

IBM OpenPages with Watson  
Version 8.2.0.1

## *Ascent Upgrade ReadMe*



**NOTE**

Before using this information and the product it supports, read the information in the "Notices" section of this document.

Product Information

This document applies to IBM OpenPages with Watson 8.2.0.1 and may also apply to subsequent releases.

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Documentation Release Information

Last Modified: November 19, 2020 15:11:55 PM

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## RCM 8.2.0.1 Ascent Upgrade Cookbook

### Introduction

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The RCM Ascent feature in 8.2.x has the following parts:

- **Regulatory Library** This feature provides new standardized associations and system views for RCM content: Mandates, SubMandates, and Requirements.

### Prerequisites

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Ascent provides a subscription service, which is sold separately from IBM® OpenPages with Watson. Customers must have a subscription and meet its prerequisites before they set up the Ascent feature in OpenPages. For example, customers must know the API connection information for the Ascent XML feeds.

### Determining an upgrade strategy

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This cookbook assumes that you are familiar with developing and deploying OpenPages solutions and that you know how to use the related technologies, such as ObjectManager, XML, and server access.

This cookbook combines a number of loader steps and manual procedures. It's up to the Services team to determine what steps need to be done in a client engagement. **For a customer engagement, it is likely that you'll refactor the loader XML files into your own deliverable package** to simplify the manual steps and to work around any differences due to a client's customizations.

**Please note that the automated scripts and manual instructions set the ObjectManager setting, `configuration.manager.vendor.mode = true`, which will override any changes you may have made to existing profiles, views, etc in the package. If you do not want this, please refactor the loader XML files to suit your needs.**

In some cases, a client's existing solutions might not work with the new dependencies. You'll need to perform remediation on a case-by-case basis.

### Ascent import

With this feature, clients can retrieve data from an Ascent *feed* by using the API configuration that is provided to each client when they purchase a subscription.

For this feature to work end-to-end, you must set up OpenPages with:

- Schema
  - The shared Ascent field group
- Registry settings
- Profiles that include the new field group and fields
- System views for the updated object types
- A default business entity structure

**Notice:** Unlike solutions updates that you've done in the past, due to the technical and legal specifics for the Ascent data feed import, many of the schema elements that are required for this feature **are not configurable**. The fields, object types, and certain other settings are mandatory and cannot be configured to other values.

## Updated Regulatory Library objects

The *Regulatory Library* is the set of six object types that the client uses to maintain their regulatory information. In 8.2, three of these object types were updated to include a new field group. Version 8.2 also added system views specifically for the RCM Master profile in addition to the default system views.

The object types that are part of the Regulatory Library are:

- Mandate
- SubMandate
- Requirement
- Policy [Unchanged in 8.2]
- Procedure [Unchanged in 8.2]
- Control [Unchanged in 8.2]

## Loading the Ascent changes in 8.2.0.1

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The 8.2.0.1 loader files are not on the installation media. The OpenPages Support team can give clients access to a package that contains the 8.2.0.1 loader files.

All the changes for Ascent in 8.2.0.1 are documented in later sections in this cookbook. To simplify the update and to save time, we've provided a shell script that loads all the files. You can choose to load the changes automatically or manually select the changes as appropriate for your client's environment.

You can load the files remotely using the ObjectManager client or, for non-CP4D environments, load the files from within the application server.

## Loading files remotely

As of 8.2.0.1, you can now import the loader files remotely by using the ObjectManager client tool, which you download separately. For instructions on how to install the ObjectManager client tool, see the *Administrator's Guide*:  
[https://www.ibm.com/support/knowledgecenter/SSFUEU\\_8.2.0/op\\_grc\\_admin/t\\_remote\\_utils.html](https://www.ibm.com/support/knowledgecenter/SSFUEU_8.2.0/op_grc_admin/t_remote_utils.html).

To load the feeds remotely, you must:

1. Download the package and expand it to your local machine, later referred to as the FEED\_FOLDER\_LOCATION
2. Set up the environment variable, OPC\_BIN\_DIR, to point to the tools' bin folder.
3. Set up the URL of the remote server in openpages-tools-client.properties:  
rest.url.path=https://<host:port>/grc/api.

**Note:** To set up the feed on the IBM OpenPages Extension for IBM Cloud Pak for Data, you must use the ObjectManager client.

## Loading files from the application server

To set up the feed from the application server, you must download the package and expand the package contents to your application server at the location: `PATH_IN_OP_SERVER/Upgrade-Accelerators/RCM`, later referred to as the `FEED_FOLDER_LOCATION`.

### 8.2.0.1 Package

The provided package in 8.2.01 contains all the changes for Ascent support since its initial release in 8.2. Each folder contains the release-specific changes, which can be loaded into 8.2 as follows:

RCM\_Ascent\_8200\_Loader\_Files Folder containing the 8.2 changes only  
 RCM\_Ascent\_8201\_Loader\_Files Folder containing the 8.2.0.1 changes only

Which changes to apply depends on the current Ascent version that is loaded.

