

bizhub 4750/4050

User's Guide: Advanced Functions





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Advanced Functions

1 Advanced Functions

To use advanced functions on this machine, you need to install optional license kits.

The table below shows the correspondence between available advanced functions and options or license kits to be purchased.

License kit	Function	Overview
i-Option LK-101 v3	Web Browser	Allows you to use a Web browser on the Touch Panel of this machine. You can access contents on the Internet or corporate networks through this machine that is connected to the network, and view pages.
i-Option LK-106	Bar code font	Generates a bar code based on data sent to this machine from the ERP (Enterprise Resource Planning) system, and prints it from this machine. You can directly print data without using the printer driver.
i-Option LK-107	Unicode font	Prints text information (unicode) of multiple languages sent to this machine from the ERP (Enterprise Resource Planning) system. You can directly print data without using the printer driver.
i-Option LK-108	OCR font	OCR font can be used on this machine. OCR font is standardized font that enables text to be appropriately recognized when the OCR (Optical Character Recognition) is used.
i-Option LK-111	ThinPrint function	Configure settings to enable the ThinPrint function in this machine. ThinPrint is a function that realizes speedy printing by performing data compression or broadband control when a print job is sent from ThinPrint Engine (.print Engine) to ThinPrint Client (.print Client). This machine operates as ThinPrint Client (.print Client). For details, refer to page 4-2.



Registering License Kits

2 Registering License Kits

2.1 License registration

To use advanced functions on this machine, purchase a license kit that is available for each function, and register license information on the License Management Server (LMS). You also need to register a license code issued from LMS on this machine to enable the required advanced function on this machine.

The license registration flow is as follows.

Purchase a required license kit

- **The token certificate included in a license kit contains the token number and LMS Web site address that are required to register licenses in LMS.**
 - Token number: Used to identify a contract that is set up to purchase a license for an advanced function.



Check the serial number and request code using this machine

- **The serial number and request code are required to register licenses in LMS.**
 - Serial number: Serial number of this machine.
 - Request code: Used to identify this machine.



Access the LMS Web site from a computer and obtain the function code and license code

- **To obtain the function code and license code, enter the serial number, request code, and token number in the Web site.**
- **The function code and license code are required to enable the advanced functions on this machine.**
 - Function code: Used to identify each advanced function.
 - License code: Used to enable each advanced function.



Enter the function code and license code on this machine to enable the advanced functions

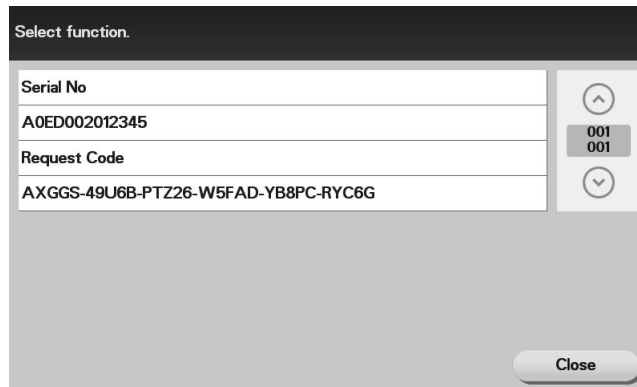


Completed

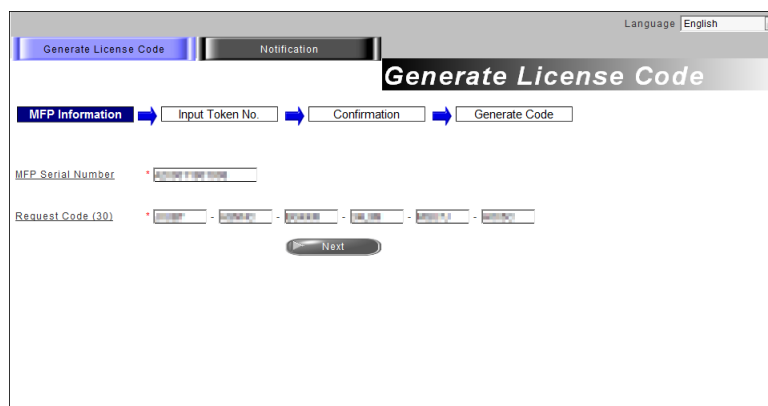
2.2 Registering licenses

- 1 Purchase a required license kit.
→ A token certificate included in a license kit is required to register a license on this machine using LMS.
- 2 On the **Control Panel** of this machine, tap [Utility] - [Administrator Settings] - [License Management] - [Publish Request Code].

