



## Release Notes



10001862-000

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## Introduction

This set of release notes gives you information about the following:

- Changes in this release
- Installing VRS 4.5
- Known problems
- Related documentation
- Technical support

Please read the release notes carefully, as they contain information that is not available in other VRS documentation.

## Changes in This Release

This section outlines changes that you will notice in VRS 4.5, including new features and discontinued features.

### New Features

This section gives of summary of each feature that is new to VRS 4.5. For more detail about new features, see the VRS Help or the *VRS User's Guide*.

#### Advanced Clarity Capabilities Extended

Two new capabilities are available when you select Advanced Clarity:

- **Analyze Color:** For pages that contain a color background or color text, this option produces optimal black and white images by including subtle color content variations in the page evaluation. Otherwise, only grayscale variations are evaluated.
- **Ignore Pictures:** Ignores pictures or photos when VRS evaluates the page content. As a result, the clarity improvements are applied to other (non-picture) content on the page.

#### Improved Crop and Deskew

Due to enhancements to VRS edge detection, you will notice improved Auto Crop and Deskew capabilities in this release.

#### Improved Edge Cleanup

The VRS Edge Cleanup feature is now available for bitonal, grayscale, and color documents.

#### Automatic Color Detection Update

The Automatic Color Detection feature now offers improved sensitivity to ensure accurate detection of color or black and white images.

#### Improved Kofax VRS ISIS Interface

The Kofax VRS ISIS scanning interface has been improved and redesigned. The interface includes settings for configuring preferences related to basic scan settings, VRS profiles, bar codes, imprinters, patch codes, and more.

You can save the settings configured from the Kofax VRS ISIS interface as a “preset.” Each preset is associated with a VRS profile, which consists of the image processing settings that you configure from the VirtualReScan Profile Editor. When you create a preset, it is automatically associated with the VRS “Default settings” profile unless you specify a different VRS profile. You can now access the VirtualReScan Profile Editor directly from the VRS tab in the Kofax VRS ISIS interface.

### Automatic Color Detection Update for ISIS Scanning Applications

When Automatic Color Detection is active, VRS can intelligently detect whether a document is color or black and white and process it accordingly. Although Automatic Color Detection is not a new feature, the process for activating it with ISIS-based scanning applications has changed in this release.

When VRS is used with an ISIS-based scanning application, Automatic Color Detection is now activated from the Kofax VRS ISIS interface or the scanning application, rather than the Color panel in the VRS Adjustment Controls. In this situation, the Enable check box is unavailable on the Color panel. The other Color panel settings are unchanged.

### TWAIN 2.0 Compliance

This VRS version is compliant with the TWAIN 2.0 standard, with the exception of native 64-bit support. All 32-bit TWAIN 2.0 applications are compatible with VRS.

### Saving Advanced Properties to a Profile

VRS scan profiles now support the ability to preserve Advanced Properties settings, which typically relate to multifeed detection, color dropout, rotation, endorsing, picking rectangle preferences, and more. To save Advanced Properties to a profile, you must save the VRS profile after clicking OK on the Advanced Properties dialog box.

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**Tip** If you click OK on the Advanced Properties dialog box without saving the VRS profile afterward, the settings are available only for the current session.

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## Discontinued Features

Another change in VRS 4.5 is discontinuation of the Desktop Productivity features. If you were using the Desktop Productivity features in VRS 4.2, they will not be available once you upgrade to VRS 4.5. A reminder message is displayed during the VRS 4.5 upgrade process.

The Desktop Productivity functionality, along with several enhancements, is now offered in the Kofax Desktop product. For details, see the Kofax Web site at [www.kofax.com](http://www.kofax.com).

## Installing VRS 4.5 and Other Kofax Products on the Same Computer

You can install VRS and Kofax Capture 8 (or Ascent Capture 7.5) on the same computer. Be sure to install Kofax Capture or Ascent Capture first, followed by VRS.

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**Tip** Kofax Capture was formerly named Ascent Capture.

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You can also install VRS 4.5 on a computer where the following Kofax products already exist:

- VRS 4.1 or later (general or OEM release)
- Kofax Express 1.1
- Kofax Desktop 1.0

You cannot use one scanner with multiple Kofax products at the same time. For example, while your scanner is in use with VRS, you cannot use the same scanner with another Kofax product until VRS is closed.

## Upgrading from VRS 4.2 on a Windows Vista Computer

During the process of upgrading from VRS 4.2 to VRS 4.5 on a Windows Vista computer, you will see a “Files in Use” message related to Windows Explorer, even though Windows Explorer and other applications may be closed. (SPR00048547)

In this situation, you should select the option to automatically close Windows Explorer (which actually refers here to the Windows Start button, status bar, and taskbar). Once you click OK, the Start button, status bar, and taskbar are closed and the VRS 4.5 installation continues without further interruption.

