

Installation

This chapter describes the procedures required to install the ROI MOBILE PRINT Configuration tool and add a ROI MOBILE PRINT pull printer. The ROI MOBILE PRINT pull printer allows users to create stored jobs. The ROI MOBILE PRINT Configuration tool identifies the location of the stored jobs, as well as scans for and configures MFPs on the network.

Installing ROI MOBILE PRINT Configuration

System requirements

The requirements for the ROI MOBILE PRINT Configuration tool are:

- Windows Server 2003 or Windows Server 2008/2008R2
- Internet Information Services (IIS) with ASP.Net
- .Net Framework 3.5
- Logged on with Administrative rights

Installing Internet Information Services (IIS)

The procedure to install IIS varies, depending on which version of Windows is used, Windows Server 2003/2003R2 or Windows Server 2008/2008R2.

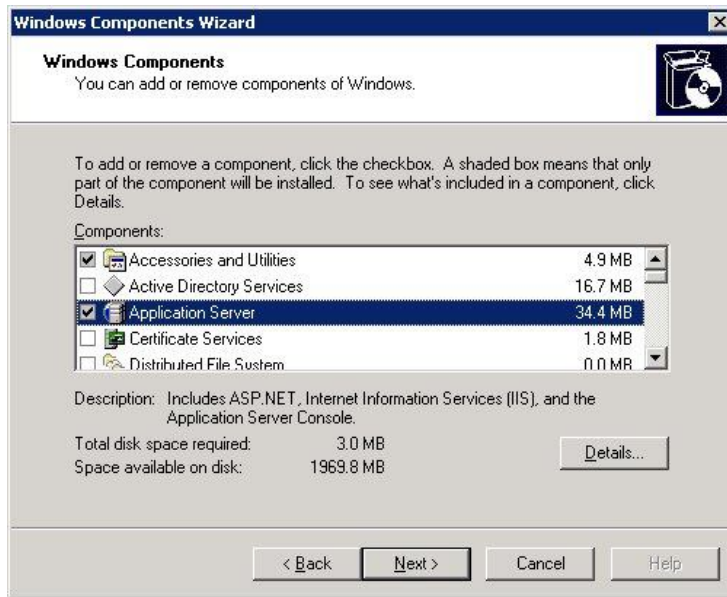
NOTE: If you are using a 64-bit version of Windows Server, setup and application needs to be started with administrative rights (right click and select "Run as administrator").

Windows 2003 Server

Follow the steps below to install IIS on Windows 2003 Server.

1. Click **Start**, then go to **Control Panel**, then select **Add or Remove Programs**.
2. Click **Add/Remove Windows Components**.
3. Click the **Application Server** check box, and then click **Details**.

