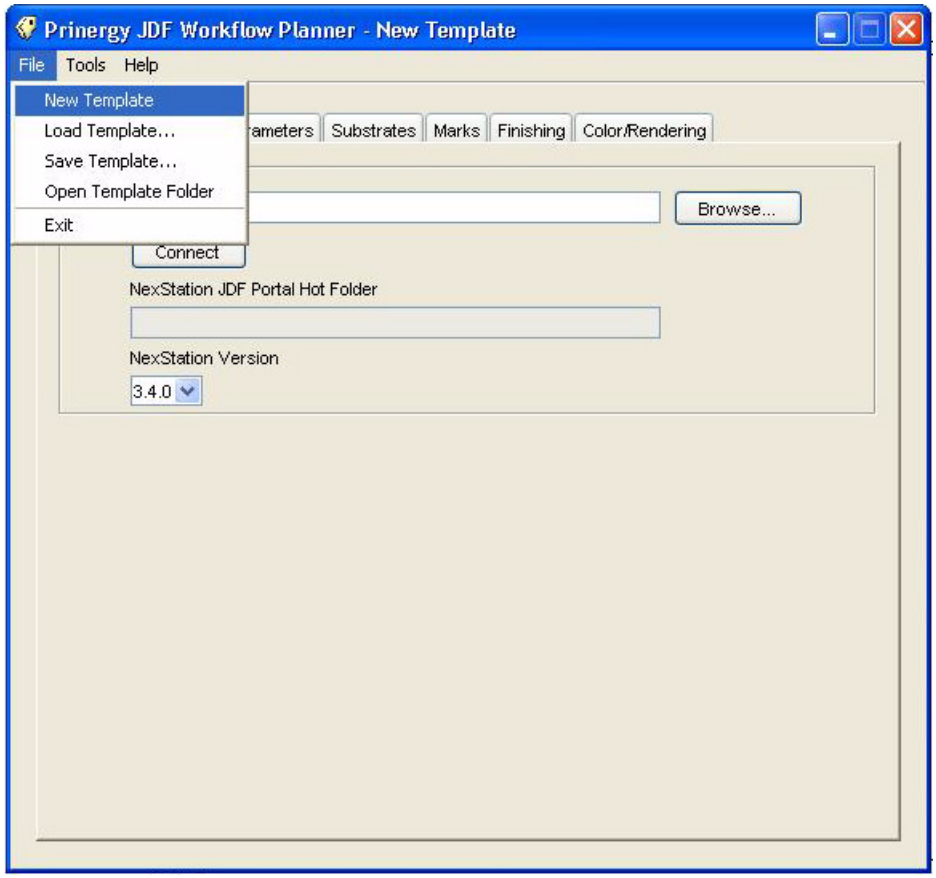
These are the major steps in setting up and submitting a job:

1. Launch the JDF Workflow Planner from within the Prinergy Workshop Client Software.
2. Within Prinergy, specify which device you are printing to: Kodak NexPress 2100 digital production color press.
   - Set up folders on Prinergy for different Kodak NexStation front end software templates.
   - Specify a JDF template.
3. Within the JDF Workflow Planner:
   - Create or edit JDF Job Ticket Templates for the Kodak NexStation front end software. Specify job ticket parameters such as substrate, color, finishing, trim size, and orientation.
   - Save the template.
   - Submit to print from the Prinergy Workshop with the required JDF template.

Using the *File*, *Tools, and Help* menus

File menu

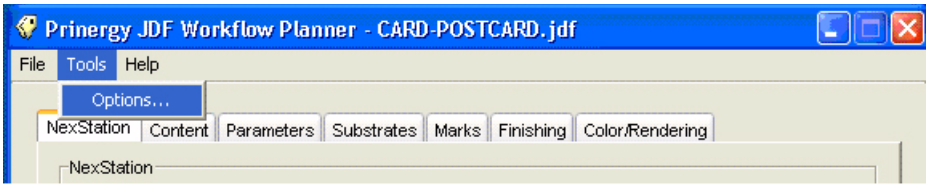
1. From the main menu, select *File* > *New Template* to reset the JDF Workflow Planner to the default settings. Note that the title bar will change to "New Template."



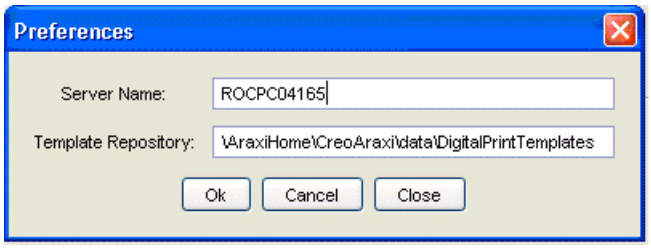
2. To load a template, from the main menu, select *File* > *Load Template*.... A *File Open* browser opens.
3. Navigate to the desired template.
4. Click *Open* to load the template.
5. Click *OK* in the *Load Template* dialog box.
6. To save a template, from the main menu select *File* > *Save Template*.... A *Save* dialog box opens.
7. In the *Save* dialog box, type in the name of the name of the template, and click *Save*. The current parameters will be saved to that template name.
8. To open the template folder, from the main menu, select *File* > *Open Template Folder*. A *File* browser opens which starts in the Prinergy Template Repository. The location of the Prinergy Template Repository can be set using the *Tools* > *Options* menu.
9. To exit the JDF Workflow Planner, select *File* > *Exit*.

Tools menu

1. From the main menu, select *Tools* > *Options*....



The *Preferences* dialog box launches.



2. In the *Server Name* field, type in the name of the Prinergy server being used.
3. In the *Template Repository* field, type in the Template Repository directory path that points to the Prinergy Template Repository.

