



veeva Network

Veeva Network 22R3.1.1 Release Notes

February 2023



Contents

About these Release Notes 5

- Subscribe to release notifications 5
- Software releases and maintenance 5
- Release Notes and Data Governance documents 5

Browser requirements 5

Release Note updates 6

What's new 6

Profiles 8

- Field version history 8
- View field history 9
- View version history details 10
- Grouped fields 10
- Localization 11

Reports 12

- Reporting on OpenData 12
- Entity links in results 12
- Access to OpenData flat hierarchy tables 13

Data model 14

- Country support 14
- Localization 14
- Data privacy opt out 15
- Opted-out countries 15
- Formatted name 16
- Name calculation 16



- Merge 16**
 - Merge prevention and data partitioning16
 - Example scenarios18
 - Supported jobs19
 - Supported objects19
 - Define rules19
 - Rules view22
 - Source subscriptions.....22
 - Data updater24
 - Suspect match tasks25
 - Data deduplication jobs.....26
 - Disabled fields and reference values.....26
 - Managing configurations.....26
- OpenData subscriptions 27**
 - OpenData exports to process27
 - OpenData subscription page27
 - Country subscription page.....28
 - OpenData communications28
 - Highlights.....28
 - Receiving notifications29
 - View communications30
 - OpenData Communications page32
 - OpenData Communications subscribers33
- Transformation queries..... 34**
 - File options.....34



| | |
|------------------------------------|-----------|
| Inbound queries | 34 |
| Outbound queries | 37 |
| Integrations | 39 |
| Network Bridge license fields..... | 39 |
| Security..... | 39 |
| Single sign-on | 39 |



About these Release Notes

These Release Notes describe all features that are included in Veeva Network 22R3.1.

SUBSCRIBE TO RELEASE NOTIFICATIONS

You can receive email notifications about upcoming software releases and the supporting documentation.

Software releases and maintenance

- [Veeva Trust Site](#)

At the top of the page, click **Subscribe to Veeva Trust Site** and subscribe to the Veeva Network component.

Release Notes and Data Governance documents

The documents are posted in the following locations:

- [Veeva Connect](#) - Join the Network Community.

To be notified as soon as the Release Notes are posted, go to your Veeva Connect profile and click **Settings**. On the Email Frequency page, expand the list and choose **Immediate**. Other notification options are **Daily** and **Weekly**.

- Veeva Product Support Portal

Follow this section to be notified when release documents are posted.

- [Network Release Notes](#)

For more information, see [About Network Releases](#) in the *Veeva Network Online Help*.

Browser requirements

Veeva Network is tested and supported on the latest version of these browsers:

- Google Chrome™
- Apple® Safari®
- Microsoft® Edge

Veeva Network is not supported on mobile devices.



Release Note updates

The following topic has been added since the Early Release Notes were published:

- **Single sign-on** - The Single Sign-On Settings configuration page is now available by default in Network instances.

All material in the Release Notes should be reviewed to ensure that updates to existing topics are noted.

What's new

The following key enhancements comprise the Veeva Network 22R3.1 minor release.

| | | ST | DS | DM | AD |
|--|---|----|----|----|----|
| Profiles | | | | | |
| Field version history | Version history for individual fields is available to access from the Profile page. | ● | ● | ● | ● |
| Reports | | | | | |
| Reporting on OpenData | This feature now provides access to OpenData flat hierarchy tables and includes links to entity profiles in the report results. | | | ● | ● |
| Data Model | | | | | |
| New countries supported | Data models have been added for several countries in Europe and Africa. | | | ● | ● |
| Data privacy opt out | Veeva OpenData now manages opt outs for the newly supported countries. | | | ● | ● |
| Formatted name | A formatted name calculation is added for Vietnam. | | | ● | ● |
| Merge | | | | | |
| Merge prevention and data partitioning | Administrators can create rules to prevent records from merging. | | | ● | ● |
| Transformation queries | | | | | |
| File options | Additional file names and file types are now supported for inbound and outbound queries. | | | ● | ● |



| | | ST | DS | DM | AD |
|-------------------------------------|---|----|----|----|----|
| Veeva OpenData subscriptions | | | | | |
| Exports to process | Subscriptions now display a count of the files that are pending and that will be processed the next time the subscription runs. | | | ● | ● |
| OpenData communications | You can receive and manage notifications from OpenData within your Network instance. | | | ● | ● |
| Integrations | | | | | |
| Network Bridge - License mapping | Veeva CRM has added additional support for importing the additional state license fields that were mapped for the Network Bridge in Network 22R3.0. | | | ● | ● |
| Security | | | | | |
| Single sign-on | The Single Sign-On Settings configuration page is now available by default in Network instances. | | | | ● |

Note: The System and Data Admin user has all the capabilities of the System Administrator and Data Steward users. Features and enhancements that apply to those users also apply to the System and Data Admin user.