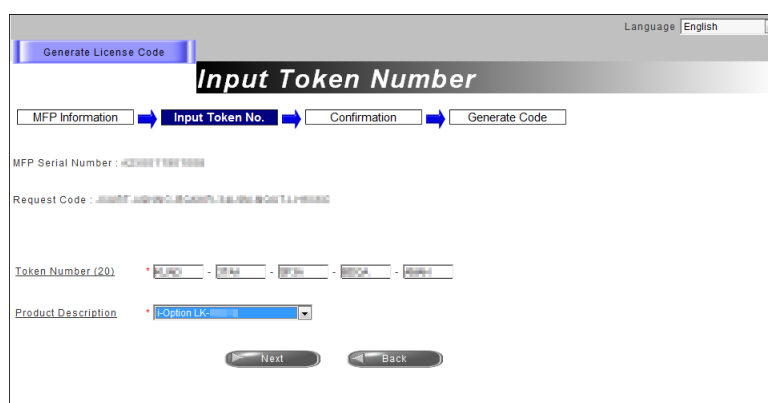
This displays this machine's serial number and the request code on the screen.



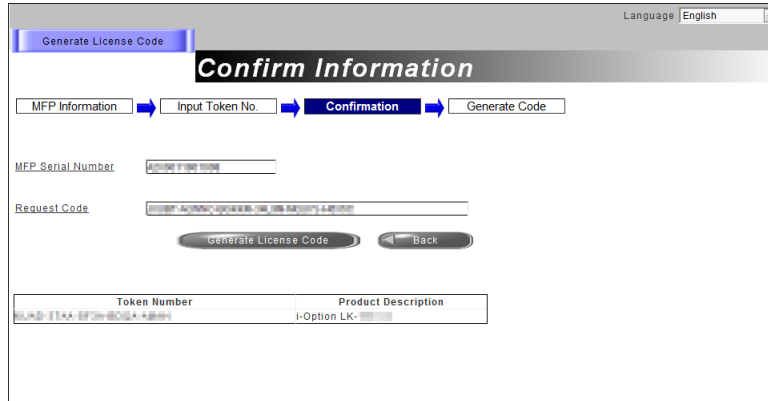
- 3 Open the Web browser through a computer connected to the Internet, and connect this machine to the Web site of the License Management Server (LMS).
→ Web site address: <https://lms.konicaminolta.com/index.aspx>
- 4 Enter the serial number and requests code, then proceed to the next step.



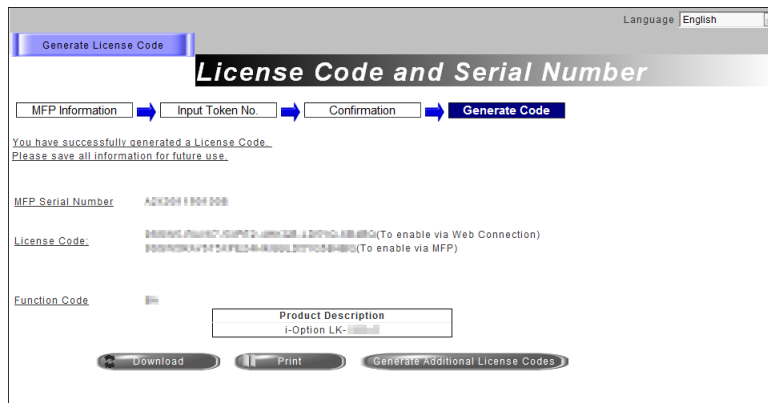
- 5 Enter the token number, select the name of the product to be purchased, then proceed to the next step.
→ The token number can be found in the token certificate included in the license kit.



6 Check the registered contents, and issue a license code.




You will receive the function code and license code. Write down them, or print out the target Web page.
 → Do not use [Download]. In this machine, you cannot enable the advanced functions using a USB memory device.



7 On the **Control Panel** of this machine, tap [Utility] - [Administrator Settings] - [License Management] - [Activation], then register the function code and license code that are issued from the LMS Web site.
 → If necessary, you can register function and license codes using **Web Connection**. In the administrator mode, select [System] - [License Settings] - [Enabler], then enter the function code and license code.