Figure 1 Select Application Server



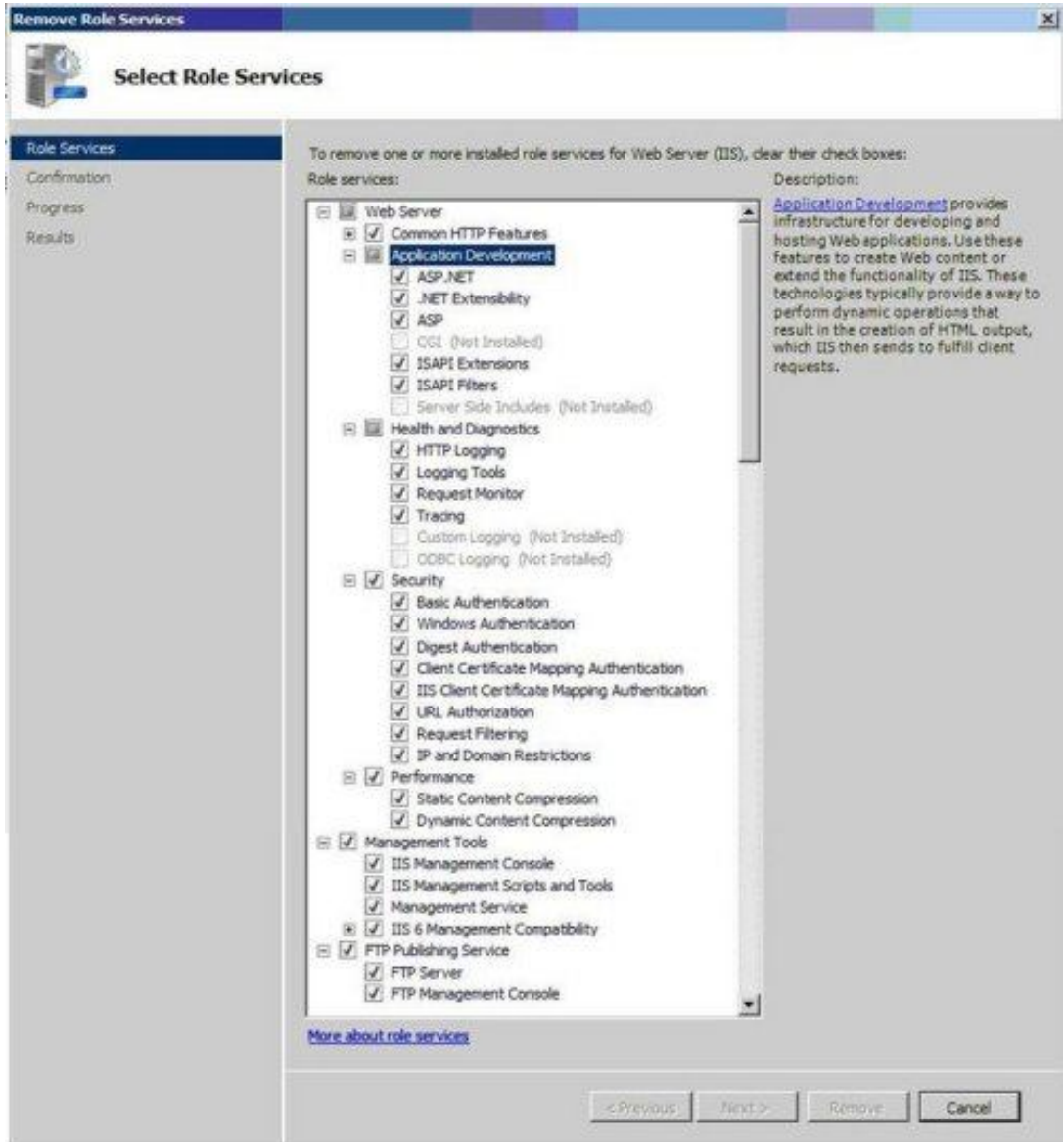
4. Click the check boxes **ASP.NET** and **Internet Information Services (IIS)**. Click **OK**.
5. Click **Next** to configure the Windows components. Then click **Finish** when configuration is complete.

Windows 2008/2008R2

Follow the steps below to install IIS on Windows 2008/2008R2:

1. Add the Web Server (IIS) role to the server. Select all the IIS 7 components shown in the following image:

Figure 2 Add Web Server role



Verification of requirements

.NET Framework

To verify whether the .NET Framework 3.5 is installed, perform the following steps:

1. Click **Start**, then **Control Panel**, then select **Add or Remove Programs**.
2. Make sure .NET Framework 3.5 appears in the list of installed programs.
 - a. If .NET Framework 3.5 does not appear, download the files from www.microsoft.com or use Microsoft Windows Update to install the files.
3. Make sure the latest service pack is installed.

Internet Information Services (IIS)

Verify that IIS is installed correctly by performing the following procedure:

1. Open your Internet browser and type **http://localhost** in the **Address** field.
2. If IIS is installed, the following page displays:

Figure 3 IIS Verification page



NOTE: If you are using a proxy server, you may be unable to see this page even if IIS is installed properly. To bypass the proxy server, perform the following procedure:

1. Open a Web browser, click **Tools**, and select **Internet Options**.
2. Click the **Connections** tab and select **LAN Settings**.
3. Check the box to **Use a proxy server for your LAN**, then check **Bypass proxy server for local addresses**.
4. Click **OK**.

If you are still unable to see the page, it may be necessary to restore the browser or default settings in Internet Options using the following steps:

1. Open a Web browser, click **Tools**, and select **Internet Options**.
 2. Click the **Security** tab, then click **Default Level**.
 3. Select the **Advanced** tab and click **Restore Defaults**.
 4. Click **OK**.
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Installing the ROI MOBILE PRINT Configuration tool

Follow the steps below to install the ROI MOBILE PRINT Configuration tool:

1. Double-click the **ROI MOBILE PRINT .exe** file. When the installation screen appears click **Next**.
2. Read and accept the license agreement, and then click **Next**.
3. Select the folder to install ROI MOBILE PRINT and click **Next**.
4. Click **Install** to accept the chosen settings and start the installation.
5. After the installation is complete, click **Finish**.

To start ROI MOBILE PRINT Configuration:

Click **Start**, then go to **All Programs**, then **ROI Mobile Print** and click **ROI Mobile Print Configuration**.

To learn how to use ROI MOBILE PRINT Configuration, go to the [Using ROI MOBILE PRINT Configuration](#) section of this guide.