Data Governance - Specific updates for fields and reference data are provided in the *Veeva Network Data Governance* release notes for every minor and major Network release.



Profiles

FIELD VERSION HISTORY

You can now quickly access the history of changes for a specific field on the Profile page.

An **Info** icon displays beside each field on the Profile page. All users can use the icon to open a pane that contains the **Version History** for the field. The **Version History** tab identifies the change and the job or data change request that made the change.

Primary Specialty
✕

Help

Version History

- ▼

Version 12.0 [↗](#)

Internal Medicine

| | |
|--------------|---|
| Time | 2022-04-27 19:21:05 IST |
| Action | Update from OpenData |
| Job ID | 6412 ↗ |
| Subscription | dfb_import__v ↗ |
- ▼

Version 10.0 [↗](#)

Acute Care

| | |
|----------|--|
| Time | 2022-04-27 19:21:05 IST |
| Action | Update from Change Request |
| DCR ID | 940587205744921759 ↗ |
| Approver | pm.datamanager@veeva.net work.com |
- ▶

Version 7.0 [↗](#)

Reproductive Endocrinology and Infertility/Medical Genetics and Genomics
- ▶

Version 1.0 [↗](#)

Acute Care

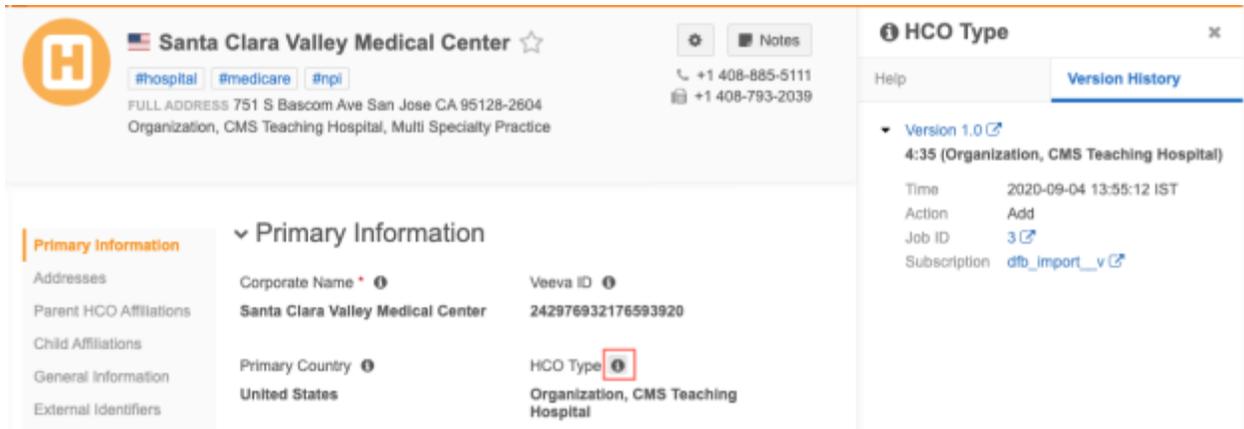
[↗ Expand All](#)

The **Version History** information is enabled by default in your Network instance.



View field history

To access a field's version history, click the **Info**  icon beside the field on the Profile page.