8 Tap [Apply].



Using the Web Browser

3 Using the Web Browser

NOTICE

Users will bear responsibility for contents accessed, downloaded, and uploaded using Web Browser in the MFP, as well as for other communicated contents.

Users shall conform to the company rules and laws of the country where this machine is used.

KONICA MINOLTA, INC. and its group businesses will not bear any responsibility for use of the Internet by users.

3.1 Web Browser function

Available operations with the Web Browser function

Enabling the Web browser function on this machine allows you to access a Web browser using the **Touch Panel** of this machine.

The Web browser function supports the following operations.

- Displaying and printing Web contents on the Internet or intranet
- Displaying and printing a file on the Internet or intranet
- Uploading scanned original data (via a server on the Internet or intranet)
- Access to **Web Connection**



Tips

The optional **i-Option LK-101 v3** is required to use the Web browser function on this machine.

Specifications of Web browser

The following shows the major specifications of the Web browser to be used on this machine.

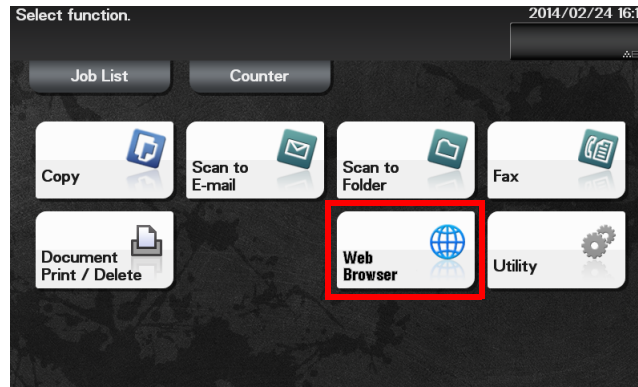
Item	Specifications
Browser engine	WebKit
Protocol	HTTP (HTTP/0.9, 1.0, 1.1), HTTPS, TCP/IP
Markup language	HTML 4.01, a part of HTML 5, XHTML 1.1/Basic
Style sheet	CSS1, CSS2.1
Script language	JavaScript 1.7, ECMAScript 3rd Edition, Ajax (Limited to the JavaScript-supported range only)
DOM	Level 1, 2
File type	JPEG, BMP, PNG, GIF, animation GIF, PDF
SSL/TLS version	SSL 3.0, TLS 1.0
Character code	Japanese (Shift_JIS), Japanese (ISO-2022-JP), Japanese (EUC-JP), Chinese Simplified (GB2312), Chinese Traditional (Big5), Western European (ISO-8859-1), Unicode (UTF-8)
PDF viewer	Adobe® Reader® LE

3.2 Basic usage

3.2.1 Starting the Web browser

Use the following steps to start the Web browser.

- Tap [Web Browser] in the main menu.
- Press the **Register** key assigned to [Web Browser].



Starting the Web browser displays the preset home screen.

Tips

If you tap [Access] on the **Control Panel** while user authentication or account track is not installed, the Web browser restarts.

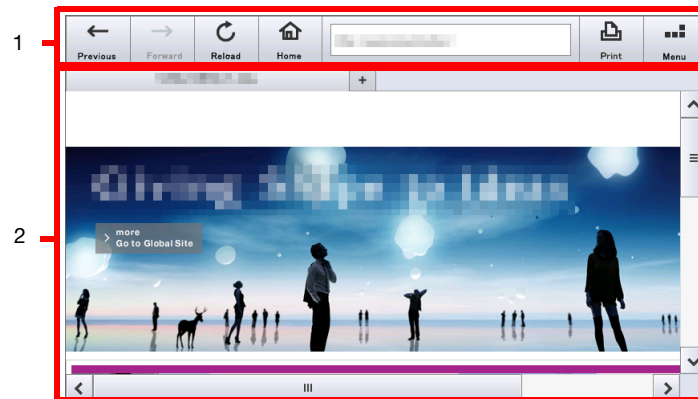
Reference

To start the Web browser from the **Register** key, assign it to the **Register** key. For details, refer to Chapter 7 "Control Panel" in [User's Guide: Introduction].

