

Cora Sequence 8.5 Release Notes

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31 JANUARY 2018

Check for additions and updates to these release notes. When the release notes are updated with breaking changes, the newest changes appear at the top of the list.

What's in the Release Notes

- About PNMsoft Cora Sequence
- What's New with Cora SeSequence 8.5
- New Features
- Breaking Changes
- General Enhancements
- Resolved Issues
- Installation
- Upgrade

About PNMsoft Cora SeSequence

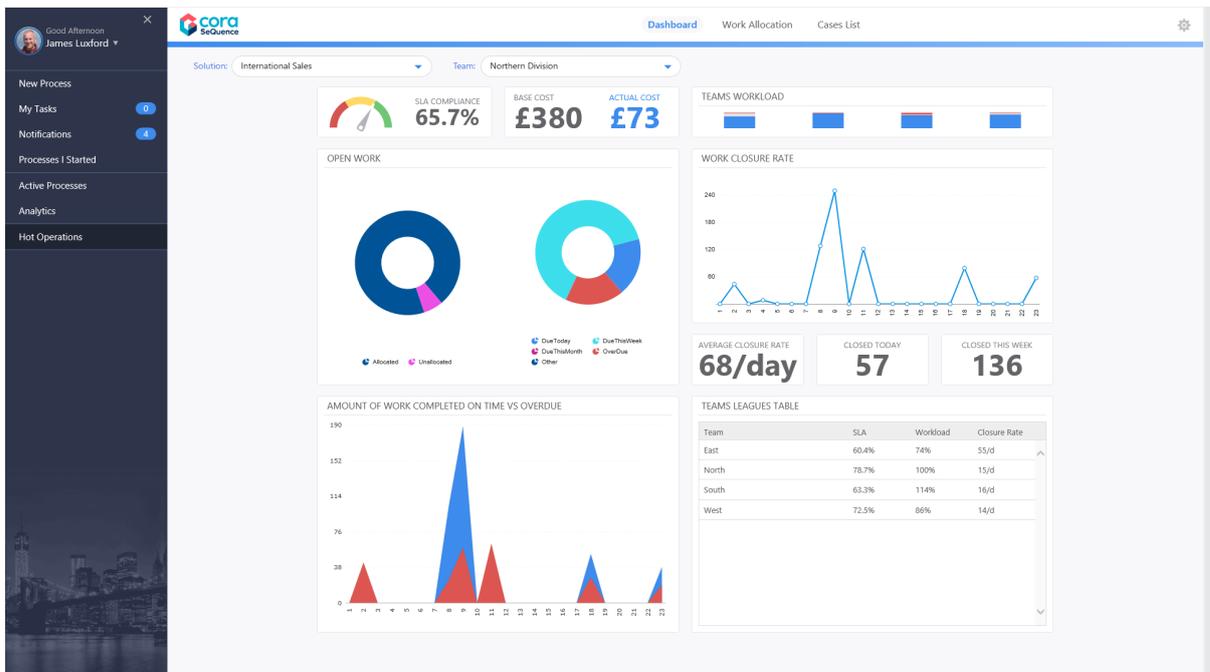
PNMsoft Cora SeSequence is an Intelligent Business Process Management Suite (iBPMS) that facilitates rapid build and change of high availability, mobile-enabled workflow applications. Cora SeSequence is built on HotChange technology, an architecture that enables organizations to modify, integrate, and distribute business processes with zero downtime in the production environment. Business users and developers can seamlessly design and execute workflows on a single canvas using Dual View. Cora SeSequence is a low-code platform that also supports advanced development capabilities.

What's New with Cora SeSequence 8.5

Cora SeSequence 8.5 introduces additional layers on HotOperations, support for SAML 2.0 and OAuth authentication, and the Go To Activity, a flow activity that enables you to run an unstructured workflow by jumping to another section of a workflow.

New Features

- **HotOperations Operations Manager for sub-Root Groups:** You can now define Operations Managers for the root group and sub-groups in a HotOperations solution, which enables operations managers to focus on the groups they are directly responsible for. For more information, see [HotOperations Portal - Operations Manager](#).