Adding a ROI MOBILE PRINT pull printer

With a ROI MOBILE PRINT pull printer, users can archive their documents and jobs for future pull printing. The ROI MOBILE PRINT pull printer creates stored jobs as XML files containing simple information about the jobs, including the job name, the user name, and the date the job was submitted. For more advanced rules-based archiving, use Print Control Software ROI Print Manager. For more information, please contact Print Control Software or see the *ROI Print Manager Configuration guide*.

Follow the steps below to add a ROI MOBILE PRINT pull printer:

1. Click **Start**, then go to **Control Panel**, and then click **Printers and Faxes**.
2. Click **Add a printer** and the **Add Printer Wizard** displays.
3. Do one of the following, depending on your version of Windows:
 - Windows 2003: Click **Next**. Select **Local Printer** and clear the **Automatically detect and install my Plug and Play printer** check box. Click **Next**.
 - Windows 2008: Click **Add a local printer**.
4. Select **create a new port** and then select **ROI MOBILE PRINT Port** from the dropdown list. Click **Next**.
5. In the **Port Name** pop-up window, enter a name for the ROI MOBILE PRINT port. Click **OK**.
6. Select from the list, or download, a universal print driver that supports the printers and MFPs used for ROI MOBILE PRINT .Click **Next**.

NOTE: If your printing environment contains printers and MFPs from different manufacturers, do one of the following:

- Select a print driver that supports all of your printers and MFPs.
 - Add multiple ROI MOBILE PRINT pull printers, with different print drivers, to support each of your printers and MFPs.
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7. Select to keep or replace the existing driver and then click **Next**.
8. Enter a Printer name and click **Next**.
9. Select **Share name** and enter the share name of the printer. Click **Next**.
10. Do one of the following, depending on your version of Windows:
 - Windows 2003: Select **Yes** to print a test page and then click **Next**.
 - Windows 2008: Click **Print a test page**.Click **OK** when prompted to confirm that the test page printed correctly. Click **Finish**.

All jobs printed to the ROI MOBILE PRINT pull printer, appear in the following folder:

C:\Program Files\ROI\ROI Mobile Print \spool



TIP: If there is a large volume of print jobs in your printing environment, add more than one ROI MOBILE PRINT port to the ROI MOBILE PRINT pull printer to enable printer pooling. This allows multiple jobs from multiple users to spool at the same time. To add a new port:

1. In the **Printers and Faxes** folder, right-click the ROI MOBILE PRINT pull printer and select **Properties**.
 2. In the **Properties** window, click the **Ports** tab.
 3. Click **Add Port**.
 4. From the list in the **Printer Ports** window, select **ROI MOBILE PRINT port**, then click **New Port**.
 5. In the **Port Name** window, enter a name for the new ROI MOBILE PRINT port. Click **OK**.
 6. To add more ROI MOBILE PRINT ports, repeat steps 4 and 5. When you are finished adding ports, click **Close** in the **Printer Ports** window.
 7. In the printer's **Properties** window, click the **Enable printer pooling** check box and then select all the ROI MOBILE PRINT ports you want to pool. Click **Apply** and then click **Close**.
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Using ROI MOBILE PRINT Configuration Tool

The following sections illustrate and describe the tabs, menus and options in the ROI MOBILE PRINT Configuration tool.

Settings tab

Use the Settings tab to enter the device user name and password, locate the stored jobs folder, and view license information. Be sure to click **Save** after making any changes.

Figure 4 Settings tab

The screenshot shows the 'ROI Mobile Print' application window with the 'Settings' tab selected. The window has a menu bar with 'File', 'Device', 'Database tools', and 'Help'. Below the menu bar, there are three tabs: 'Configuration', 'Settings', and 'License'. The 'Settings' tab is active and contains several sections:

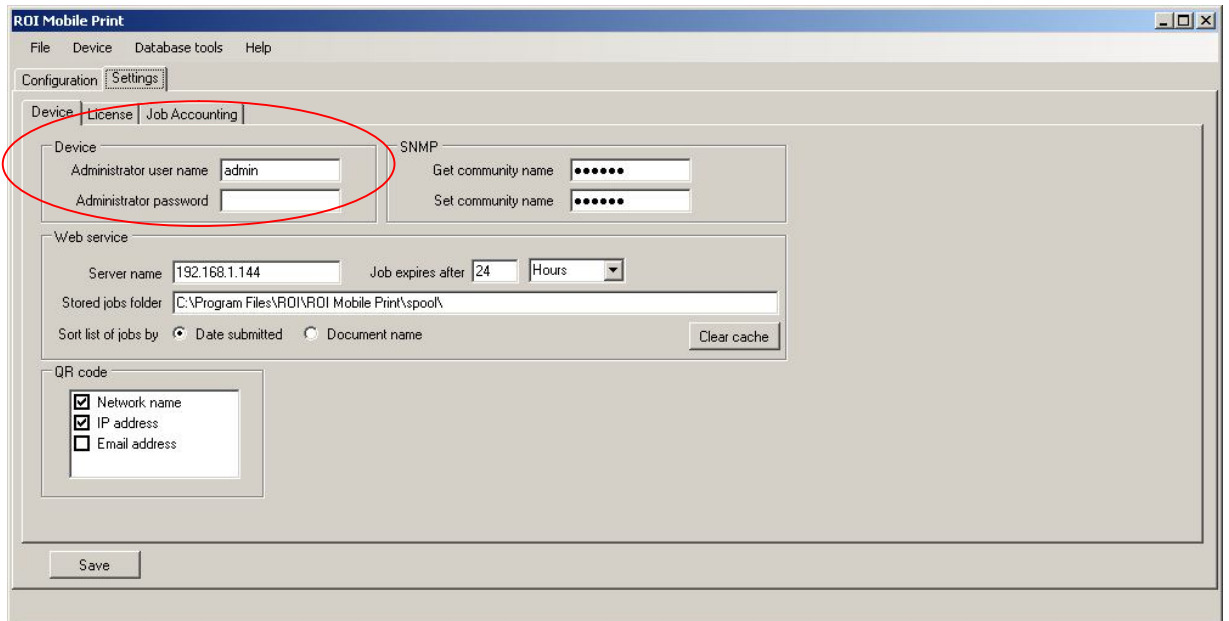
- Device:** Includes fields for 'Administrator user name' (containing 'admin') and 'Administrator password'.
- SNMP:** Includes fields for 'Get community name' and 'Set community name', both containing masked text (dots).
- Web service:** Includes a 'Server name' field (containing '192.168.1.144'), a 'Job expires after' field (containing '24') with a 'Hours' dropdown menu, and a 'Stored jobs folder' field (containing 'C:\Program Files\ROI\ROI Mobile Print\spool\'). There is also a 'Sort list of jobs by' section with radio buttons for 'Date submitted' (selected) and 'Document name', and a 'Clear cache' button.
- QR code:** Includes a list of checkboxes: 'Network name' (checked), 'IP address' (checked), and 'Email address' (unchecked).

A 'Save' button is located at the bottom of the window.

Device settings

Enter the device administrator user name and password before scanning for and configuring MFPs.

Figure 5 Device settings



The screenshot shows the ROI Mobile Print software interface. The main window has a menu bar with 'File', 'Device', 'Database tools', and 'Help'. Below the menu bar, there are tabs for 'Configuration' and 'Settings'. Under 'Settings', there are sub-tabs for 'Device', 'License', and 'Job Accounting'. The 'Device' sub-tab is selected and highlighted with a red circle. It contains the following fields:

- Administrator user name:
- Administrator password:
- SNMP section:
 - Get community name:
 - Set community name:

Below the Device section, there is a 'Web service' section with the following fields:

- Server name:
- Job expires after: Hours
- Stored jobs folder:
- Sort list of jobs by: Date submitted Document name
- Clear cache button

At the bottom, there is a 'QR code' section with the following options:

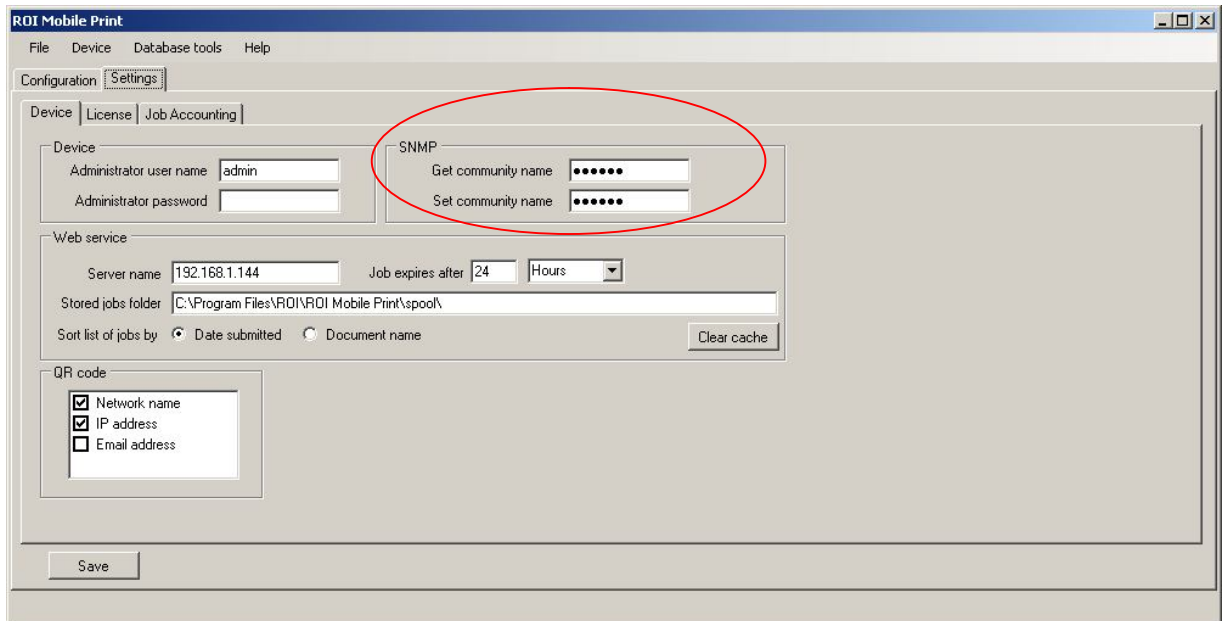
- Network name
- IP address
- Email address

