

Driverless Printing Using Mobile Devices with Novell iPrint Cheat Sheet

Novell iPrint Appliance is a virtual appliance that offers cross-platform and self-service printing for your enterprise. It allows users to print from your current printers by using their desktops, laptops, and mobile devices. The iPrint appliance runs as a virtual machine within any virtualization environment such as VMware, Windows Hypervisor, or Xen.

Follow the steps to deploy the Novell iPrint Appliance and get your first print by using your mobile device.

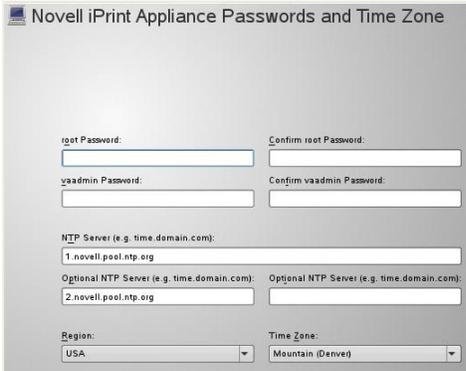
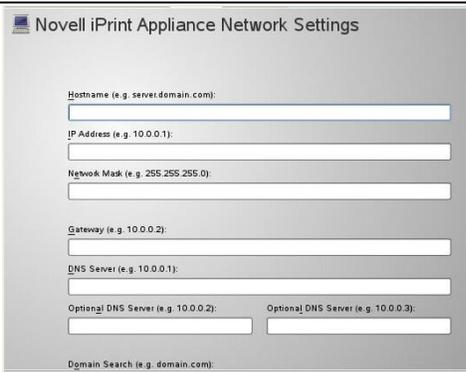
Virtualized Server Requirements

	<ul style="list-style-type: none">• Virtualization software that can run the .ovf, .vhd, or .xen file formats.• Static IP address with valid DNS entry for iPrint Appliance server.• 4 GB RAM or higher.• Primary disk with 40 GB hard disk space.• Recommended to add secondary disk.
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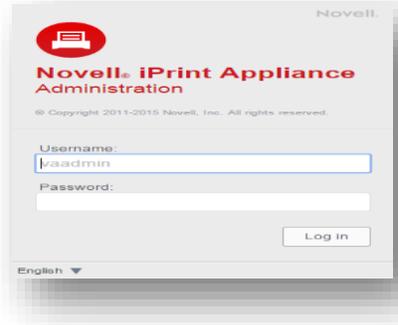
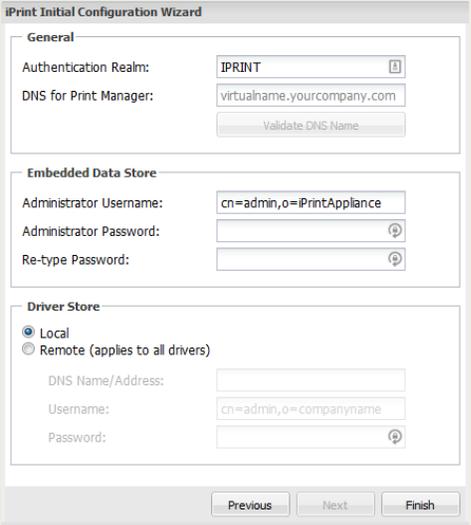
Downloading iPrint Evaluation

	<p>Link to download the iPrint Appliance: https://download.novell.com/Download?buildid=MPaEAM3RuUE~</p>
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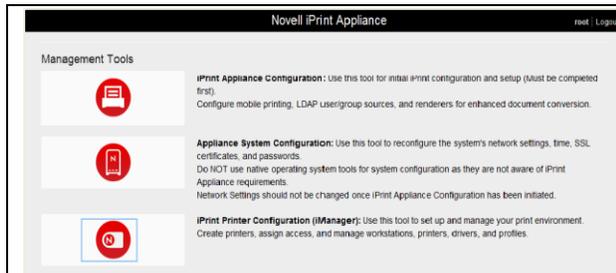
Deploying iPrint