- **HotOperations Dashboard Suite:** You can now create customized dashboards for HotOperations solutions, for both Operations Managers and Team Leaders. For more information, see [Create a HotOperations Dashboard Suite](#).
- **Workflow Design Time Roles:** We created a specific set of permissions that define levels of access for users developing workflows in App Studio. There are several out-of-the-box Workflow Design Time Roles. You can also create custom Workflow Design Time Roles. For more information, see [Workflow Design Time Roles](#).

The Workflow Design Time Roles configuration page displays the following roles and their permissions:

| Edit | Name | Allowed | Denied | Duplicate | Delete |
|------|--------------------|--|---|-----------|--------|
| | Business Analyst | View | | | |
| | Support | View, Set Runtime Permissions | | | |
| | Workflow Developer | All | | | |
| ✓ | AllDeny | | View, Edit, Manage Versions, Set Runtime Permissions, Set Design-Time Permissions | | ✗ |
| ✓ | AllowDesignTime | Set Design-Time Permissions | | | ✗ |
| ✓ | AllowEdit | | | | ✗ |
| ✓ | AllowManageVersion | | | | ✗ |
| ✓ | AllowRunTime | Set Runtime Permissions | | | ✗ |
| ✓ | DenyEdit | | Edit | | ✗ |
| ✓ | | View, Set Runtime Permissions, Manage Attached Objects | Edit, Manage Versions, Set Design-Time Permissions | | ✗ |

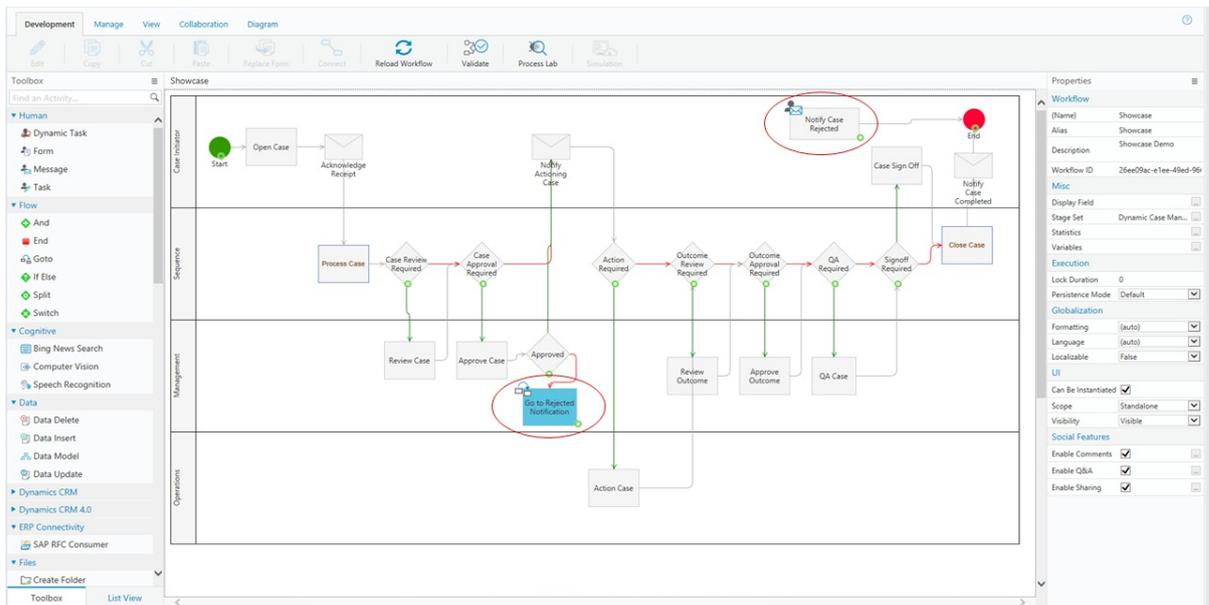
Page size: 10 | 13 items in 2 pages

The screenshot displays the 'Workflow Design Time Role' configuration interface in Cora SeSequence. On the left, a navigation sidebar lists various system settings under 'Administration' and 'Security'. The 'Workflow Design Time Roles' option is highlighted. The main panel shows the configuration for a role named 'Junior Developer'. It includes a 'Name' field with the value 'Junior Developer' and an empty 'Description' field. Below these are 'Permissions' for a 'General' role, with the following settings:

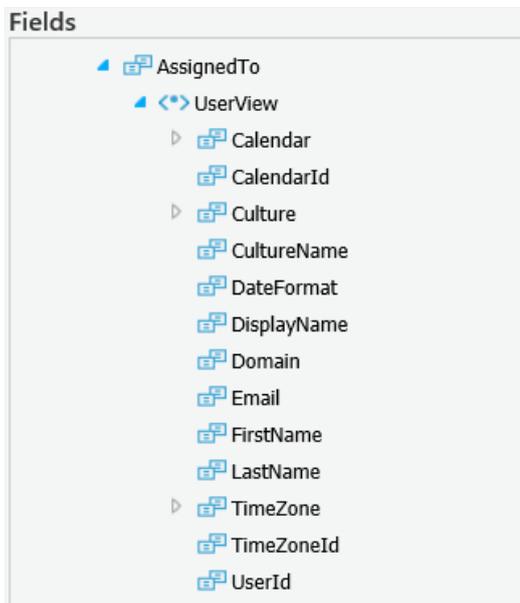
| Permission | Not set | Allow | Deny |
|-----------------------------|---------|-------|------|
| View | Not set | Allow | Deny |
| Edit | Not set | Allow | Deny |
| Manage Versions | Not set | Allow | Deny |
| Set Runtime Permissions | Not set | Allow | Deny |
| Set Design-Time Permissions | Not set | Allow | Deny |
| Manage Attached Objects | Not set | Allow | Deny |

At the bottom of the configuration panel, there are 'Add' and 'Cancel' buttons.

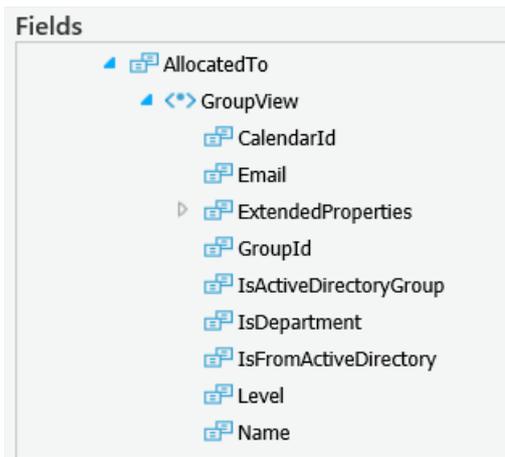
- Go To Activity:** Enables you to run an unstructured workflow by jumping to another section of a workflow, based on input received from an activity that was executed earlier in the workflow. This reduces the number of physical connectors (links) needed in complex workflows. For more information, see the [Go To Activity](#).



- **Application Variables:** You can now define dynamic variables that enable you to reuse values that you commonly use in Cora SeSequence. You define a key and its value in the Application Variables table, and then use the key in any Cora SeSequence expression. For more information, see [Manage Application Variables](#).
- **Dynamic Task Allocation Expressions:** We created two new expressions that enable you to identify a dynamic task's assignments and allocations.
 - *AssignedTo*: the users that a dynamic task is assigned to.



- *AllocatedTo*: the groups that a dynamic task is allocated to.



Breaking Changes

- Email Templates:** When you upgrade from Cora SeQuence v8.4, you need to change the token markup for the templates imported during the upgrade. Replace the colon ":" with an equal sign "=", to render the expression in HTML format.

Before

Update Table: Email Templates

Name *

(Default Email Template)

Template *

```

{{: @to }}
<table border="1" width="940" height="250" style="border-style:solid;border-color:#D9D9D9;border-
<tr>
<td style="border:none;padding-left:30px;height:50px;">
<div style="font-family:arial;font-size:16px;color:#3C8BEE;">
{{: @subject }}
</div>
</td>
</tr>
<tr>
<td style="border:none;padding-left:30px;padding-right:220px;">
<div style="font-family:arial;font-size:14px;color:#404040;width:680px;height:100px;vertical-align:top;">
{{! @body }}
</div>
</td>
</tr>
<tr>
<td style="border:none;padding-left:30px;padding-right:30px;height:75px;">
<hr style="color:#D9D9D9;border-top: 1px solid;">
<div style="font-family:arial;font-size:10pt;color:#A6A6A6;padding-top:7px;">Powered by Cora SeQu
</td>
</tr>
</table>

```

(parameters)

- @subject
- @body
- @from
- @to
- @cc
- @bcc

After

Update Table: Email Templates

Name *

(Default Email Template)