A 'Save' button is located at the bottom left of the window.

SNMP settings

Enter the Get and Set community names in the fields provided.

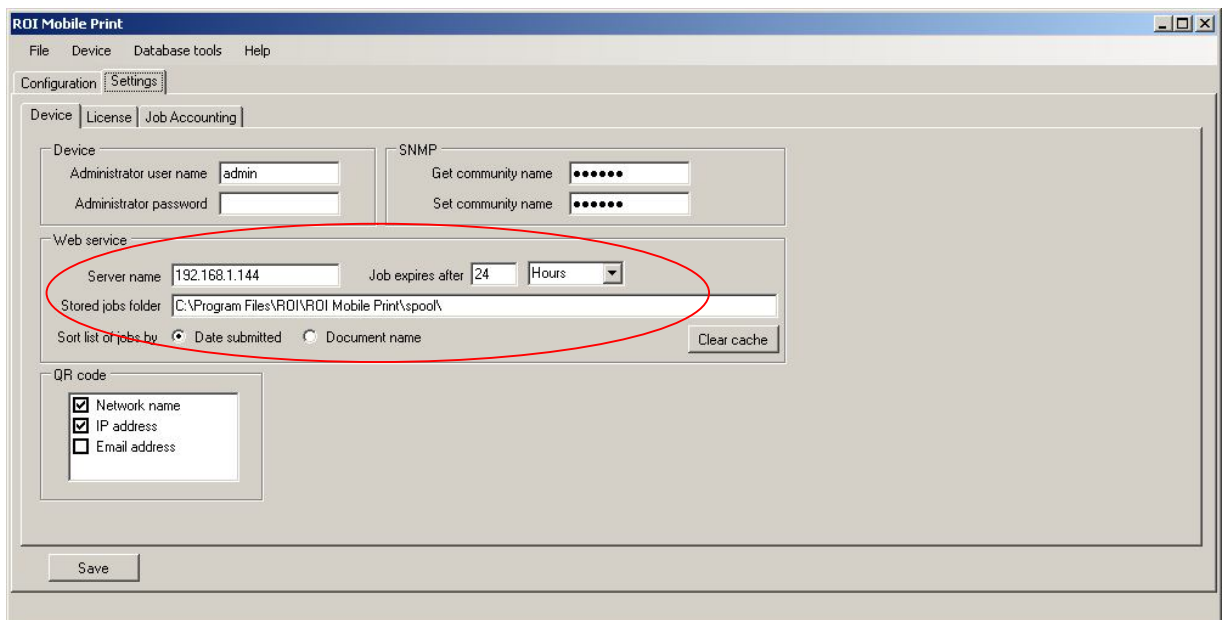
Figure 6 SNMP settings



ROI Mobile Print settings

The ROI Mobile Print section allows the administrator to locate the stored jobs folder, customize the order of the jobs, and set the job expiration date.

Figure 7 ROI Mobile Print settings



In the **Server name** field, type the name or IP address of the server containing the stored jobs.

In the **Stored jobs folder** field, type the location of the folder containing stored jobs, or double-click the text field to browse for the folder location. The default location is shown in Figure 7.