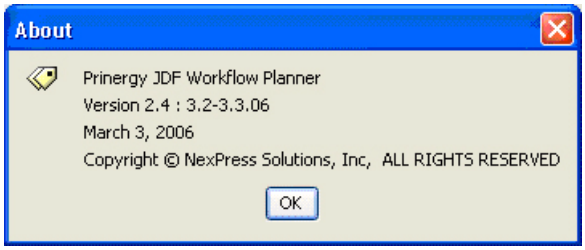
   When you select *File* > *Open Template Folder*, the Template Repository directory path will be displayed.

   NOTE: The Template Repository is the default location for loading, saving, and opening templates.

Help menu

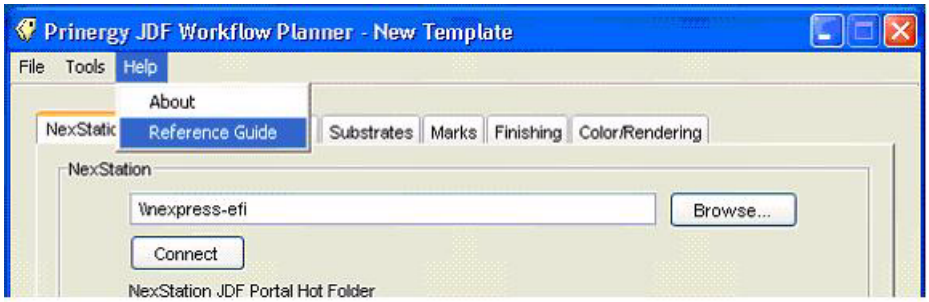
1. From the main menu, select *Help* > *About*.

   The *About* window opens displaying the current JWP version number and copyright information.



2. From the main menu, select *Help* > *Reference Guide*.

   The *JDF Workflow Planner reference guide* opens using Adobe® Acrobat® Reader.

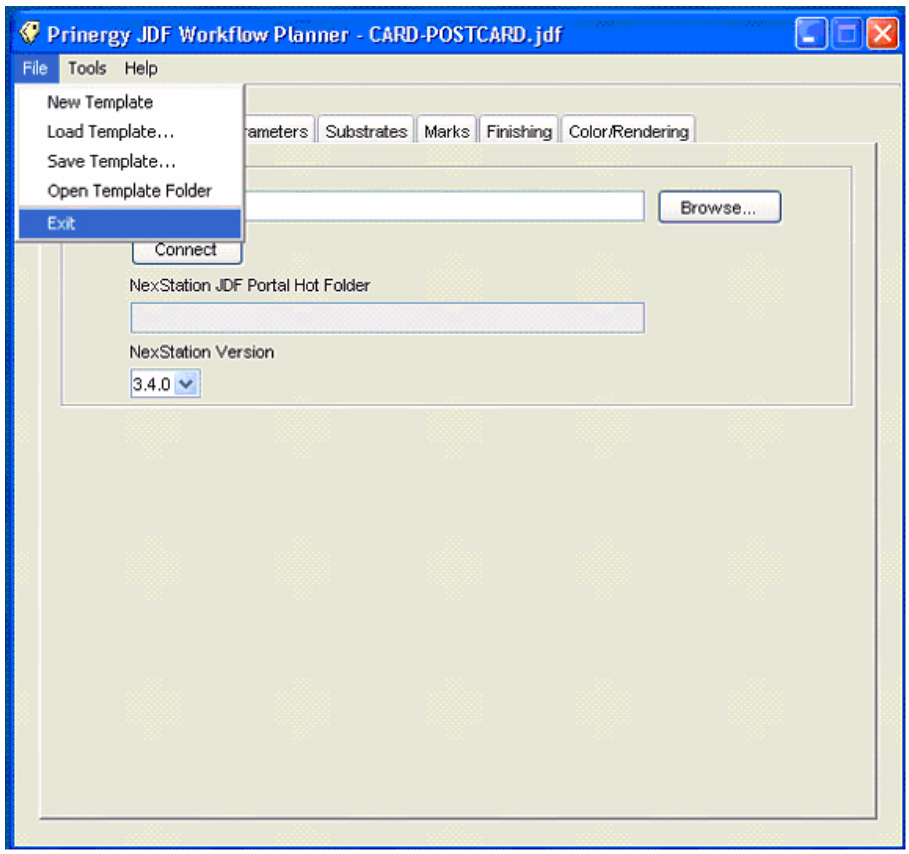


Describing the user interface

The JDF Workflow Planner software consists of a main menu and seven tabs that contain the parameters you will need to create or modify a template.

Main menu

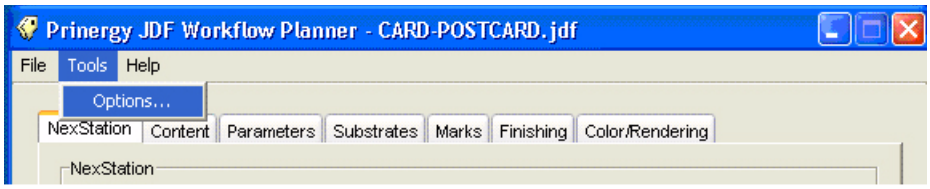
The main menu consists of three drop-down menus: *File*, *Tools*, and *Help*.



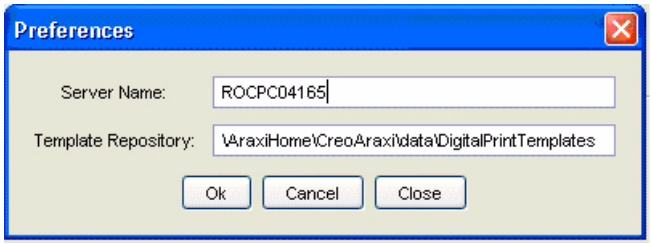
File drop-down menu

New Template	Resets JWP to default settings. The title bar change to *New Template*.
Load Template	Opens a *File Open* browser. If a template is selected, its parameters are loaded in JWP and the title bar changes to include the template name.
Save Template	Opens a *File Save* dialog box allowing the user to save the current parameters to a template name.
Open Template Folder	Opens an independent Explorer window starting in the Prinergy Template Repository. The location of the Prinergy Template Repository can be set using the *Tools* > *Options* drop-down menu. This window is useful for managing the Template Repository. Note: The Prinergy Template Repository is the default location for saving and loading templates.
Exit	Exits JWP.