Pre 8.1.0.1 → 8.2.0.1	Load the changes in all the folders as per instructions below
8.2 → 8.2.0.1	Load the changes in the RCM_Ascent_8201_Loader_Files folder as per instructions below

**Note:** Use only this 8.2.0.1 package for loading the changes across releases. Do not attempt to use previously published packages to load/upgrade to 8.2.0.1.

### Loading Ascent object changes automatically

Follow these steps:

1. Go to the `FEED_FOLDER_LOCATION` folder.
2. Do one of the following steps:
  - If running from a Linux system:
    - Run: `chmod +x Run_RCM_Ascent_Full.sh`
    - `./Run_RCM_Ascent_Full.sh OpenPagesAdministrator PASSWORD`
  - If running on a Microsoft Windows system:
    - Set the `ObjectManager.properties` flags  
`configuration.manager.vendor.mode = true`  
`configuration.manager.force.update.object.strings=true`  
`configuration.manager.force.update.application.strings=true`
    - Run: `Run_RCM_Ascent_Full.bat OpenPagesAdministrator PASSWORD`
    - Reset the `ObjectManager.properties` flags back to false  
`configuration.manager.vendor.mode = true`  
`configuration.manager.force.update.object.strings=true`  
`configuration.manager.force.update.application.strings=true`

### Loading Ascent object changes manually for 8.2

In this section, we go over all the commands that are run and explain the changes. You can run the commands in this section instead of using the shell or batch scripts.

#### ***Loading the RCM shared schema and its labels***

1. Set the `ObjectManager.properties` flags  
`configuration.manager.vendor.mode = true`  
`configuration.manager.force.update.object.strings=true`  
`configuration.manager.force.update.application.strings=true`
2. Load the files with `ObjectManager`

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_Ascent_8200_Loader_Files/Schema/ Ascent_shared
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_Ascent_8200_Loader_Files/Text/
RCM_ascent_shared_strings_en_US
```

3. Set the `configuration.manager.vendor.mode`,  
`configuration.manager.force.update.object.strings`,  
`configuration.manager.force.update.application.strings` flags back to false

The schema in these files is referenced from the code when loading the Ascent Regulatory Library and *cannot* be modified or renamed. Clients can only rename the labels or add additional fields to these objects.

The schema contains the following field group:

- RCM-Ascent-Shared Contains shared fields that are used for Ascent library object types. This field group is assigned to the Mandate, SubMandate, and Requirement object types.

### **Loading registry settings**

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_Ascent_8200_Loader_Files/Registry/
Ascent_registry_entries
```

This file creates all the registry settings that control the behavior of loading Ascent feeds.

### **Loading permissions**

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_Ascent_8200_Loader_Files/Registry/ Ascent_permissions
```

The Ascent feed application permission controls access to certain Ascent content, such as the summary data on sub-mandates.

### **Loading the Ascent entity**

This file creates the default business entity hierarchy for the Ascent library data. The Ascent import expects the following business entity path to exist so that it can create regulatory library objects underneath it: `BusinessEntity/Library/RCM/RegLibrary/AscentRegLibrary`.

Here is the command to load the file:

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8200_Loader_Files/Schema/
Ascent_reg_library_entity
```

### **Loading the new Mandate system view for the Ascent library objects**

This file includes the new Mandate view that's for the Ascent Regulatory Library.

1. Set the `ObjectManager.properties` flags  
`configuration.manager.vendor.mode = true`  
`configuration.manager.force.update.application.strings=true`
2. Load the files with ObjectManager:

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8200_Loader_Files/View/ sv-Mandate
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8200_Loader_Files/View/ sv-app-string-
keys-Mandate
```

3. Set the `configuration.manager.vendor.mode`,  
`configuration.manager.force.update.application.strings` flags back to false

### **Loading the new SubMandate system view for Ascent library objects**

This file includes the new SubMandate view that's used for the Ascent Regulatory Library.

1. Set the `ObjectManager.properties` flags  
`configuration.manager.vendor.mode = true`  
`configuration.manager.force.update.application.strings=true`
2. Load the files with ObjectManager:

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8200_Loader_Files/View/ sv-Submandate
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8200_Loader_Files/View/ sv-app-string-
keys-Submandate
```

3. Set the `configuration.manager.vendor.mode`,  
`configuration.manager.force.update.application.strings` flags back to false

### **New Content Source field value**

This update adds a new value Ascent to the field. This update assumes that the schema has the OPSS-Mand:Content Source, OPSS-SubMand:Content Source, and OPSS-Req:Content Source property types. There's also a dependency defined between the new value and the existing values. Refer to the `RCM_Ascent_content_source-op-config.xml` file for all the details.