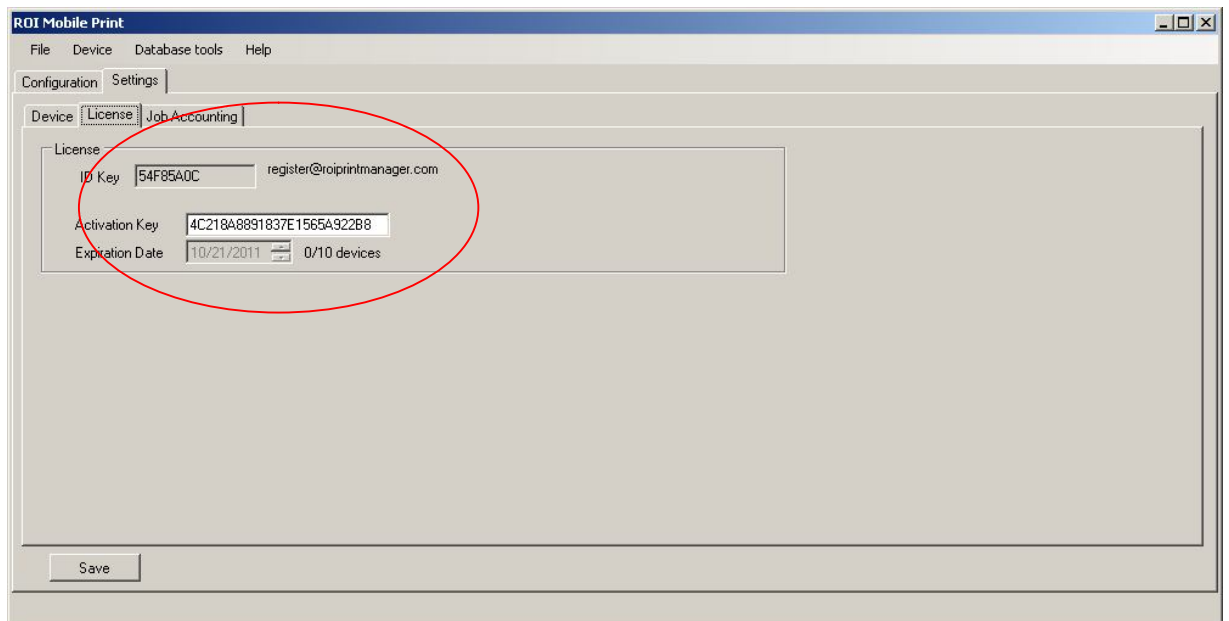
Next to **Sort list of jobs by**, select one of the two sorting options to apply to the jobs list displayed on the ROI MOBILE PRINT Web page, the MFP front panel and the ROI MOBILE PRINT mobile application.

Next to **Job expires after**, use the text field and drop-down menu to select when you want the jobs to expire. The default expiration time is 24 hours.

License settings

The License section displays the licensing **ID Key**, **Activation Key** and **Expiration Date**. This section also displays the number of devices currently licensed and the total number of allowed licenses for the Activation key. The default license includes up to 10 devices and expires two weeks after the day of installation.

Figure 8 License settings



The screenshot shows the ROI Mobile Print software interface. The 'License' section is highlighted with a red circle. It contains the following fields:

Field	Value	Additional Info
ID Key	54F85A0C	register@roiprintmanager.com
Activation Key	4C218A8891837E1565A922B8	
Expiration Date	10/21/2011	0/10 devices

A 'Save' button is located at the bottom of the window.

NOTE: If the license Activation Key is expired, a red icon displays, indicating the license is invalid.



The screenshot shows a 'License' dialog box with the following fields and values:

- ID Key: 433E1A51
- Email ID key to: register@capellatech.com
- Activation Key: C691CBCE6499299DC9F7A1F8
- Expiration Date: 11/ 1/2010
- Devices: 0/5 devices

A red error icon is visible next to the expiration date, and a message box at the bottom of the dialog reads 'Invalid license'. A 'Save' button is located at the bottom left of the dialog.

Figure 9 Invalid license

Using ROI MOBILE PRINT from a mobile device or Web page

Before ROI MOBILE PRINT can be used from a mobile device, Web page, or MFP front panel, the ROI MOBILE PRINT Configuration tool must first be installed on the server.

Using ROI MOBILE PRINT from a mobile device

Below is a list of ROI MOBILE PRINT -supported mobile device operating systems with respective links to the download pages. Follow the preferred link and download the ROI MOBILE PRINT application to your mobile device.