Tools drop-down menu

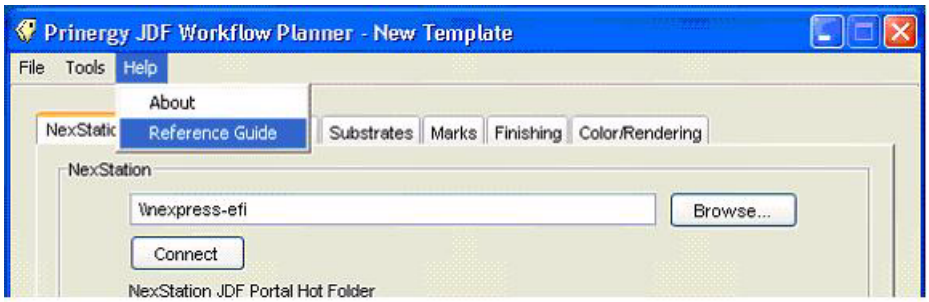


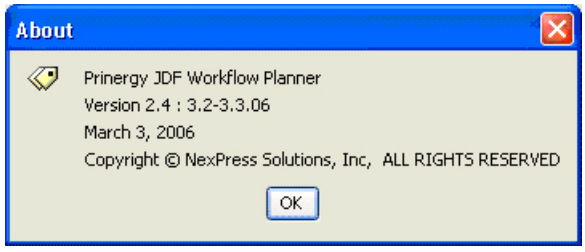
Options — Launches the *Preferences* dialog box.



Preferences — Allows the user to set the Prinergy Server Name and the Template Repository directory path. These values are used by the *Open Template Folder*, *Load Template*, and *Save Template* menu selections.

Help drop-down menu





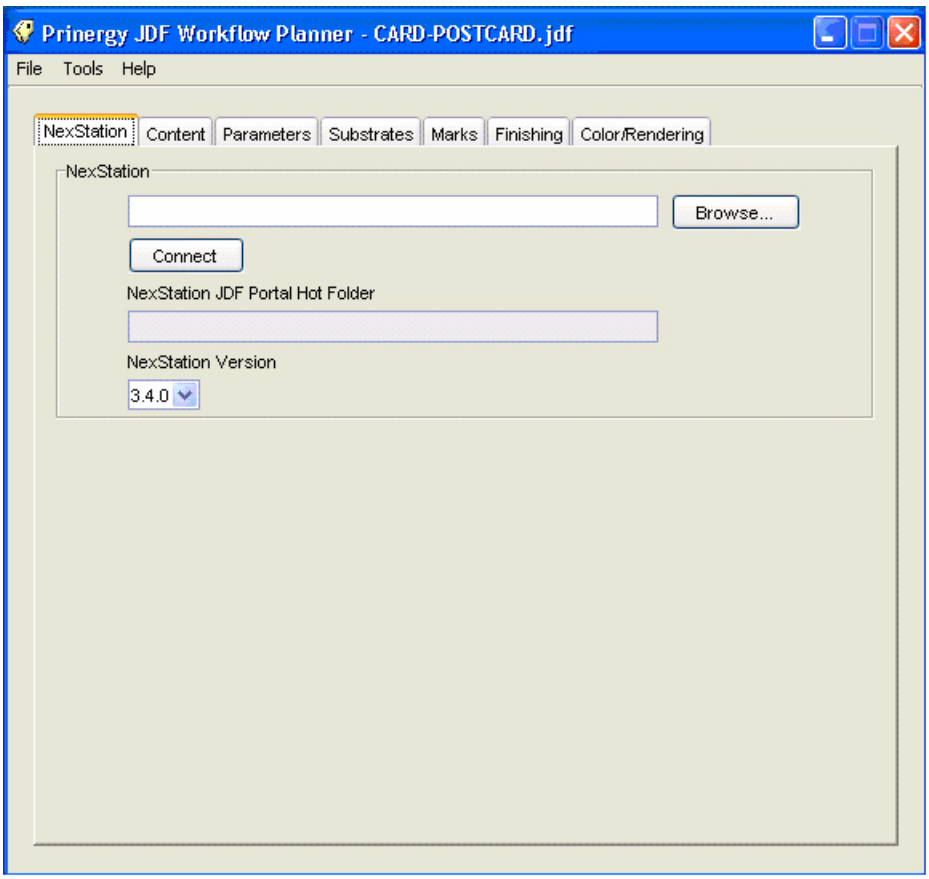
About — Displays the current JWP version number and copyright information.

Reference Guide — Displays the *JDF Workflow Planner reference guide* using Adobe® Acrobat® Reader.

NexStation tab

The NexStation tab contains a field for specifying a specific Kodak NexStation digital production color press from which to read the device capabilities. This file contains the following:

- Available substrates
- Kodak NexStation front end software version number
- ICC (color) profiles
- System default data
- Delivery (Output Bin) options



Note: If no NexStation device is selected or a new template is being created, the JWP uses an internal default device capabilities file to populate the JWP interface. This default is based on the Kodak NexStation front end software.

NexStation input field

Type in the IP address or the name of the network-accessible Kodak NexStation digital production color press here. An example of a name is "\\NexStation-100". You can also use the *Browse* button to locate the device on the network.