 <p>Novell iPrint Appliance Passwords and Time Zone</p> <p>root Password: <input type="text"/> Confirm root Password: <input type="text"/></p> <p>vaadmin Password: <input type="text"/> Confirm vaadmin Password: <input type="text"/></p> <p>NTP Server (e.g. time.domain.com): 1.novell.pool.ntp.org</p> <p>Optional NTP Server (e.g. time.domain.com): 2.novell.pool.ntp.org</p> <p>Optional NTP Server (e.g. time.domain.com): <input type="text"/></p> <p>Region: <input type="text" value="USA"/> Time Zone: <input type="text" value="Mountain (Denver)"/></p>	<ul style="list-style-type: none">• Specify password for root and vaadmin user. These passwords will be used to log in to the iPrint Management Console.• Specify the details like NTP server, region and its corresponding time zone.
 <p>Novell iPrint Appliance Network Settings</p> <p>Hostname (e.g. server.domain.com): <input type="text"/></p> <p>IP Address (e.g. 10.0.0.1): <input type="text"/></p> <p>Network Mask (e.g. 255.255.255.0): <input type="text"/></p> <p>Gateway (e.g. 10.0.0.2): <input type="text"/></p> <p>DNS Server (e.g. 10.0.0.1): <input type="text"/></p> <p>Optional DNS Server (e.g. 10.0.0.2): <input type="text"/></p> <p>Optional DNS Server (e.g. 10.0.0.3): <input type="text"/></p> <p>Domain Search (e.g. domain.com): <input type="text"/></p>	<ul style="list-style-type: none">• Specify hostname (FQDN format) associated with the Appliance's IP address.• Specify the static IP address with netmask, gateway, and name server.
<p>The system is ready for appliance configuration.</p> <p>To configure the appliance:</p> <ol style="list-style-type: none">1. At your management workstation, open a browser and enter one of the following URLs: <input type="text" value="https://blr8-111-86.labs.blr.novell.com:9443"/> <input type="text" value="https://164.99.111.86:9443"/>2. Log in as vaadmin with the password that you set. <p>IMPORTANT: Do not use the terminal prompt before consulting the documentation. Appliance administration requires appliance-specific tools. Using standard tools can result in service disruption or failure.</p>	<p>On succesful deployment, use the Management Console to configure the appliance.</p> <ul style="list-style-type: none">• On your workstation, open the web browser and use either the DNS name or the IP address of the iPrint Appliance to access the Management Console. For example, <code>http://iprint.example.com:9443</code>

