

# Cora SeSequence Toolkit

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## V9.x

The Cora SeSequence Toolkit helps you perform product installation and configuration tasks.

The Toolkit includes a license request generator tool and the following configuration tools:

- LDAP Query Tester
- SMTP Tester - with basic authentication (username and password)
- Port Testing
- Encryption Tool

## Run the Cora SeSequence Toolkit

1. [Download](#) the Cora SeSequence Toolkit.
2. Run the **PNMsoft.Sequence.Toolkit.exe** file.

## Activate your Cora SeSequence license

The License Request Generator creates a license activation request file for Cora SeSequence.

You need to run the License Request Generator on the server where the Administrator site is deployed.

### NOTE

The license file is valid only for the server on which the activation request was generated.

## Scenarios

- Initial product activation (first install).
- Applying changes to license.

## Prerequisite

Before you run the License Request Generator, make sure that you have the product key. The product key is included in the product certificate.

## Procedure

1. Run the Cora SeSequence Toolkit.
2. Click **License Request Generator**.
3. Enter your Cora SeSequence product key.
4. Select the products that you need to activate, and then click **Generate**.
5. Select a location to save the licenses, and then click **Save**.
6. Upload the license request file to the [Cora SeSequence Activation Center](#).
7. Download and extract the zipped license files.
8. On the Cora SeSequence server, save the license files to `C:\ProgramFiles\PNMsoft\Licensing\Data\`.  
If you are updating existing licenses, saving the new files overwrites the old license files.

If the license activation procedure fails, contact [Support](#) with the failure details.

## IMPORTANT

Do not change the configuration section for this tool in the Toolkit configuration file.

## View LDAP query objects

With the LDAP Query Tester, you can view the returned objects for an LDAP query. Run this tool before you configure active directory synchronization with ADSS.

## NOTE

Only Microsoft On-Premise Active Directory is supported.

## Scenario

- Verify the LDAP path and filter for Activate Directory settings in Cora SeQuence.

## Prerequisites

Before you begin, make sure that you:

- You have the LDAP server name or IP address
- You have the required port number, if you cannot use the default.  
Default port numbers:
  - 389
  - 636 (Secured LDAP)
- Check with your System Administrator if your system requires a secured LDAP connection.
- Set up the user that performs that will access the Active Directory and performs the queries.  
The user needs to:
  - Have read access to the Active Directory.
  - Be in the same domain as the Active Directory.

## Procedure

The purpose of this procedure is to build a query that returns only the objects that you want to sync into Cora SeQuence.

1. Run the Cora SeQuence Toolkit.
2. Click **LDAP Query Tester**.
3. Enter the LDAP server name or IP.
4. Leave the default port number as is, unless your system requires a different port number.
5. Enter the LDAP path and filter.
6. For a secured LDAP connection, select **Enable SSL**.
7. Click **Run Query**.  
The results display in a grid.
8. To save the results to a CSV file, click **Export**.

When you achieve the required results, make sure that you use the same path and filter in ADSS.

## Configure additional attributes

You can add additional attributes to the results of the query. By default, `objectCategory`, `name`, and

`objectGuid` are included.

1. Open the `PNMsoft.Sequence.Toolkit.exe.config` file, and under `<config>`, add a new key.

Sample:

```
"distinguishedName"/>
```

#### NOTE

- If the attribute does not exist, this configuration severely impacts the query response time.
- Changes to the config file take effect *only* after you restart the Toolkit.

### Test your SMTP settings

#### IMPORTANT

SMTP testing is not valid from V9.8.3 onwards.

The SMTP Tester checks if this server can send emails using the current SMTP settings.

#### Scenario

- Test SMTP connections.

#### Prerequisite

Before you begin, make sure that you have:

- The SMTP server name or IP address.
- The SMTP port number, if required.
- An email address you can access for testing.

#### NOTE

Authentication: If the Anonymous authentication method is not allowed, make sure that you have the required credentials.

#### Procedure

1. Run the Cora SeQuence Toolkit.
2. Click **SMTP Tester**.
3. Enter the SMTP server name or IP.
4. Leave the default port 25 as is, unless your SMTP server requires a different port number.
5. Enter the email address in the **To** field.
6. To set authentication, do one of the following:
  - If the SMTP server allows anonymous access, select **Anonymous**.
  - If the SMTP server requires a different authentication method, enter the required user credentials.
7. Click **Send**.
8. Review the result message and access the email inbox to verify that the test email arrived.

### Configure email sender and subject line

You can configure additional email parameters in the Toolkit configuration file.

1. Open the `PNMsoft.Sequence.Toolkit.exe.config` file, and under `SMTPTesterConfig`, edit the following parameters:
  - o `SMTPTesterConfig FromAddress`
  - o `Subject`

```
"toolkit@sequence.com" Subject="Test mail from Sequence Toolkit"/>
```

## Test the TCP port connection

The Port Testing tool checks if the connection to a specific port is open on the local computer to the target server.

### Scenario

- Run this tool to make sure that ports are open for communication with other servers and services, such as SQL and SMTP.

### Prerequisite

- Make sure that you have the required server name and port number that you want to test.

### Procedure

1. Run the Cora SeQuence Toolkit.
2. Click **Port Testing**.
3. Enter the server name or IP and port number, and then click **Test**.
4. Review the resulting message.

## Encrypt credentials

Run the Encryption Tool to encrypt user credentials and passwords.

### Scenarios

- Update the database connection string to a new SQL user in the web or application configuration files.

### Procedure

1. Run the Cora SeQuence Toolkit.
2. Click **Encryption Tool**.
3. Do one of the following:
  - o To edit a connection string, select the **ConnectionString Encryption** tab.
  - o To encrypt a password only, select the **Password Encryption** tab.
4. Enter the username and password in the text boxes, and then click **Encrypt**.  
The result is an encrypted string that appears in the text box at the bottom of the Encryption Tool.
5. Use the copy button to copy all the encrypted text.

## V7.x and later

The Cora SeQuence Toolkit helps you perform product installation and configuration tasks. You need to run the toolkit on a machine where Cora SeQuence is installed.

When you run the tool, if you receive a system alert, click **Run Anyway**.

Download toolkit: [SeQuenceToolkit.zip](#)