The screenshot shows the profile page for Santa Clara Valley Medical Center. The 'HCO Type' field is highlighted with a red box and an info icon. A 'Field' pane is open on the right, showing the 'Version History' tab with details for Version 1.0.

| Field | Value |
|-----------------|-------------------------------------|
| Corporate Name | Santa Clara Valley Medical Center |
| Veeva ID | 242976932176593920 |
| Primary Country | United States |
| HCO Type | Organization, CMS Teaching Hospital |

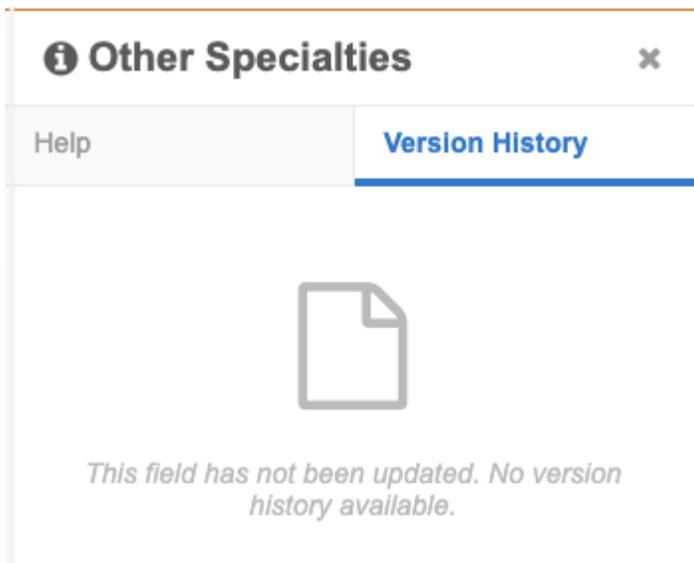
| Version | Time | Action | Job ID | Subscription |
|-------------|-------------------------|--------|--------|--------------|
| Version 1.0 | 2020-09-04 13:55:12 IST | Add | 3 | dfb_import_v |

The **Field** pane displays on the right side of the Profile page.

If you have access to field help, the **Help** tab displays by default. Otherwise, only the **Version History** tab displays.

Note: The **Help** tab is available only to users that have access to it through permission sets. Administrators must create permission sets and provide access to users. For more information, see [Field Help](#) in the *Veeva Network Online Help*.

If the field has no value, a message displays: This field has not been updated. No version history available.



The screenshot shows the 'Other Specialties' field pane. The 'Version History' tab is selected, and a message displays: "This field has not been updated. No version history available."



View version history details

Expand the version to view the details of the change.

The version information contains the following details:

- **Version** - The version number. Click the version link or the **Go To**  icon to open the full Revision History page in a new browser tab.
- **Date and time** - The time that the change occurred.
- **Action** - The method that made the change; either an add request, change request, or a job (for example, a source subscription or an update from OpenData).
- **ID** - The change request ID or Job ID. Click the **Go To**  icon to open the Job Details page or change request in a new browser tab.
- **Subscription** - The subscription name. Click the **Go To**  icon to open the subscription configuration in a new browser page.

Grouped fields

The version history for field sets (for example, Specialty, Email, Medical Degree, and so on) display the fields in numerical order so you can easily identify what changed in each version. Only the fields that changed within that version are listed.



Other Specialties ✕

Version History

- ▶ [Version 16.0](#)
- Specialty 2 **ADP (Addiction Psychiatry)**
- Specialty 3 **ADM (Addiction Medicine)**

- ▶ [Version 15.0](#)
- Specialty 2 **ADM (Addiction Medicine)**
- Specialty 3 **AMD (Administrative
Medicine)**
- Specialty 4 **PSU (Addiction Psychology &
Counseling)**
- Specialty 5 **CHD (Adult Congenital Heart
Disease (IM))**

- ▶ [Version 13.0](#)
- Specialty 2 **ACP (Acute Care Pediatrics
(APNs only))**
- Specialty 3 **ADM (Addiction Medicine)**
- Specialty 4 **AMD (Administrative
Medicine)**

Localization

The **Help** and **Version History** tabs on the **Field** panel is now translated into the language you have specified in your Network profile.



Reports

REPORTING ON OPENDATA

The Reporting on OpenData feature was released in Network version 22R3.0 to allow advanced reporting users to report on country data within OpenData instances. In this release, the following enhancements are available:

- Entity links in results
- Access to OpenData flat hierarchy tables

These enhancements are enabled by default if the Reporting on OpenData feature is enabled in your Network instance.

Note: This feature is not enabled by default; it is being deployed to Network instances in stages. If you are interested in having the feature enabled soon, contact your Network representative.