1. Set the `ObjectManager.properties` flags  
`configuration.manager.vendor.mode = true`  
`configuration.manager.force.update.object.strings=true`  
`configuration.manager.force.update.application.strings=true`
2. Load the new enum value for the Content Source field by running this command:

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8200_Loader_Files/Schema/
RCM_Ascent_content_source

./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8200_Loader_Files/Text/
RCM_ascent_content_source_strings_en_US
```

3. Set the `configuration.manager.vendor.mode`,  
`configuration.manager.force.update.object.strings`,  
`configuration.manager.force.update.application.strings` flags back to false



**Loading the Ascent job configuration**

This file contains the job that can be configured and scheduled to run Ascent imports. This job will appear on the Schedules UI, which can be used to run the imports manually and/or through a schedule.

Load the files with ObjectManager:

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8200_Loader_Files/Schema/
Ascent_job_configuration
```

**Loading Ascent object changes manually for 8.2.0.1**

In this section, we go over all the commands that are run and explain the changes. You can run the commands in this section instead of using the shell or batch scripts.

**Loading the new Mandate system view for the Ascent library objects**

This file includes the updated Mandate view that's for the Ascent Regulatory Library.

1. Set the ObjectManager.properties flags  
configuration.manager.vendor.mode = true  
configuration.manager.force.update.application.strings=true
2. Load the files with ObjectManager:

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8201_Loader_Files/View/ sv-Mandate
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8201_Loader_Files/View/ sv-app-string-
keys-Mandate
```

3. Set the configuration.manager.vendor.mode,  
configuration.manager.force.update.application.strings flags back to false

**Loading the new SubMandate system view for Ascent library objects**

This file includes the updated SubMandate view that's used for the Ascent Regulatory Library.

1. Set the ObjectManager.properties flags  
configuration.manager.vendor.mode = true  
configuration.manager.force.update.application.strings=true
2. Load the files with ObjectManager:

```
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8201_Loader_Files/View/ sv-Submandate
./ObjectManager.sh l c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_ASCENT_8201_Loader_Files/View/ sv-app-string-
keys-Submandate
```

3. Set the configuration.manager.vendor.mode,  
configuration.manager.force.update.application.strings flags back to false

## Updating OpenPages profiles with Ascent shared fields

In the following sections, we'll walk through the profile configuration and customization for the RCM-Ascent-Shared field group.

### Loading the entire RCM profile automatically

The changes for the library objects should be applied to the client's specific profile. For example, the RCM profile file in RCM\_Ascent\_8201\_Loader\_Files/Schema/RCM\_8201\_master-profile-op-config.xml contains the default RCM profile that's included in the fresh install with all the above changes. You can load that profile completely by using this command:

```
./ObjectManager.sh b c OpenPagesAdministrator <password>
FEED_FOLDER_LOCATION/RCM_Ascent_8201_Loader_Files/Schema/ RCM_8201_master-
profile
```

### Loading the Ascent profile manually

Include the new RCM-Ascent-Shared field group to the Mandate, SubMandate, and Requirement object types for any profiles that need to see these objects.

Update the display type and read-only properties for included fields. Do this for Mandate, Submandate, and Requirement.

Field	Display Type	Read Only
RCM-Ascent-Shared:Breadcrumb Trail	Text	<b>False</b>
RCM-Ascent-Shared:Created_at	Date	<b>False</b>
RCM-Ascent-Shared:disable_reason	Text	<b>False</b>
RCM-Ascent-Shared:Due Date	Date	<b>False</b>
RCM-Ascent-Shared:endsAt	Date	<b>False</b>
RCM-Ascent-Shared:Frequency	Text	<b>False</b>
RCM-Ascent-Shared:ID	Text	<b>False</b>
RCM-Ascent-Shared:Issuer	Text	<b>False</b>
RCM-Ascent-Shared:Links App	URL	<b>False</b>
RCM-Ascent-Shared:Position	Text	<b>False</b>
RCM-Ascent-Shared:Published Date	Date	<b>False</b>
RCM-Ascent-Shared:Reference Material	Text	<b>False</b>
RCM-Ascent-Shared:startsAt	Date	<b>False</b>
RCM-Ascent-Shared:Status	List	<b>False</b>

Field	Display Type	Read Only
RCM-Ascent-Shared:StatusChangedAt	Date	<b>False</b>
RCM-Ascent-Shared:Submandate Text	Text	<b>False</b>
RCM-Ascent-Shared:Tags	Text	<b>False</b>
RCM-Ascent-Shared:Task Detail	On Demand	<b>False</b>
RCM-Ascent-Shared:Type Ascent	List	<b>False</b>

## Post-install steps

---

### Views

All new views that are loaded are disabled by design. Before you enable them, evaluate what their priority should be with respect to the customer's existing views.

### Reporting framework

Because new fields have been added and changed in the OpenPages schema, it's a good idea to regenerate the reporting framework as a post-install step. Note that this step isn't required to run an Ascent import.

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