Template *

```
[[ @to ]]  
<table border="1" width="940" height="250" style="border-style:solid;border-color:#D9D9D9;border-  
<tr>  
<td style="border:none;padding-left:30px;height:50px;">  
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</td>  
</tr>  
</table>
```

(parameters)
@subject
@body
@from
@to
@cc
@bcc

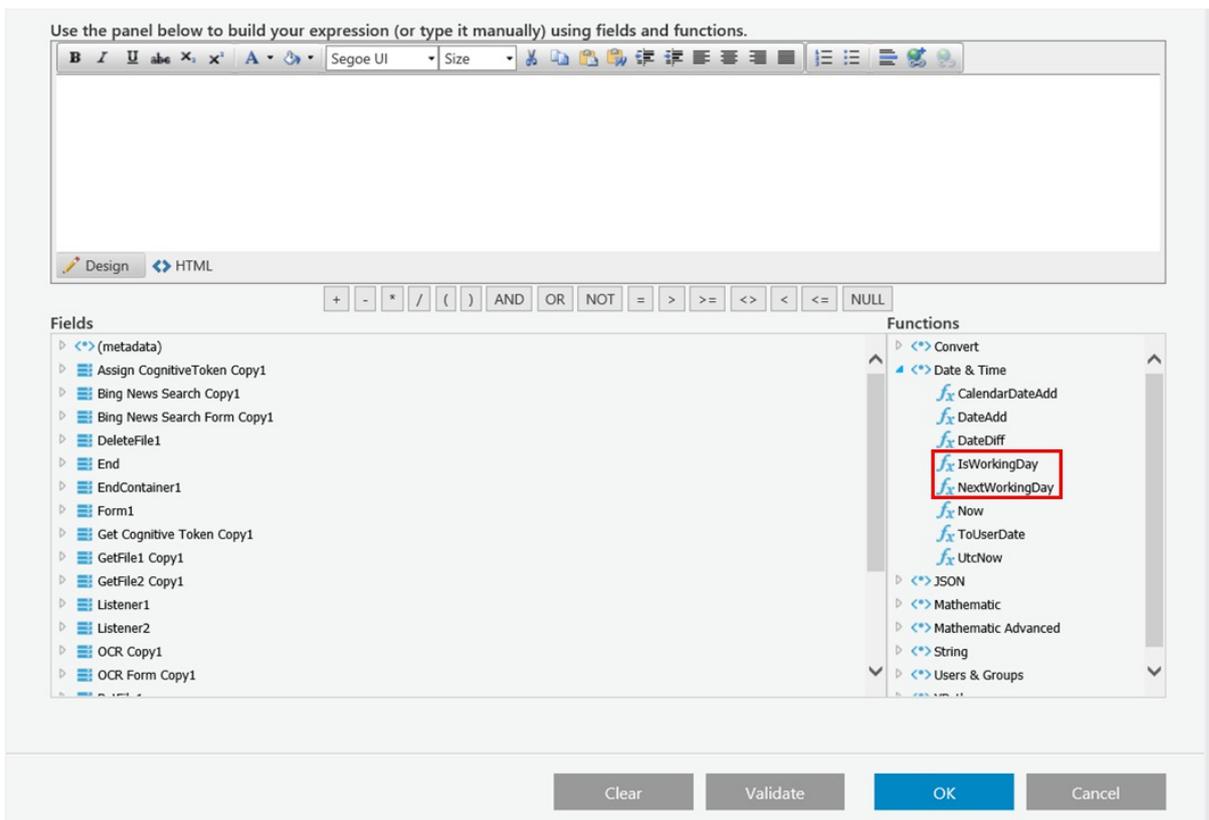
- **HotOperations:** The *GroupId* and *SolutionId* properties were added to the architecture of all HotOperations components.
- **HotOperations Dashboards:** We changed the HotOperations dashboard names and container names. In SharePoint you need to configure the Data Stream name and Layout Name for Ops Manager and Team Leader.

| Component | Data Stream Name | Layout Name |
|------------------------------|--------------------------|--------------------------|
| Operations Manager Dashboard | OpsManagerCasesDashboard | OpsManagerCasesDashboard |
| Operations Manager Board | OpsManagerCasesDashboard | Board |
| Team Leader Dashboard | TeamLeaderDashboard | TeamLeaderDashboard |
| Team Leader Board | TeamLeaderDashboard | Board |