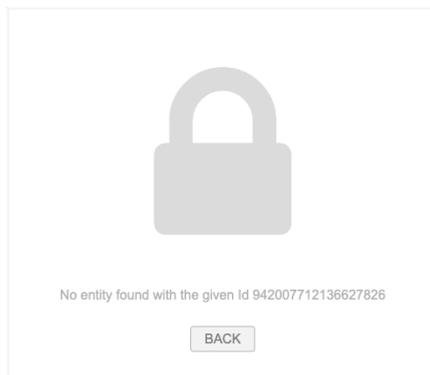
For more information about the feature, see [Reporting on OpenData](#) in the *Veeva Network Online Help*.

Entity links in results

The report results now include a link to the entity's Profile page. If the entity has been downloaded to your Network instance, the Profile page opens when you click the link.

| Report Results (10 records) | | Download Report | Create Custom Table | View Full Screen |
|------------------------------------|--------------------------------|-----------------|---------------------|------------------|
| VEEVA ID | SPECIALTY 1 | | | |
| 942007712136300129 | Hematology/Oncology | | | |
| 942007712136300134 | Hematology (Internal Medicine) | | | |
| 942007712136300136 | Hematology (Internal Medicine) | | | |
| 942007712136300137 | Internal Medicine | | | |
| 942007712136300140 | Diagnostic Radiology | | | |

If the entity has not been downloaded to your Network instance, an error displays when you click the link.





Access to OpenData flat hierarchy tables

You can now access a flat hierarchy table for OpenData instances that you have access to through this feature. Flat hierarchy tables display all of the relationships and levels in hierarchies so you can see how HCPs and HCOs rollup to HCOs.

To access the table, expand the **OpenData** category in the SQL Query editor and expand the OpenData instance folder; for example, **OpenData NA**. The table has the following naming convention: `<OpenData_instance>.flat_hierarchy`; for example, `opendata_na.flat_hierarchy`.

Example flat hierarchy table

The screenshot shows a tree view in the SQL Query editor. At the top is 'Customer Master' with a 'View ERD' link. Below it is the 'OpenData' category, which is expanded to show 'OpenData NA'. Under 'OpenData NA', several tables are listed, each with a grid icon and a description. The table 'opendata_na.flat_hierarchy (OpenData NA Flattened ParentHCO Hierarchy)' is highlighted with a red rectangular box. Other tables listed include 'opendata_na.address (OpenData NA Address)', 'opendata_na.flat_ownership_hierarchy (OpenData NA Flattened Ownership Hierarchy)', 'opendata_na.hco (OpenData NA HCO)', 'opendata_na.hcp (OpenData NA HCP)', 'opendata_na.license (OpenData NA License)', and 'opendata_na.parenthco (OpenData NA Relationship (ParentHCO))'.

All OpenData regions (APAC, China, EMEA, LatAm, and NA) have their own `flat_hierarchy` table. The OpenData NA region has a second table called `opendata_na.flat_ownership_hierarchy`, which contains US records only.

Table updates

Flat hierarchy tables are updated daily. The tables are read-only; OpenData teams cannot edit or change the contents of the tables. This ensures that you will always have access to the full ownership hierarchy for each OpenData region.

For information and examples for using the flat hierarchy tables, see [Reporting on hierarchies](#) in the *Veeva Network Online Help*.



Data model

COUNTRY SUPPORT

Veeva OpenData data models have been added for the following countries:

- Algeria (DZ)
- Cameroon (CM)
- Cote d'Ivoire (CI)
- Cyprus (CY)
- Ghana (GH)
- Israel (IL)
- Kenya (KE)
- Malta (MT)
- Mauritius (MU)
- Morocco (MA)
- Senegal (SN)
- South Africa (ZA)
- Tunisia (TN)

These countries will be managed in the EMEA OpenData instance.

The data models are based on the Other Countries (ZZ) data model. The data model also includes additional fields so they are consistent with other data models supported by the EMEA OpenData team.

The activated reference codes are based on the reference codes that are activated for Other Countries (ZZ), along with additional reference codes supported by the EMEA OpenData team.