NexStation JDF portal hot folder

This read-only field shows the location of the JDF Portal Hot Folder on the Kodak NexStation digital production color press from which the device capabilities file is read.

NexStation Version drop-down list

This list contains the Kodak NexStation front end software version numbers that JWP supports. When the user selects a version number from this list, the template generated during the *Save Template* operation will be compatible with the NexStation front end software version number. This version number can be manually selected or will be automatically filled in when an existing template is opened or a Kodak NexStation device is selected.

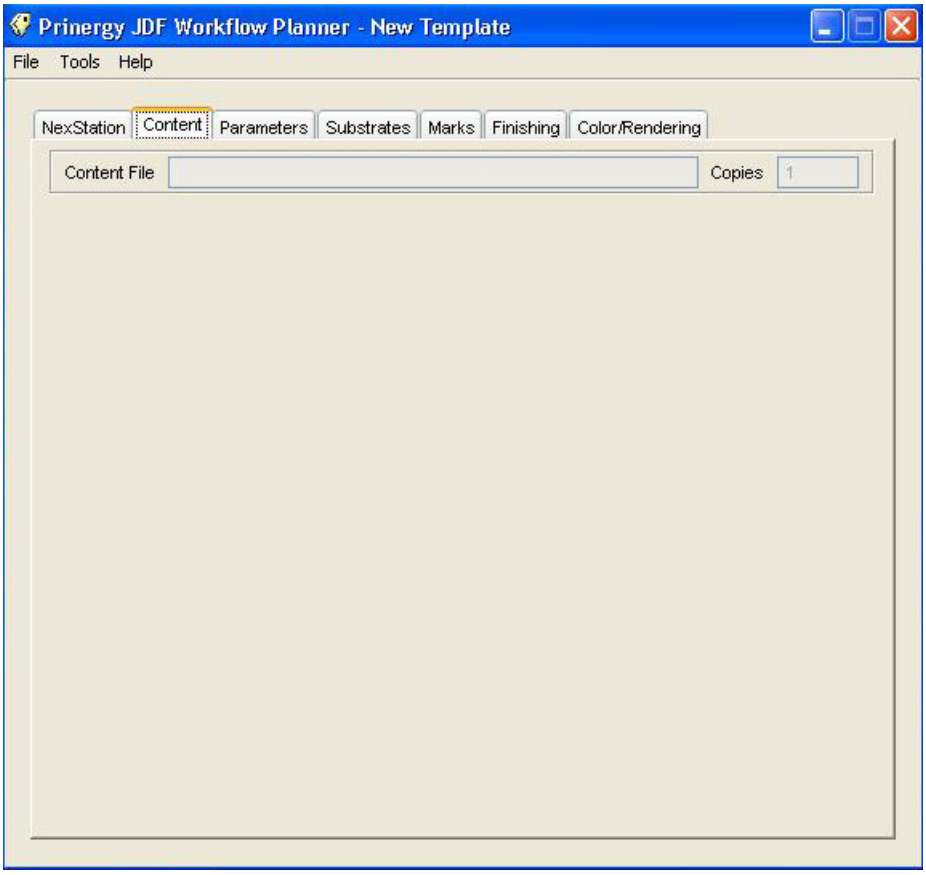


Note: It is important that the Kodak NexStation front end software version selection matches the Kodak NexStation device software on which the workflow templates will be used.

In addition, when the device capabilities file is successfully read from a Kodak NexStation device, the corresponding NexStation front end software version number is automatically selected from the drop-down list and the list is disabled.

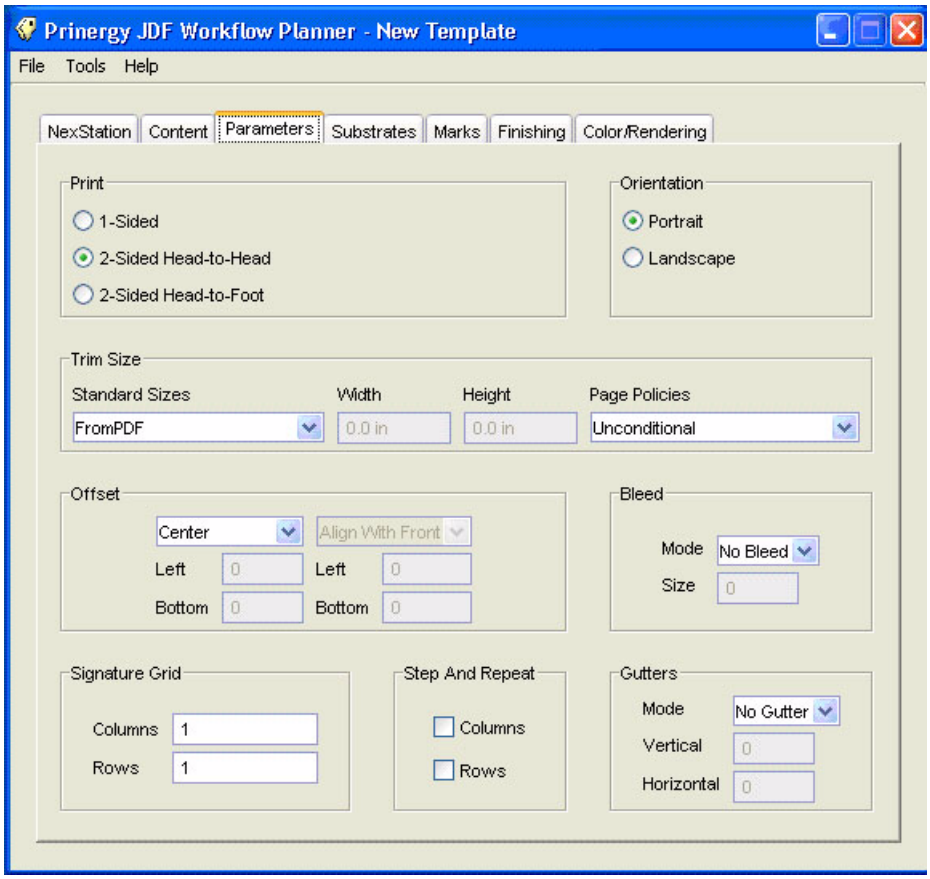
Content tab

The Content tab contains the *Content File* and *Copies* fields which are read-only and for display purposes only. When a template is loaded during a *Load* operation, these fields show any content file name or copy count that may be stored in the loaded template.