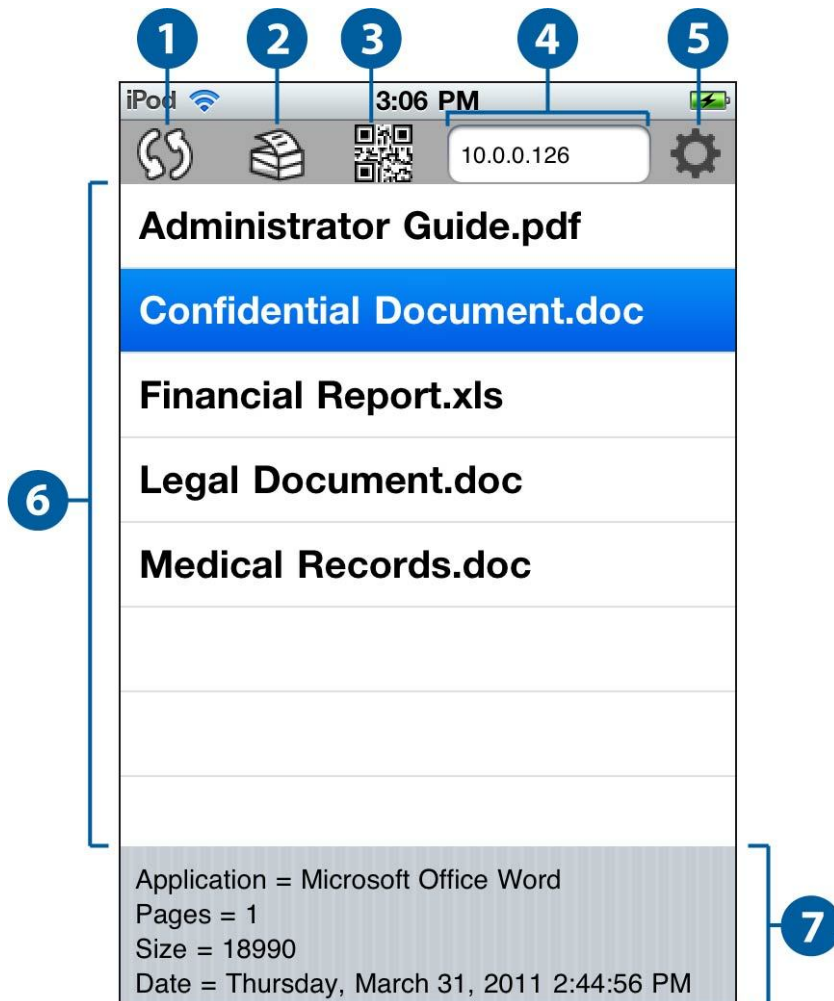
- **iOS:** to download, go to <http://itunes.apple.com/us/app/roi-mobile-print/id482939528?ls=1&mt=8>
- **Blackberry:** to download, go to <http://appworld.blackberry.com/webstore/content/59351?lang=en>
- **Windows Phone 7:** to download, go to <http://social.zune.net/redirect?type=phoneApp&id=2fca8f4a-e075-e011-81d2-78e7d1fa76f8>
- **Android:** to download, go to <https://market.android.com/search?q=roi+mobile+print&so=1&c=apps>

NOTE: ROI MOBILE PRINT app functionality varies, depending on the mobile operating system used. As an example, this guide shows how to use ROI MOBILE PRINT on an iOS mobile device.

Follow the steps below to securely route jobs using a mobile device.

8. On your mobile device, tap the ROI MOBILE PRINT icon  to open the ROI MOBILE PRINT home screen:

Figure 10 ROI MOBILE PRINT home screen



1	Refresh	Tap to refresh the list of jobs
2	Print	Tap to print the selected job
3	Barcode scanner	Tap to go to the barcode scanner screen
4	Address field	The address (IP address or network name) of the MFP device
5	Settings	Tap to go to the Settings screen
6	Jobs list	The list of the user's stored jobs
7	Job details	Details about the selected job, including the following

information:

- **Application:** The job's application name
 - **Pages:** The number of pages the job contains
 - **Size:** The size of the job in bytes
 - **Date:** The day and time the job was stored
-


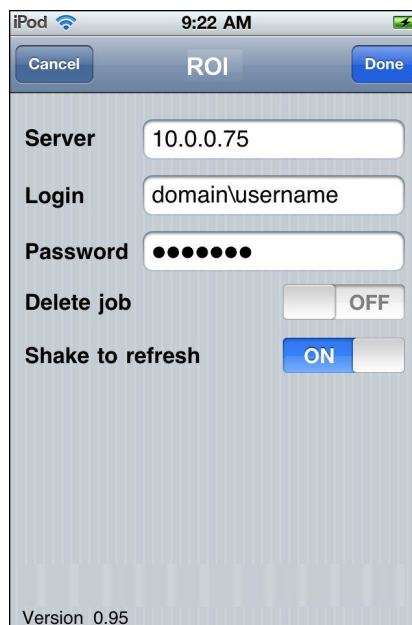
9. Tap the settings icon  to go to the ROI MOBILE PRINT Settings screen:

Figure 11 ROI MOBILE PRINT settings




- **Server:** Enter the name or IP address of the server containing stored jobs.
 - **Login:** Enter the login name for the user, using the following format: *domain\username*.
 - **Password:** Enter the user password.
 - **Delete job:** Turn on or off. With “Delete job” on, a job is deleted after it is printed.
 - **Shake to refresh:** Turn on or off. With “Shake to refresh” on, shaking the mobile device refreshes the jobs list.
10. After making changes on the Settings screen, tap **Done** to return to the ROI MOBILE PRINT home screen.