Localization

The Network UI, data model, and reference codes use the following languages for each country.

| Country | Network UI and Data Model | Reference Codes |
|--------------------|---------------------------|---------------------------|
| Algeria (DZ) | French (fr) | French (fr) |
| Cameroon (CM) | English (en), French (fr) | English (en), French (fr) |
| Cote d'Ivoire (CI) | French (fr) | French (fr) |
| Cyprus (CY) | English (en) | Greek (el), Turkish (tr) |
| Ghana (GH) | English (en) | English (en) |
| Israel (IL) | English (en) | Hebrew (he) |
| Kenya (KE) | English (en) | English (en) |
| Malta (MT) | English (en) | English (en) |
| Mauritius (MU) | English (en) | English (en) |



| Country | Network UI and Data Model | Reference Codes |
|-------------------|---------------------------|-----------------|
| Morocco (MA) | French (fr) | French (fr) |
| Senegal (SN) | French (fr) | French (fr) |
| South Africa (ZA) | English (en) | English (en) |
| Tunisia (TN) | French (fr) | French (fr) |

DATA PRIVACY OPT OUT

Veeva OpenData now manages HCP opt outs in the following countries:

- Algeria (DZ)
- Cameroon (CM)
- Cote d'Ivoire (CI)
- Cyprus (CY)
- Ghana (GH)
- Israel (IL)
- Kenya (KE)
- Malta (MT)
- Mauritius (MU)
- Morocco (MA)
- Senegal (SN)
- South Africa (ZA)
- Tunisia (TN)

Two data model fields have been enabled for these countries for the HCP object:

- `data_privacy_opt_out__v`
- `data_privacy_opt_out_date__v`

Records that are opted-out by Veeva OpenData do not display and cannot be accessed in downstream systems. This ensures data privacy for opted-out HCPs to satisfy regional regulatory requirements.

Opted-out countries

To review the list of opted-out countries, in the Admin console:

1. Click **Data Model > Data Domains** and choose the **Customer Master** domain.
2. Select the **Health Care Professional** object and find the `data_privacy_opt_out__v` field in the **Fields** section.
3. Click the field to review the list of opted-out countries that are managed by Veeva OpenData.



FORMATTED NAME

A custom calculation has been added for the `formatted_name__v` field for Vietnam. The formatted name uses values from several name fields to display a complete name for an HCP.

This enhancement is enabled by default in your Network instance.

Name calculation

HCP names for Vietnam are calculated using these Veeva fields in the following order:

```
<last_name__v> <first_name__v>
```

Note: There is a space between the Last Name and First Name fields.

The formatted name displays on the profile page.

Merge

MERGE PREVENTION AND DATA PARTITIONING

Administrators can create rules to prevent records from merging if they contain specific values for fields. During the merge process, the records are compared to identify any fields or values that are used in the rules. If a rule fails, the records will not be merged.

You can create rules to prevent records from merging for the following scenarios:

- **Non-duplicate records** - Use field values to prevent non-duplicate records from being merged. For example, prevent two records from merging if they have different NPI numbers.
- **Data partitioning** - Isolate records with specific field values and prevent merges with records that don't share the same value. For example, prevent merges between records that have different reference values for the HCP Type field.

This feature is enabled by default in your Network instance.



Example rule

This rule will prevent two HCP records from being merged if both records have an NPI number but the numbers are not the same.

HCPnpi

Delete Cancel Save

▼ Details

Rule Name *

Description

Code hcp_npi_differs__c

Countries *

Status * **ENABLED**

▼ Define Rule to Prevent Merges or Partition Data Based on Field Values

Entity *

Field *

i This rule will enforce that 2 HCP records cannot be merged unless they both have a value in the field **NPI** and the value is identical.



Example scenarios

Review the following merge scenarios that use the following example rules:

- **Rule 1 - NPI number** - Do not merge if both records have a value for the NPI field, but the values are different.
- **Rule 2 - HCP Type** - Do not allow HCP Type A or B to be merged with any other type but themselves (A > A and B > B).

Note: Only one rule needs to fail to prevent the merge from occurring.