3.2.2 Configuration of Web browser

Screen layout

The Web browser screen is comprised of the following components.



No.	Name	Description
1	Toolbar	Tap the desired icon on the toolbar to move or reload a page. If you enter a URL into the address entry field, you can directly visit a page at the specified URL. The toolbar supports Web browser settings. For details on the toolbar, refer to page 3-4.
2	Window	Displays the contents of a loaded page. If the screen has multiple windows, their tabs are displayed at the top of the screen. Tapping a tab switches windows. This system supports up to five tabs. Tapping [x] of a tab closes a page.

Description of the toolbar

The toolbar has the following available buttons.

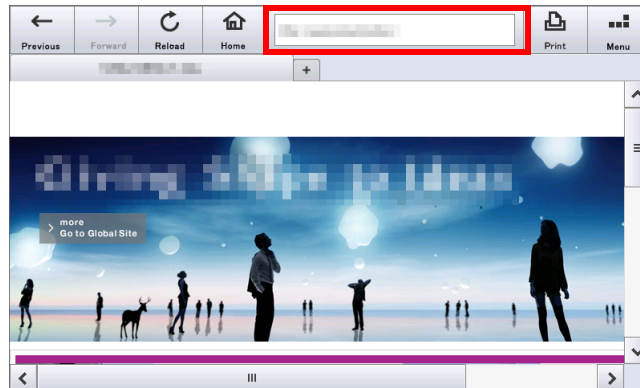
Icon	Description
[Previous]	Brings you back to the previous page.
[Forward]	Brings you to the next page.
[Reload]	Reloads and updates the displayed page. If you tap this icon while loading a page, page loading stops.
[Home]	Displays the page registered as the home. The blank page is registered as a default.
[Print]	Prints the currently displayed page.
[Menu]	Configures Web browser settings. Two types of menus are available; one for the user and one for the administrator.

3.2.3 Displaying a Web page

Specifying a URL

Enter a URL into the address entry field on the toolbar to directly display a target page.

Tapping the text entry field on the toolbar displays the keyboard on the screen. Enter the URL of a desired page, then tap [OK].



Using the browse history

Select a desired page from a list of pages displayed up till the current time.

Tap [Menu] - [Log] on the toolbar to display a list of pages displayed up until the current time.

Select a desired page from the list, then tap [Same Tab] or [New Tab].

Tips

- To delete a log, you need to enter the administrator password of this machine.
[Delete All]: Deletes all logs.
[Delete]: Deletes a selected page from the log list.
- This machine stores up to 100 page browsing logs.

Displaying Favorites

Select a desired page from a list of favorites registered on this machine.

Tap [Menu] - [Bookmark] - [Favorites] on the toolbar to display a list of favorites registered on this machine.

Select a desired page from the list, then tap [Same Tab] or [New Tab].

Tips

- You can select the method for displaying a list of favorites from [Detail View] or [Display Thumbnail].
- To edit or delete a favorite, you need to enter the administrator password of this machine.
[Edit/Delete]: Edit or delete the selected favorite.
[Delete All]: Deletes all favorites.

Reference

For details on how to add a favorite, refer to page 3-6.

3.2.4 Operating the currently displayed page

Adding a favorite (for the administrator)

Add the currently displayed page as a favorite to this machine.

To add a favorite, you need to enter the administrator password of this machine.

Display a page to be added as a favorite, then tap [Menu] - [Bookmark] - [Add Bookmark]. When necessary, change a page title, then tap [OK].



Tips

This machine can store up to 100 favorites

Printing the currently displayed page

Print the currently displayed page through this machine.

Tapping [Print] on the toolbar displays the print screen.

Configure print settings as required, then press the **Start** key to start printing the currently displayed page.

The print screen allows you to configure the following print settings.

Settings	Description
[No. of Sets]	Specify the number of copies to print.
[Paper Size]	Select the size of paper for printing.
[Duplex]	Select whether to print one side or both sides of sheets of paper.
[Finishing]	Specify the finishing of print output.



Tips

If you attempt to print a page or an image that consumes a lot of memory, a loading error may occur, which will result in a printing failure.

Operating a window

Select [Menu] - [Tab] on the toolbar to operate tabs.

Settings	Description
[New Tab]	Opens a new tab.
[Close Tab]	Closes the currently displayed tab.

