

# NPrinting AMI: Post-deployment and product configuration

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## Post-deployment configuration

Purpose:

- Set up the environment credentials such as passwords and secrets are unique to the installation.
- Set up the system configuration, such as services, so that the product will work correctly in the target environment.

Before configuring your deployment, stop all NPrinting services except for the Qlik NPrinting Repository Service and Qlik NPrinting Messaging Service.

### Change the services user account (temporary local account)

**Note:** You can skip this step if you already have a valid service account to run NPrinting services.

NPrinting services are preinstalled using the `.ladministrator` account as the service account. As the EC2 instance is deployed, the user password changes. If you need to restart the NPrinting service, edit the service properties and update the user password. Retrieve the password from the QWS web console to allow logging into the EC2 instance.

This change is temporary until the user account is changed to a domain account as a permanent setting. For more information, see [Change services user account](#).

### Change the services user account

**Note:** If you don't have the service account to run NPrinting services, you can configure the local administrator password, see [Change services user account \(temporary local account\)](#), and proceed with the rest of the configurations in this guide. You can change this configuration before connections to your Qlik Sense instances are created.

The Windows account running Qlik NPrinting WebEngine, Scheduler, and Audit services must be a local administrator and have Log on service privileges. The account running the Qlik NPrinting Engine must be a domain account in the same domain as the Qlik Sense server to which you are connecting, and have a local administrator with Log on service privileges. For more information, see [User accounts](#).

In addition to these requirements, the user must be:

- A member of the local Administrators group.
- Granted Log on as Service permission (using Local Security Policy in the NPrinting server).

**To set the domain account for running NPrinting services:**

1. Stop NPrinting services from Task Manager or Services.
2. Open the service details from Services.
3. Change the Log on information (username and password) for the service.

See the [Qlik NPrinting Help](#) for more information.

### Change the repository database passwords

By default, the superuser database password is set to the value: **qlik123**.

To change the database password, you can use **PgAdmin 4**, which comes preinstalled on the EC2 instance.

Before changing the password, stop the **NPrinting WebEngine**, **Scheduler**, and **Audit services**.

### Update database user passwords

Start PgAdmin 4 and create a connection using the following parameters for the server configuration. For more information, see [Connecting to a server](#).

- Host: **localhost**
- Port: **4992**
- Username: **postgres**
- Password: **qlik123**

NPrinting uses two users to connect.

- **postgres** is used for the connection from the WebEngine and Scheduler service and for database maintenance.
- **nprinting\_audit** is used to log audit events if auditing is enabled.

Change passwords for these users using PgAdmin. For more information, see [Change Password Dialog](#). If the current password is unknown, review the *OP-8894 PostgreSQL password protection* document to recover the password from the configuration files. You will require administrator privileges.

## Update the NPrinting configuration files

After changing user passwords, follow the steps in the *OP-8894 PostgreSQL password protection* document (*OP-9045 OP-8894 PostgreSQL password protection – updated with Audit section.pdf*) to update all NPrinting configuration files using the NPrinting Manager tool. This guide also contains information on how to retrieve lost user passwords.

## Update the RabbitMQ configuration

Before updating, check that all NPrinting services are stopped except the Qlik NPrinting Messaging Service. The Qlik NPrinting Repo Service can be either stopped or running.

## Reinstall RabbitMQ services

You must reinstall the RabbitMQ service because the hostname of your EC2 instance changes when the instance is created.

Ensure that the Services and Task Manager programs are closed. If Services is open when you reinstall, it can lock the service status, and the computer might need to be restarted.

```
cd \Program Files\NPrintingServer\rabbitmq_server-3.8.21\sbin
rabbitmq-service.bat remove
rabbitmq-service.bat install
```

If the install command prompts the error "*QlikNPrintingMessagingService has been marked for deletion*", restart the computer, and then repeat the install command .

For more information, see the following article, [Change the Qlik NPrinting Server hostname](#).

## Regenerate the RabbitMQ certificates

Regenerating RabbitMQ certificates ensures:

- Encryption keys or certificates are not shared with other deployments
- Engine configuration (see below) is more streamlined

Open a command prompt as an administrator, and then run the following commands:

```
cd \Program Files\NPrintingServer\NPrinting\RabbitMQCertificatesGenerator\  
  
RabbitMQCertificatesGenerator.exe -f -c "%ProgramData%\NPrinting\certificates" -p "%ProgramFiles%  
\NPrintingServer\rabbitmq_server-3.8.21" --generate-ec
```

## Update links on the desktop

After an EC2 deployment, the server name change will create broken links to NewsStand and WebConsole on your desktop. To update the links, do the following:

1. Open *cmd* and type *hostname* to find the current hostname of the machine.
2. Right-click the icon on desktop, select *Properties*, and then select the *Web Document* tab.
3. In the *URL* field, change the hostname of the link to the current hostname of the machine.

## Product configuration

Purpose: Configure the product in the web console so that it is operational and secure.

### Log in and configure the license

Open the NPrinting web console and log in using the credentials **admin@example.com** and password **admin**.

On the License information page, enter your license. For more information, see [Licensing Qlik NPrinting](#).

### Create a new administrator account

1. Create a new user account by following the steps on the [Creating users](#) page.
2. Assign the new user the **Administrator** role.
3. Log out of the user account [admin@example.com](#) and log in as the new user.
4. Select the **Admin > Users** menu and delete the account: **admin@example.com**. This will ensure that no default accounts persist on the machine. NPrinting will prevent you from deleting the account if the Administrator role was not assigned correctly to the new administrator account.

### Configure the engine in the web console

The EC2 instance comes with a preinstalled engine on the local machine. The engine must be configured from the web console to allow communication.

1. Open a Windows Command Prompt and type **hostname** to get the local hostname of the machine.
2. Add the engine by following steps 1 to 7 in [Adding a new engine](#).  
The local hostname of the machine is the domain name of the new engine configuration (Step 6).  
Note: Step 8 (send certificates) is not required if the RabbitMQ certificates have been recreated correctly.