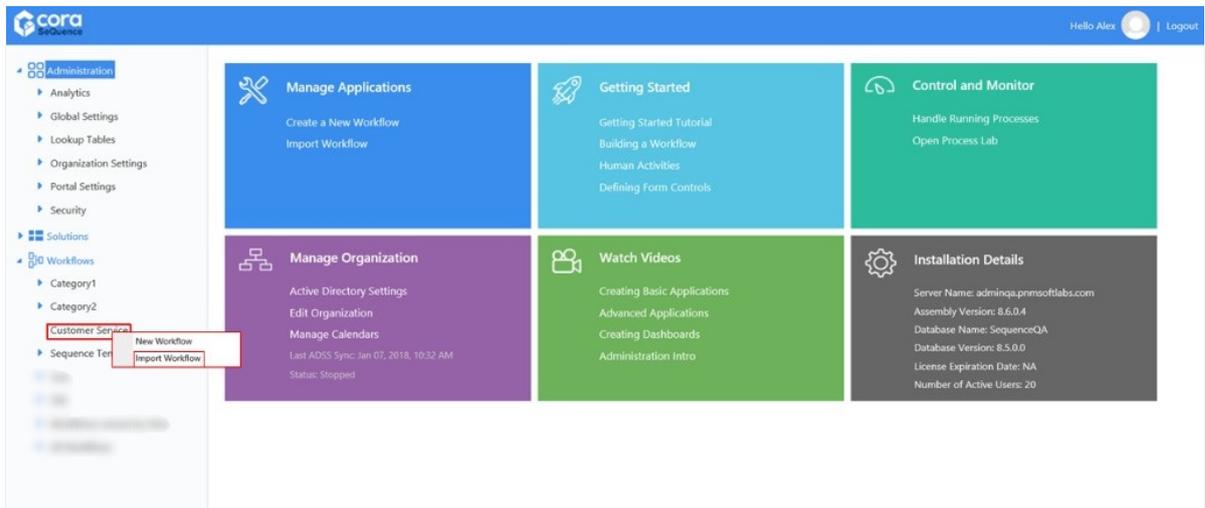
NOTE: If you have a SharePoint deployment, before implementing these changes contact the Cora SeSequence Support Team.

General Enhancements

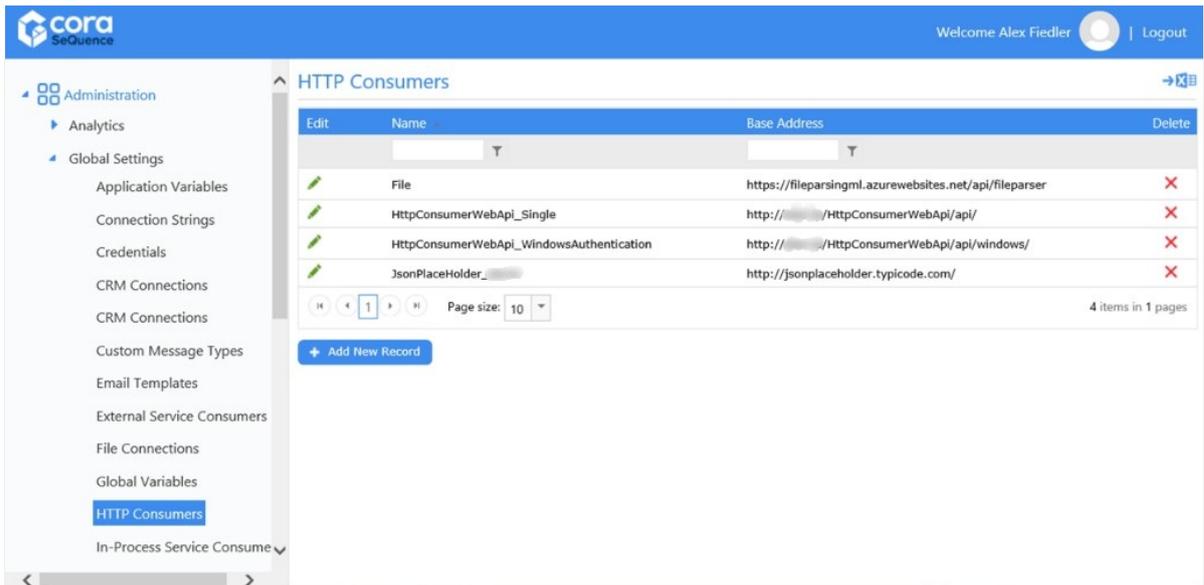
- **Date & Time Expressions:** We added two new calendar expressions that enable you to determine vacation days and non-working days, based on a specific user calendar.