Displaying a window on the full screen

Tap [Menu] - [Disp. Full screen] on the toolbar to display a window on the full screen. To return to the original screen mode, tap [Standard View] on the full screen.

Enlarging or reducing the currently displayed page

Select [Menu] - [Display] on the toolbar to enlarge or reduce a page.

Settings	Description
[Zoom In]	Enlarges a page.
[Zoom Out]	Reduces a page.
[Zoom Reset]	Returns the enlargement or reduction ratio of a page to full size.
[Change Only Text Size]	Select this check box to enlarge or reduce only the text size when [Zoom In] or [Zoom Out] is enabled.
[Font]	Select a required font when displaying contents with no font specified. To use this function, you need to enter the administrator password of this machine.

Tips

You can double-tap or pinch in/pinch out to enlarge/reduce the size of a page.

Restarting the Web browser

Tap [Menu] - [Restart] on the toolbar to restart the Web browser.

3.2.5 Using a Web File

Displaying a Web file

If a displayed page is linked to a file, the file can be displayed on the **Touch Panel** of this machine.

This machine can display a PDF file.

1 Tap a link to a file to be displayed.

2 Tap [View].

The linked PDF file is displayed on the **Touch Panel**.



3 Operate the toolbar to check the contents of the file.

→ Tap the print key to display the print screen. If necessary, change print settings, and press **Start** to start printing. For details on the print settings, refer to page 3-9.

Tips

You can also check the contents of a file using the following gestures.

- Swipe: Displays the previous or next page.
- Pinch in/pinch out: Enlarges or reduces a page.
- Rotation: Rotates a page.

Printing a Web file

If a displayed page is linked to a file, the file can be printed through this machine.

This machine provides a capability that prints a PDF file, XPS file, OOXML file, PPML file, or TIFF file.

- 1 Tap a link to a file to be printed.
- 2 Tap [Print].
- 3 Configure print settings as necessary.

Settings	Description
[No. of Sets]	Specify the number of copies to print.
[Paper Size]	Select the size of paper for printing.
[Duplex]	Select whether to print one side or both sides of sheets of paper.
[Finishing]	Specify the finishing of print output.

- 4 Press the **Start** key.
Printing starts.



Tips

- If you attempt to print a page or an image that consumes a lot of memory, a loading error may occur, which will result in a printing failure.
- However, the password protected PDF file cannot be printed.

3.2.6 Uploading a file from this machine

Before Using This Function

The original data scanned on this machine can be uploaded on a website via the Web browser of this machine.

Note the following points when uploading a file from this machine.

- Multiple files cannot be uploaded at the same time.
- If you perform one of the following operations after selecting a file to be uploaded, the job is deleted. The selected file is also deleted.
 - The System Auto Reset function has been started.
 - The Web browser has been closed.
 - A page has been updated by operating the toolbar on the Web browser.
 - The Web browser has been restarted.
 - You have logged out of this machine.
 - The power has been turned off.
 - **Reset** has been pressed to reset the panel.

Scanning original data for uploading

- 1 Display a page to upload a file via the Web browser of this machine, then tap [Browse].
- 2 Place the original to be uploaded on this machine.
- 3 If necessary, change scan settings
- 4 Press the **Start** key.
When scanning ends, the file name of the scanned original data is displayed in the text box of the page.
- 5 Tap [OK].
This then starts uploading of the selected file.

3.2.7 Configuring an operating environment

Tap [Menu] - [Settings] on the toolbar to configure the detailed settings of the Web browser. To display [Settings], you need to enter the administrator password of this machine.

[Machine Data 1] tab

Settings	Description
[Cache]	Configure the cache function of the Web browser as necessary. <ul style="list-style-type: none"> [Enable Cache]: Select this check box to use the cache function in the Web browser. [Delete Cache]: Tap this button to delete all the cache data stored in this machine. [Delete Cache Conditions]: Select a timing to delete cache data.
[Cookies]	Select the [Enable Cookie] check box to use cookie data.
[JavaScript]	Select the [Use JavaScript] check box to enable JavaScript embedded in a page.
[Proxy Settings]	Tap this button to configure settings to use a proxy server. To use a proxy server, enter its address and port number. If proxy authentication is required, enter the appropriate ID and password.
[Security Settings]	Tap this button to enable SSL/TLS. This function also displays a root or CA certificate.