Configuring the Appliance Using Management Console

 <p>The image shows the Novell iPrint Appliance Administration login page. It features the Novell logo at the top left, followed by the title 'Novell iPrint Appliance Administration' and a copyright notice for 2011-2015. Below this, there are two input fields: 'Username:' with 'vaadmin' entered and 'Password:' which is empty. A 'Log In' button is positioned to the right of the password field. At the bottom left, there is a language dropdown menu set to 'English'.</p>	<ul style="list-style-type: none"> • Specify the username as "vaadmin" or "root". • Specify the password, you configured earlier in the Novell iPrint Appliance Passwords and Time zone screen.
 <p>The image shows the 'Management Tools' section of the Novell iPrint Appliance console. It lists three tools: 'iPrint Appliance Configuration' (highlighted with a blue box), 'Appliance System Configuration', and 'iPrint Printer Configuration (iManager)'. Each tool has a brief description of its function.</p>	<ul style="list-style-type: none"> • Click the iPrint Appliance Configuration icon. • Select <i>New</i>, then click <i>Next</i>.
 <p>The image shows the 'iPrint Initial Configuration Wizard' with the 'General' and 'Embedded Data Store' tabs selected. The 'General' tab includes fields for 'Authentication Realm' (set to 'IPRINT'), 'DNS for Print Manager' (set to 'virtualname.yourcompany.com'), and a 'Validate DNS Name' button. The 'Embedded Data Store' tab includes fields for 'Administrator Username' (pre-filled with 'cn=admin,o=iPrintAppliance'), 'Administrator Password', and 'Re-type Password'. Below these, the 'Driver Store' section has radio buttons for 'Local' (selected) and 'Remote (applies to all drivers)'. The 'Local' section has fields for 'DNS Name/Address', 'Username' (pre-filled with 'cn=admin,o=companyname'), and 'Password'. At the bottom, there are 'Previous', 'Next', and 'Finish' buttons.</p>	<p>General</p> <ul style="list-style-type: none"> • For Authentication Realm, continue with the default value (<i>IPRINT</i>). • Specify the hostname (FQDN format) for the Print Manager service. If left blank, the Print Manager service is configured with same hostname of the iPrint Appliance. <p>Embedded Data Store – To perform printer management, specify the credentials that are required to log in to iManager.</p> <ul style="list-style-type: none"> • The username is pre-populated and not editable. • Specify the password to log in to the iManager. <p>Driver Store</p> <ul style="list-style-type: none"> • Continue with the default selection (<i>Local</i>). <p>On successful configuration, the Mobile Configuration screen is displayed. You must now create printers using iManager.</p>

Setting up Print System Using iManager

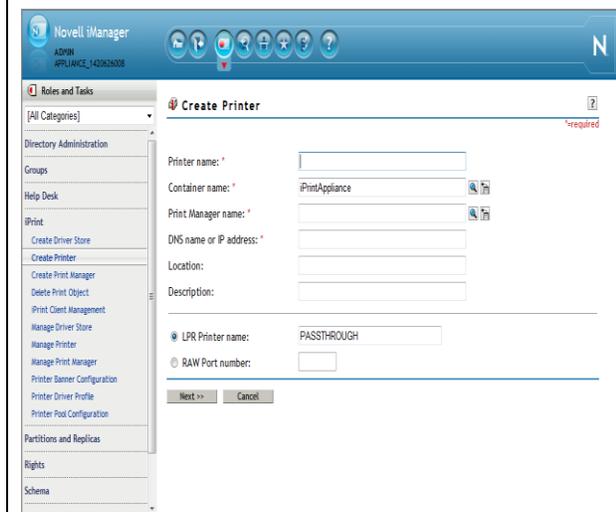


Accessing iManager

- On your workstation, open the web browser and use either the DNS name or the IP address to access the Management Console. For example, <https://iprint.example.com/admin>
- In the Management Console, click iPrint Printer Configuration (iManager) icon.



- In the Novell iManager Login screen, specify the user name as "admin" and the password you specified in the "iPrint Initial Configuration Wizard" screen.



- 1) Click *iPrint > Create Printer*. Specify all the required details:

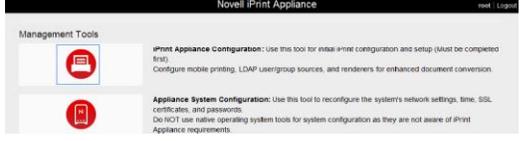
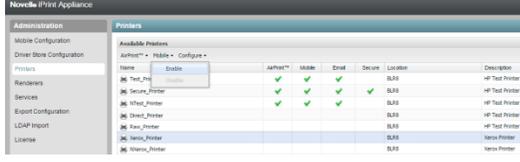
- Printer name: This name will be used to advertise the printer as an iPrint printer.
- Container name: Continue with the default value *iPrintAppliance*.
 - Print Manager Name: Browse and select the value as *print_manager.iPrintAppliance*. The Print manager object is available under the *iPrintAppliance* container.
- DNS name or IP address: Host name or IP address of the printer.
- LPR Printer name: Continue with the default value *PASSTHROUGH*.