Parameters tab

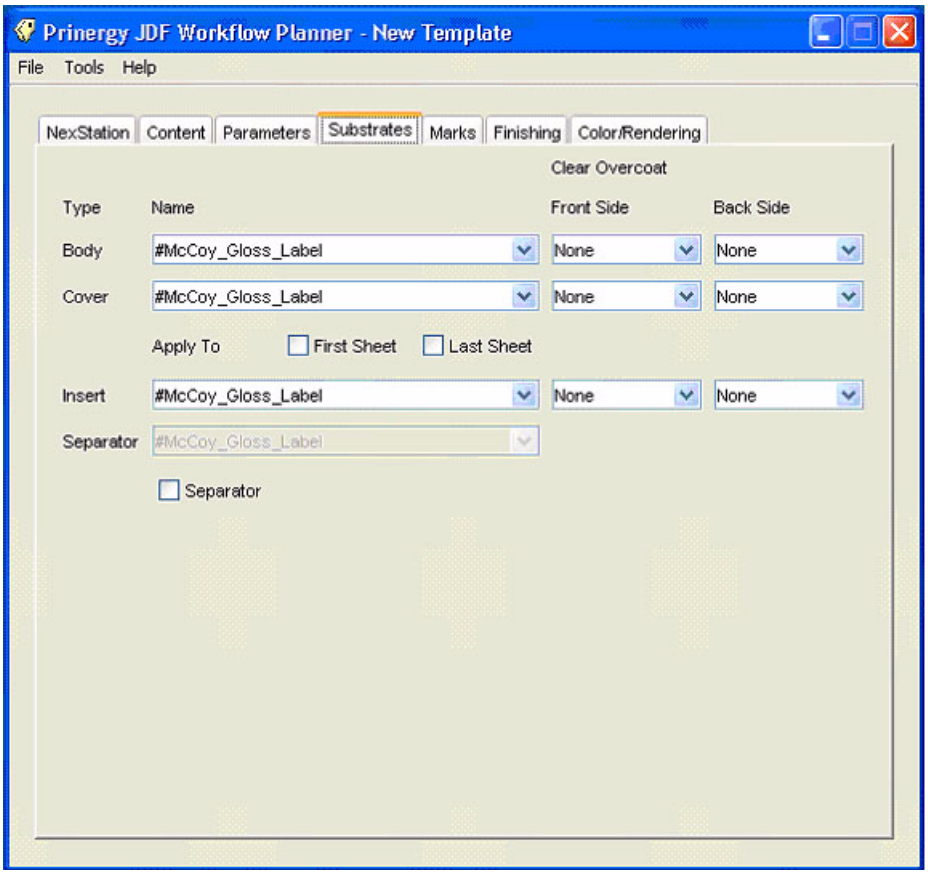
The Parameters tab allows you to set numerous parameters for the print job including 1- or 2-sided copies, orientation, trim size, offset, bleed, and gutters.



For a complete description of each of the common Kodak NexStation front end software features referenced in this tool, please refer to the *Kodak NexStation imposition viewer help*.

Substrates tab

Use this dialog box to select the substrate for the body, covers, and inserts of your print product. In addition, you can select the *Separator* check box and choose the substrate to be used for your separator sheets.



Body and Cover, Insert, and Separator	The substrate which is currently selected for each type displays in the *Name* column. Checking one or both of the *Apply to First Sheet/Last Sheet* check boxes assigns the substrate chosen for Cover to be the first and/or the last sheet of the job.
Clear Overcoat	In the *Clear Overcoat* section of the dialog box, you can specify that an overcoat of clear, dry ink be applied to the substrate type. You cannot apply *Clear Overcoat* to separator sheets. You can also select options to use *Clear Overcoat* on the front or back of the substrate.
Insert	Stamp the job as an insert prior to submission using the *Kodak NexStation imposition viewer* software. To use the Insert option, refer to Using the Insert option (see page 1–13).

Using the *Insert* option

In order to use the Insert option, the following procedure must be performed on the PDF.

Use the Kodak NexStation Imposition Viewer to assign a substrate type to a page:

1. Select the page you would like stamped as “Insert.”
2. Right-click the page to display the pop-up menu.

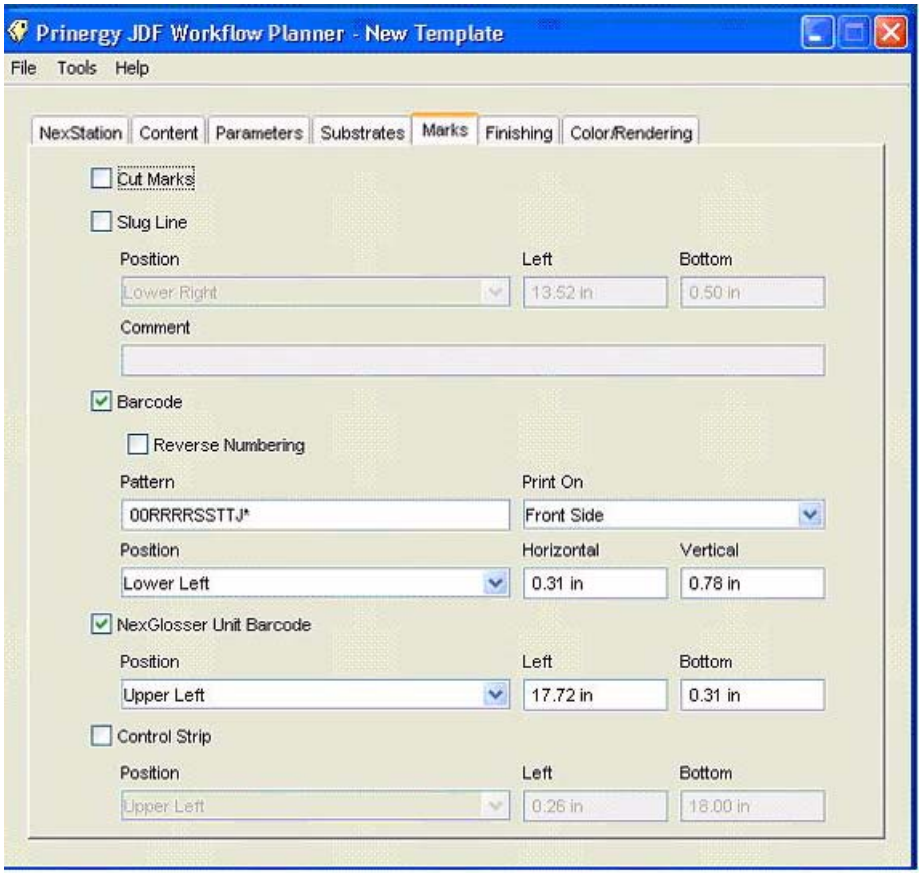
   A check mark indicates the substrate type currently assigned to the page.
3. Click another substrate type to change the substrate type for this page.

   A stamp with the corresponding color appears at the bottom of the sheet in the *Imposed View* window.

   You can now safely select the *Insert* option in the JDF Workflow Planner, and the appropriate page you have stamped in the PDF will pull the Insert substrate as requested.

Marks tab

The Marks tab allows you to define settings for Cut Marks, a Slug Line, Barcode, NexGlosser Unit Barcode, and a Control Strip.

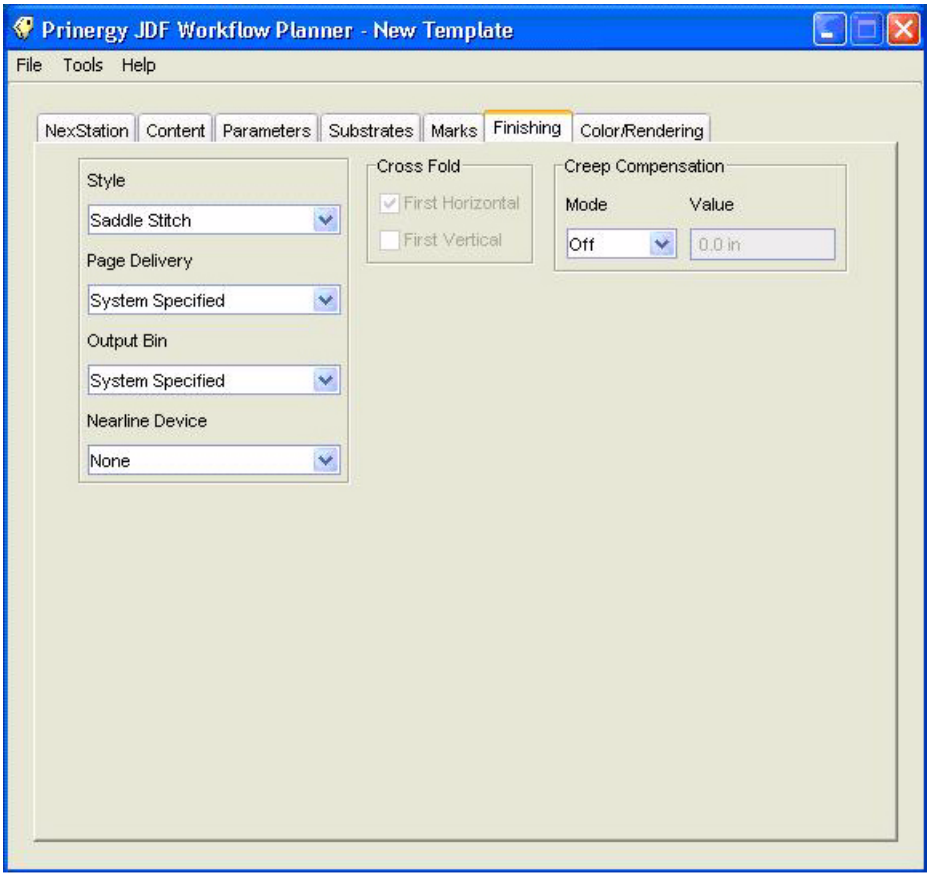


Cut Marks	Select this check box to have cut marks printed. Cut marks are printed for each page. Cut marks cannot be edited.
Slug Line	Check this box to have a slug line printed. The slug line contains by default the file name, date, and time information. Please note that you can select the position of the slug line as well.
Barcode	Barcode functionality is only available if Saddle Stitch "style" is selected in the Finishing tab.
NexGlosser Unit Barcode	NexGlosser Unit Barcode functionality is only available if "Gloss" or "Protective Coat" is selected.

Control Strip	A control strip with various color patches can be printed on each sheet. The control strip is used to check color-to-color registration and dry ink coverage. NexStation prints one control strip per sheet surface. Position, Left Offset, Bottom Offset: The control strip can be positioned at predefined positions in predefined directions. You may also enter or change values for the position. The positioning of the control strip is similar to the positioning of the Slug Line (see page 1–14).

Finishing tab

The Finishing tab allows you to set parameters for finishing styles, page delivery, output bin, and device.