- **Import Workflows to Workflow Categories:** You can now import workflows directly to workflow categories, enabling you to quickly manage workflows across environments.



- **One-Click Action Queries:** You can now assign values for one-click action to imported data model fields. For more information, see [Assign Values in One-Click Action Using an Imported Data Model](#)
- **Azure AD Synchronization:** You can now synchronize your Azure AD based on group membership using one or more organization id.
- **Support SAML 2.0 Authentication:** Cora SeSequence now supports SAML 2.0 Protocol authentication for all Cora SeSequence sites.
- **Telerik update:** Cora SeSequence now includes the latest Telerik security patches.
- **Migrate AD Manager Property:** When you synchronize your AD with Cora SeSequence, you can pull the group manager property for users and assign them the manager role in Cora SeSequence.
- **HTTP Consumer Management:** You can manage all HTTP consumers from the Global Settings in the Administration site.



- **Email Activity Enhancement:** We added a default message body to the [Email Activity](#).

Resolved Issues

- The email template screen does not utilize the entire screen.
- The error message you receive when validating a workflow data model is not clear.
- When a message contains a list of attachments from a grid, the message fails to be sent.
- When you perform a search in some Flowtime grids, pressing the Enter button does not execute the search.
- The error message you receive when you exceed the maximum number of users is not clear.
- You cannot import a workflow that has a lookup table that references an external view in the database.
- The task due date is not calculated correctly when the task creation time is before the working day start time.
- JSON serialization issue in the ORG tree.
- After a task is submitted the My Task aggregation value is not refreshed.

Installation

Install Cora SeSequence 8.5

These instructions are for a new Cora SeSequence installation. If you are upgrading to Cora SeSequence 8.5 from a previous version, see the Upgrade instructions.

Download the installation files from the [Download Center](#). For detailed information about installing Cora SeSequence, including software and hardware requirements, see the [Cora SeSequence 8.x Installation Guide](#).

Installation Notes

- The installation wizard prompts you to install Flowtime, the non-SharePoint runtime website.
- For the SharePoint-based Flowtime, refer to the [SharePoint App Installation & Configuration Guide](#).

Upgrade

Cora SeSequence 8.5 supports upgrading from the following versions:

- 8.3.X
- 8.4.X

If you are upgrading from a version earlier than v8.3.0, you must first upgrade to v8.3.0. For more information, see the [Cora SeSequence 8.3 Release Notes](#).

If you are using scripts to update your database, use the scripts in the `Upgrade` folder.

Upgrade Procedure

1. Verify that you have one of the supported Cora SeSequence versions installed on your server.
2. Backup the configuration files and your database.
3. Free up system resources.
 - a. Use the IISReset command-line utility to reset the IIS.
 - b. Stop the Cora SeSequence Windows services.
 - ADSS
 - BRS
 - JES
4. We recommend that you upgrade the database with scripts before upgrading the application.
 - a. Download and unzip the `Sequence 8.5.0 DB Scripts.zip` file.
 - b. Execute the scripts in the `Upgrade` folder, in this order.
 - i. `8.5UpgradeSynchronization.sql`
 - ii. `8.5UpgradeSynchronization_Data.sql`
5. Unzip the `Sequence 8.5.0 Setup.zip` file.
6. Run the `Sequence 8.5.0 Setup.exe` file as an administrator.
7. Complete the upgrade wizard.
 - If SharePoint Flowtime is already installed on the server, it is indicated separately as **SharePoint Flowtime Portal**.
8. Start the Cora SeSequence Windows services.
 - ADSS
 - BRS
 - JES
9. Navigate to **Administration > Active Directory Settings** to start the Active Directory wizard, and click **Next** until you complete the wizard.
10. (Optional) Download and install Cora SeSequence Templates. For more information, see [Cora SeSequence Workflow Templates](#). If you already installed the Cora SeSequence Templates in the previous version, they will automatically migrate during the upgrade.