After the VRS 4.5 installation is complete, the Start button, status bar, and taskbar are restored to your Windows desktop.

## TWAIN Scanner Reservation Issue After Upgrading from VRS 4.1 SP2

If you upgrade your VRS 4.1 SP2 installation to VRS 4.5, a scanner reservation error may occur if you are using VRS with a TWAIN scanning application. This issue has been reported on computers running Windows Vista. (SPR00048483)

**Workaround:** Remove VRS 4.5 and then reinstall it. As another option, instead of installing VRS 4.5 directly over VRS 4.1 SP2, do one of the following:

- Upgrade to VRS 4.2, and then install VRS 4.5.
- Remove VRS 4.1 SP2, and then install VRS 4.5.

## Known Problems

This section gives you information about issues that you may encounter while using VRS 4.5. Workarounds are provided, as applicable.

### InoTec 402/412/422 Scanners

#### Endorser Support

InoTec scanners are equipped with two endorsers (pre-endorser and post-endorser) that you can select at the same time. Support for the InoTec endorsers may vary, according to the type of scan application or interface you are using with VRS (SPR00040390).

ImageControls scan applications do not support the implementation of two separate endorsers at the same time.

The InoTec endorsers work this way:

- If both InoTec endorsers are inactive and the ImageControls endorser settings are enabled, the post-endorser is used.
- If you select both endorsing and annotation on the ImageControls interface but later turn off both endorsers on the ISIS interface, endorsing is also turned off on the ImageControls interface.
- If you select both endorsers on the ISIS interface, the pre-endorser is used.
- If you turn off one of the endorsers on the ISIS interface, the active endorser is used.

#### Image Addressing

If you use pre-endorsing and image addressing simultaneously, and the counter value for the pre-endorser is specified in two places (the scanner panel and the ISIS interface), the value is not consistent (off by one) between the endorsing text and the image address text. (SPR00041032)

#### Example

- 1 On the scanner panel, set the counter to 300 and set the indexing mode to display Counter 1.
- 2 From the ISIS interface, select the pre-endorser and set the counter value to 100. Then set the indexing mode to display Counter 1.
- 3 Scan five documents.
- 4 Notice that the endorsing text prints 300 to 304, while the image address text prints 301 to 305. Also, the value specified on the scanner panel overrides the value set on the ISIS interface.

#### Endorser Text Orientation

Although the InoTec scanner supports the ability to specify more than one text orientation within the same endorsing string, this is not the case for VRS or ImageControls, which supports one text orientation for endorsing strings. If you specify more than one text orientation setting from the ISIS interface, the most recent setting is applied to the entire endorser string in the ImageControls endorser settings. (SPR00040387)

## Maximum Counter Value

The scanner supports a maximum counter value of 429496729 (32-bit unsigned int), but VRS and ImageControls support a maximum of 2147483647 (32-bit signed int). (SPR00040392)

## Counter Sequence

Although the scanner supports the ability to specify a counter sequence more than once within the same string, ImageControls supports only one instance of the counter sequence (at the end of the endorser text string). (SPR00040398)

### Example

If you specify “My 3 digits counter string = %03S AND another counter string = %03S”

ISIS interface results:

Endorsing string printed on document: “My 3 digits counter string = 001 AND another counter string = 001”

VRS results:

Endorsing string printed on document is “My 3 digits counter string = AND another counter string = 001”

## Related Documentation

In addition to release notes, the VRS documentation set includes the following:

- *VRS Installation Guide*
- *VRS User’s Guide*
- VRS Help

The guides are available in PDF format from the installation disk, and you can access the Help by pressing F1 from the VRS user interface. The *VRS User’s Guide* is available from the VRS Help menu.

The guides and the Help are also available from the Kofax Web site at [www.kofax.com](http://www.kofax.com) when you select Online Documentation on the Support pages.

## Technical Support

The VRS technical support Web pages are available from the Kofax Web site at [www.kofax.com](http://www.kofax.com). The Support pages provide product-specific information, such as current revision levels, the latest drivers and software patches, online documentation, updates to product release notes (if any), technical tips, and an extensive, fully searchable knowledgebase.

The Kofax Web site also contains information that describes support options for Kofax products. Please review the site for details about the available support options. If you need to contact Kofax Technical Support, please have the following information available:

- VRS version and license level
- Scanner model
- Windows operating system and service pack version