Style

Seven finishing style options are available:

* Perfect Bound
* Saddle Stitch
* Consecutive
* Cut and Stack
* Odd-even Perfecting
* Perfect Bound - Right to Left
* Saddle Stitch - Right to Left

Page Delivery

Six page delivery options are available:

* System Specified
* Fan Fold
* Same Order Face Up
* Same Order Face down
* Reverse Order Face Up
* Reverse Order Face Down

Output Bin

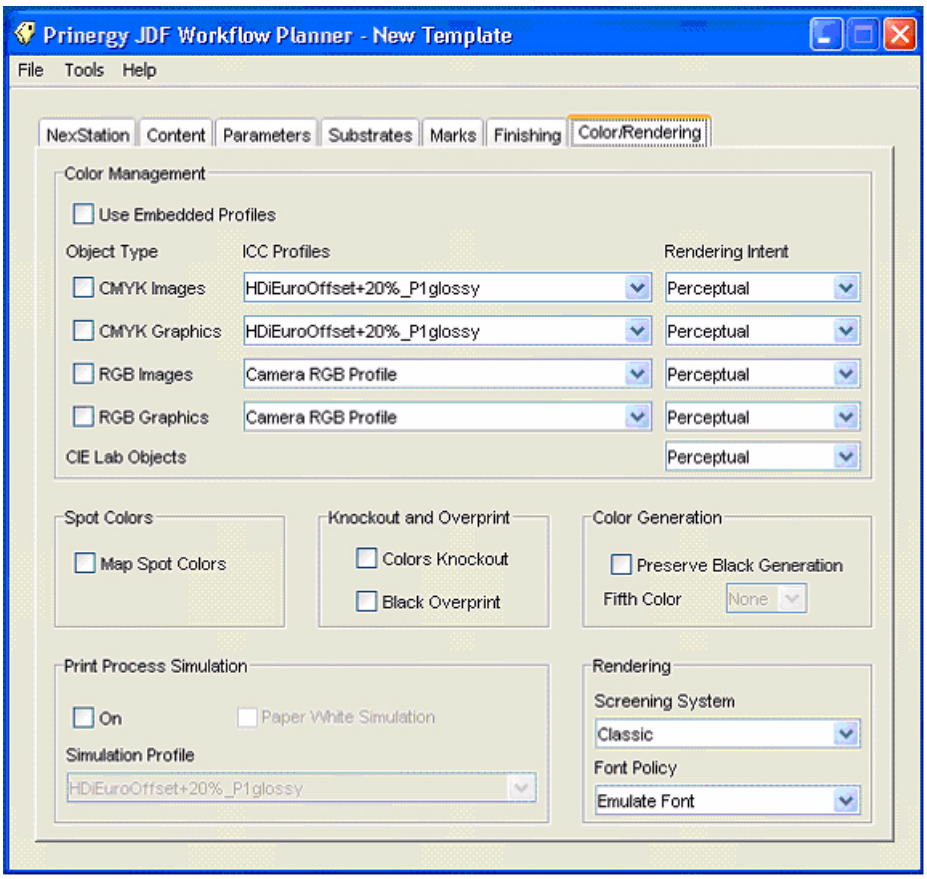
Five options are available for output bin:

* System Specified
* Proof Delivery
* Main Delivery
* Main Delivery 2
* Inline Finisher

Nearline Device	Four options are available for Nearline Device: * None * Custom * DSF-2000 * DSF-2000 with Inverter
Cross Fold	When you are printing four page images on one sheet and Perfect bound is selected for the finishing style, NexStation allows you to select an imposition dependent on whether the sheets will be first folded horizontally or vertically after printing. The post-press workflow determines which option needs to be selected. Each page is then impositioned in the appropriate way.
Creep Compensation	When you choose Saddle stitch as the finishing style, you can select a mode for Creep Compensation. Offset of page images is then adjusted so that even in a heavyweight brochure, each page stays readable and appears to be centered.

Color/Rendering tab

The Color/Rendering tab allows you to set parameters for color management, spot color handling, and the rendering screen systems and fonts.



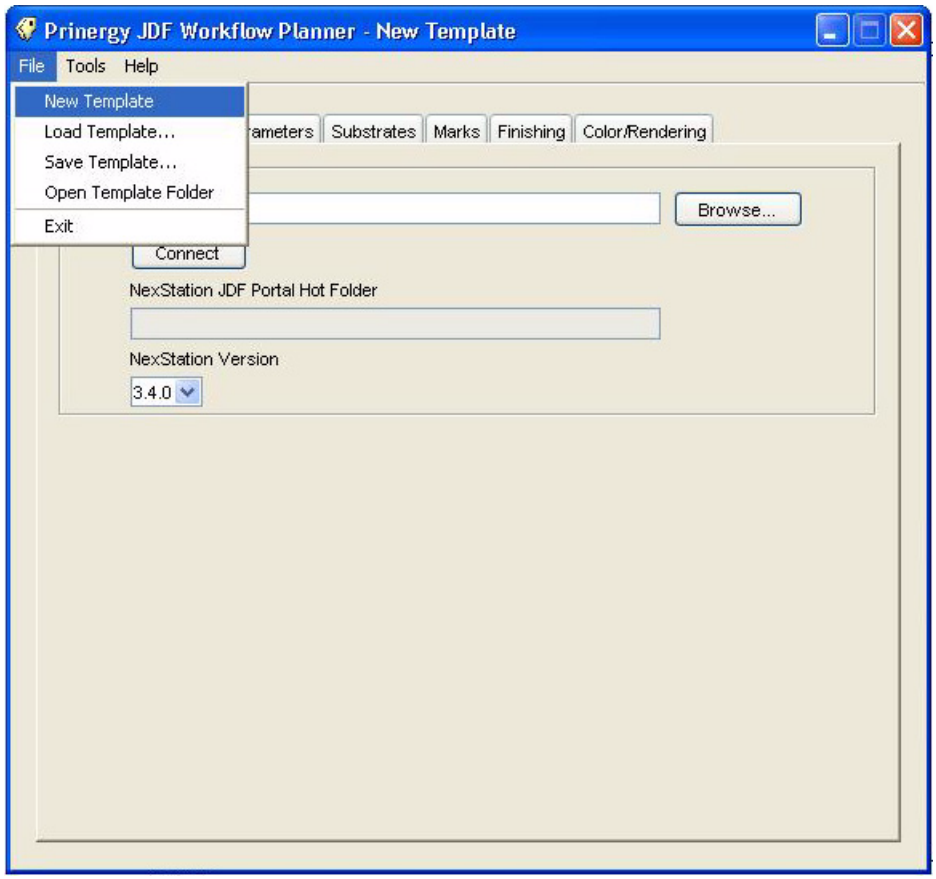
Color Management	These parameters identify the object type, the ICC Profiles, and the rendering intent.
Spot Colors	When checked, Kodak NexStation maps any spot color which is defined in the source document as a Pantone® or HKS® color value to Lab color data using the spot color table. If unchecked, the alternative CMYK values which are included in the spot color definitions are used and converted into Lab data like any other color.
Knockout and Overprint	Select between *Colors Knockout* and *Black Overprint*.
Color Generation	Here you can select *Preserve Black Generation* and identify a fifth color.
Print Process Simulation	You can turn print process simulation on and off here and choose a simulation profile.
Rendering	Here you can choose a *Screening System* from Classic, Optimum, Line, or Supra. You can also choose the *Font Policy* from Error, Default Font, or Emulate Font.