- 2) Click *Next*.

- 3) Click *Next*. No selection of driver is required because iPrint ships with a driver for printing using mobile devices.

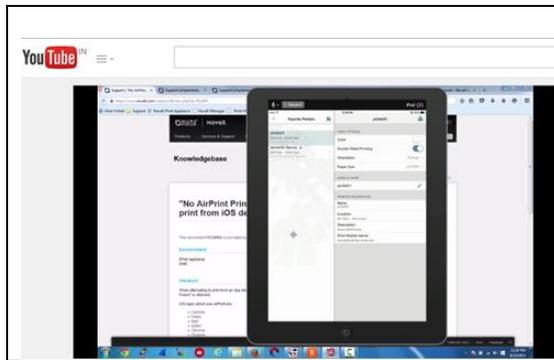
- 4) Click *OK*. This creates the printer object.

Enabling Novell iPrint for Mobile Printing

	<ul style="list-style-type: none"> • On the web browser, use either the DNS name or the IP address to access the Management Console. For example, http://iprint.example.com/admin 																																								
 <table border="1"> <thead> <tr> <th>Name</th> <th>Mobile</th> <th>Enabled</th> <th>Location</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Test_Printer</td> <td><input type="checkbox"/></td> <td></td> <td>BL08</td> <td>HP Test Printer</td> </tr> <tr> <td>Secure_Printer</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>BL08</td> <td>HP Test Printer</td> </tr> <tr> <td>Other_Printer</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>BL08</td> <td>HP Test Printer</td> </tr> <tr> <td>Other_Printer</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>BL08</td> <td>HP Test Printer</td> </tr> <tr> <td>New_Printer</td> <td><input type="checkbox"/></td> <td></td> <td>BL08</td> <td>HP Test Printer</td> </tr> <tr> <td>Other_Printer</td> <td><input type="checkbox"/></td> <td></td> <td>BL08</td> <td>Novell Printer</td> </tr> <tr> <td>Other_Printer</td> <td><input type="checkbox"/></td> <td></td> <td>BL08</td> <td>Novell Printer</td> </tr> </tbody> </table>	Name	Mobile	Enabled	Location	Description	Test_Printer	<input type="checkbox"/>		BL08	HP Test Printer	Secure_Printer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BL08	HP Test Printer	Other_Printer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BL08	HP Test Printer	Other_Printer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BL08	HP Test Printer	New_Printer	<input type="checkbox"/>		BL08	HP Test Printer	Other_Printer	<input type="checkbox"/>		BL08	Novell Printer	Other_Printer	<input type="checkbox"/>		BL08	Novell Printer	<ul style="list-style-type: none"> • Click iPrint Appliance Configuration. • Under Administration, click Printers. • Select the printers that you want to enable for mobile printing. • Click <i>Mobile > Enable</i>.
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Configuring Mobile Device

	<p>The printers are now enabled for mobile printing; you can download and install the Novell iPrint Mobile App from the Windows App Store, Google PlayStore, BlackBerry World App store, Apple App store, or the Amazon App store to your mobile devices and start printing to any printer in your organization's network.</p>
	<p>For example, we have provided the steps for Android device.</p> <ol style="list-style-type: none"> 1. Launch the Novell iPrint app on the mobile device. 2. Specify the iPrint Mobile Server address (iPrint Appliance address). 3. Specify the User ID and Password, then tap OK. To save the password, turn on Save Password. This is the user that you created in iManager. 4. Open a document that you want to print. 5. Tap the options button, then tap Share. 6. Tap Novell iPrint. 7. Tap Printers. 8. Tap the more icon in the upper-right corner of the screen, then choose a printer from the list of available printers. 9. Set your print preferences. 10. Tap Print. <p>The document is successfully printed.</p>



To configure iPrint Appliance to print using the iOS AirPrint feature, see the [iOS Printing with the Novell iPrint Appliance](#) video on YouTube.