11. From the ROI MOBILE PRINT home screen, select the printer or MFP to where you want to route the jobs. There are two methods to select the printer or MFP:



- Tap the barcode scanner icon to go to the barcode scan screen. Point the mobile device's camera at the barcode, displayed on the front panel, so that the barcode is visible within the mobile device's on-screen rectangle. When the scan is complete, the ROI MOBILE PRINT home screen displays and the MFP's network name appears in the Address field.
- In the Address field, enter the IP address of the printer or MFP.

12. Tap a job from the Jobs list and then tap the print icon  to route the job to the selected printer or MFP.

To delete a job from the Jobs list, slide your finger across the job name and then tap **Delete**.



TIP: To delete on webOS, Windows Phone 7 and Android mobile devices, select a job from the list and then select the **Delete** button.

Using ROI MOBILE PRINT from a Web page

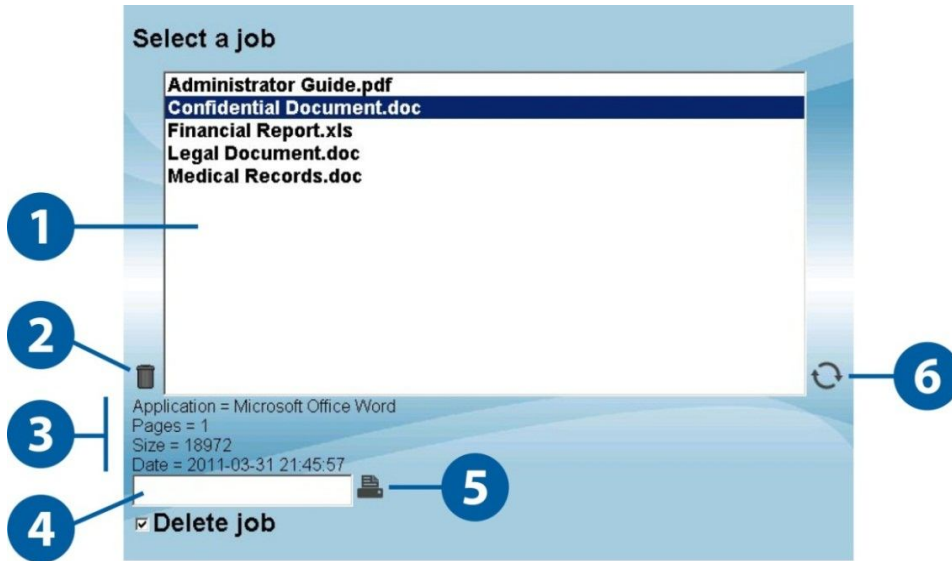
Follow the steps below to use the ROI MOBILE PRINT Web page to route jobs from the server to a printer or MFP:

13. Open a Web browser and in the address field, enter the following URL, where *server* is the name or IP address of the server:

`http://server/ROIMobilePrint`


14. When prompted, enter the user name and password, with the user name in the following format: `domain\username`. Click **OK** and the ROI MOBILE PRINT Web page displays:


Figure 12 ROI MOBILE PRINT Web page




1	Jobs list	The list of the user's stored jobs
2	Trash	Click to delete the selected job
3	Job details	Details about the selected job, including the following information: <ul style="list-style-type: none"> • Application: The job's application name • Pages: The number of pages the job contains • Size: The size of the job in bytes • Date: The day and time the job was stored
4	Address field	The address (IP address or network name) of the MFP device
5	Print	Tap to print the selected job
6	Refresh	Tap to refresh the list of jobs

15. Type the IP address of the printer or MFP in the Address field.

16. Click a job from the Jobs list and then click the print icon  to direct the job to the printer or MFP.

To delete a job from the Jobs list, click a job from the list and then click the trash icon .

To refresh the Jobs list, click the refresh icon .

Click the **Delete job** checkbox to delete the job after it is printed. If **Delete job** is unchecked, the job will remain in the Jobs list after it is printed.