[Machine Data 2] tab

Settings	Description
[Homepage]	Enter a URL of a page to be registered as a home page. Tapping [Set as Home Page] registers the currently displayed page as a home page.
[Start Up Page]	Select a page to be displayed when the Web browser has been started.
[Cookies]	Configure cookie settings for Web browser. <ul style="list-style-type: none"> [Manage Cookies]: Tap this button to display a list of cookies stored on this machine. [Delete Cookie Conditions]: Select a timing to delete a cookie from this machine.
[Authentication Information]	Configure authentication information such as a password for the Web browser. <ul style="list-style-type: none"> [Delete]: Tap this button to delete all the authentication information stored on this machine. [Delete Authentication Information Conditions]: Select a timing to delete authentication information from this machine.

3.3 Restricting the use of Web browser

Restricting the use of Web browser

Invalidate the Web browser without revoking the license, for example, when restricting the use of the Web browser.

- 1 Tap [Utility] - [Administrator Settings] - [Network Settings] - [Web Browser Setting].
- 2 Select [Disable], then tap [OK].



Reference

If user authentication is installed on this machine, you can restrict the use of the Web browser for each user. For details, refer to Chapter 2 "Configuring the Operating Environment of This Machine" in [User's Guide: Applied Functions].

Restricting the use of local contents

If the IWS (Internal Web Server) function is enabled on this machine, you can transfer Web page contents (local contents) to the hard disk of this machine, and access them via the Web browser of this machine. You can also use static content and script-base dynamic content to fit your environment.

When necessary, the administrator of this machine can configure settings to prevent local contents stored on the hard disk of this machine from being accessed via the Web browser of this machine.

- ✓ For details on the IWS function and local contents, contact your service representative.
- 1 Tap [Utility] - [Administrator Settings] - [Security Settings] - [Security Details] - [Web browser contents access].
 - 2 Select [Restrict], then tap [OK].

4

Associating with the ThinPrint System

4 Associating with the ThinPrint System

4.1 ThinPrint function

ThinPrint is a function that realizes speedy printing by performing data compression or broadband control when a print job is sent from ThinPrint Engine (.print Engine) to ThinPrint Client (.print Client).

This machine operates as ThinPrint Client (.print Client).

 **Tips**

An optional **i-Option LK-111** is required to use the ThinPrint function.

4.2 Operations required to use this function (for administrators)

Select **Administrator Mode** - [Network] - [ThinPrint Setting] in **Web Connection**, then configure the following settings.

Settings	Description
[.print client Settings]	Select whether or not to use the ThinPrint protocol on this machine. Select [ON] to use this machine as ThinPrint Client (.print Client). [Disable] is specified by default.
[Port Number]	Enter the port number of ThinPrint Engine (.print Engine) to be connected. [4000] is specified by default.
[Compressed Size]	Specify the maximum packet size between 128 and 128000 to compress data in the ThinPrint Engine (.print Engine) side (units: bytes). ThinPrint Engine (.print Engine) compresses data in these sizes before sending a print job to this machine. [8192] is specified by default.
[Timeout]	Enter the connection timeout value to send a print job from ThinPrint Engine (.print Engine) between five and 300 (units: seconds). [90] is specified by default.
[Printer Class]	Enter this machine's printer class name that is used in ThinPrint Engine (.print Engine) (using up to seven characters).
[Printer Name]	Enter this machine's printer name that is used in ThinPrint Engine (.print Engine) (using up to 32 characters).
[Connection Service Settings]	Select whether or not to use Connection Service.
[Server Address]	Enter the address of the server that supplies Connection Service. Use one of the following formats. <ul style="list-style-type: none"> • Example of host name entry: "host.example.com" • Example of IP address (IPv4) entry: "192.168.1.1"
[Port Number]	Enter the number of the port that is used for Connection Service. [4001] is specified by default.
[AYT Rate]	Enter the reconnection interval to check Connection Service operations (units: seconds). [60] is specified by default.
[Client ID]	Enter the client ID of this machine to be used for Connection Service. [1] is specified by default.
[Authentication Key]	Enter the authentication key used to connect to Connection Service. [0] is specified by default.
[Connection Service Status]	Displays the status of the connection with Connection Service. Clicking [Update] updates the status.



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