Creating and modifying templates

This section outlines the steps necessary to create anew template and modify an existing template.

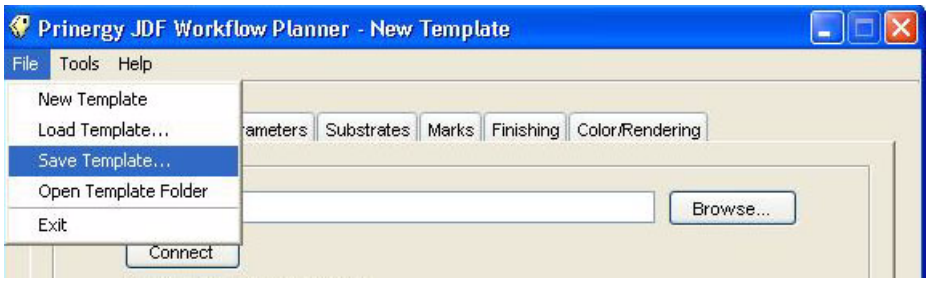
Creating a new template using *New Template*

1. From the main menu, select *File* > *New Template* to reset the JDF Workflow Planner to the default settings. Note that the title bar will change to “New Template.”



2. Within the JWP tabs, change the default parameters to the desired parameters.

3. From the main menu, select *File* > *Save Template*....



4. In the *Filename* field of the *Save* dialog, enter the name of the new template.
5. Click *Save*.

Creating a new template from an existing template

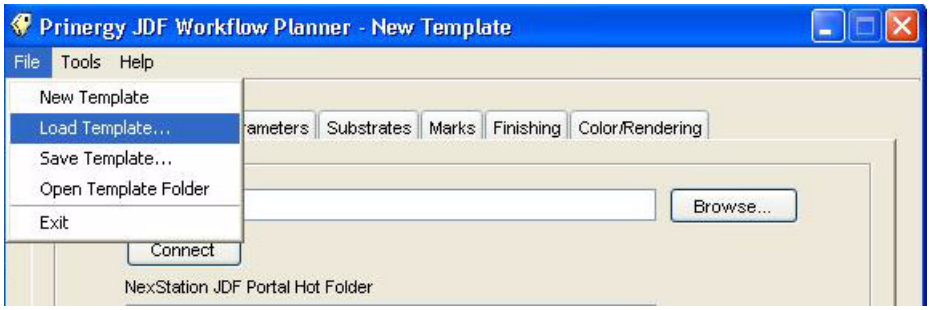
1. From the main menu, select *File* > *Load Template*....



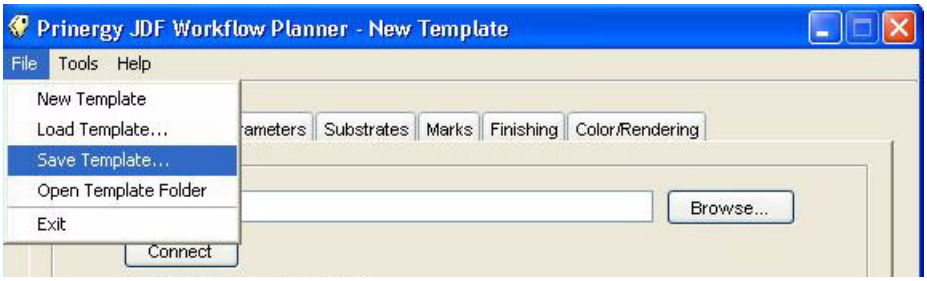
2. Select the template you wish to modify, and click *Open*.
3. Within the JWP tabs, change existing parameters to the desired parameters.
4. From the main menu, select *File* > *Save Template*....
5. In the *Filename* field of the *Save* dialog, enter the name of the new template.
6. Click *Save*.

Modifying an existing template

1. From the main menu, select *File* > *Load Template*....



2. Select the template you wish to modify, and click *Open*.
3. Change existing parameters to the desired parameters within the JWP tabs.
4. From the main menu, select *File* > *Save Template*....



5. In the *Filename* field on the *Save* dialog, use an existing template name to overwrite an existing template or type in a new template name.
6. Click *Save*.

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