Attempted merge outcomes

| Record 1 | Record 2 | Will Records Merge? | Reason |
|--------------------------------|--------------------------------------|---------------------|---|
| NPI: 1902849797 HCP Type: C | NPI: <empty> HCP Type: C | ✔ | One of the records does not have a value for NPI field, so the NPI rule is ignored. HCP type C is not one of the specified values in the rules, so the HCP Type rules are ignored. |
| NPI: 1902849797 HCP Type: C | NPI: 1366677486 HCP Type: C | ✘ | Both records have a value for NPI but they are different, so the rule fails. It doesn't matter which record has which value. If they are different, the records will be prevented from merging. |
| NPI: 1902849797 HCP Type: C | NPI: 1902849797 HCP Type: C | ✔ | Both records have a value for NPI and they are the same, so the rule is ignored. Both records have a value for HCP Type and neither type is a value specified in the rules, so the HCP type rules are ignored. |
| NPI: 1902849797 HCP Type: A | NPI: 1902849797 HCP Type: C | ✘ | Both records have the same value for NPI, so that rule is ignored. Both records have a value for HCP Type but they are different. The rule fails because HCP Type A cannot be merged with HCP Type C. |
| NPI: 1902849797 HCP Type: A | NPI: 1902849797 HCP Type: <empty> | ✔ | Both records have the same value for NPI, so that rule is ignored. Only one record has a value for HCP Type. The HCP Type rule passes because type A isn't being merged with another HCP Type. |
| NPI: 1902849797 HCP Type: A | NPI: 1902849797 HCP Type: B | ✔ | Both records have the same value for NPI, so that rule is ignored. Both records have a value for HCP Type and they are different, but the records can merge because the rule allows HCP Type A to merge with HCP Type B. |



Supported jobs

Rules for merge prevention and data partitioning are applied to all subscriptions for existing records and incoming data:

- source subscriptions - data loading and bulk merge jobs
- data updater merge jobs
- suspect match tasks (Network UI and Network API)
- data deduplication jobs

These Network processes will use all of your enabled rules to prevent merges.

Supported objects

Merge prevention and data partitioning occurs at the entity level. The following entities are supported:

- HCPs
- HCOs
- custom main objects

Define rules

You can create rules to prevent merges and to partition data.

To create a rule:

1. In the Admin console, click **Data Model > Merge Prevention and Data Partitioning**.
2. Click **Add Rule**.
3. On the New Rule page, type a **Name** and **Description** for the rule.
Names can contain alphanumeric (A-Z, a-z, 0-9), underscore (_), and hyphen (-) characters only. A maximum of 100 characters is permitted.
Descriptions can contain any characters. A maximum of 100 characters is permitted.
4. In the **Countries** list, select the countries that the rule applies to. Multiple countries can be selected.
All countries that are available from Veeva OpenData display. Countries are not restricted by your data visibility profile.
5. Rules are enabled by default. To disable a rule, click the **Status** toggle.
6. In the **Entity** list, select the entity. One entity can be applied to each rule.
Only main entities display in the list. HCPs, HCOs, and main custom objects are supported.



7. Choose the **Field** to identify the criteria for the rule.

The list displays fields that apply to the selected entity and that are enabled in your Network instance. Veeva standard fields and custom fields are supported.

Excluded fields

- system fields (for example, vid__v and record_state__v)
- field sets (addresses__v, custom_keys__v, licenses__v, parent_hcos__v)
- date and date/time fields

Reference type fields

If you select a reference type field, you can choose to define a reference value. Veeva values and custom values are supported.

Example - No reference value

In this example, no value is provided for the HCP Type field. When no value is provided, two records cannot be merged unless they both have the same value in the HCP Type field.

A message displays below the field to explain the merge prevention behavior.

▼ **Define Rule to Prevent Merges or Partition Data Based on Field Values**

Entity * Health Care Professional

Field * HCP Type

Value No options selected

! This rule will enforce that 2 Health Care Professional records cannot be merged unless they both have a value in the field **HCP Type** and the value is identical.

To prevent merges for particular values, select values above.



Example - One reference value

When one value is defined, the merge is prevented when one of the records has that value and the other record has a value and but it is not the same.

▼ Define Rule to Prevent Merges or Partition Data Based on Field Values

Entity * Health Care Professional

Field * HCP Type

Value Dentist X

ⓘ This rule will enforce that Health Care Professional records where **HCP Type** is "Dentist" cannot be merged with Health Care Professional records where **HCP Type** has a value and is not "Dentist".

The rule will be applied to all subscriptions: data loaded via source subscriptions, suspect match tasks, data deduplication jobs, bulk merge jobs, and data updater merge jobs.

Example - Two or more reference values

When multiple values are selected, the rule allows for merges only when both records have a value that is defined in the list.

In this example, if Record1 has the HCP type value Doctor, it will be allowed to merge with Record2, which has the HCP type Resident. If Record2 has the HCP Type Dentist, the merge is prevented.

▼ Define Rule to Prevent Merges or Partition Data Based on Field Values

Entity * Health Care Professional

Field * HCP Type

Value Doctor X Prescriber X Resident X

ⓘ This rule will enforce that an Health Care Professional record where **HCP Type** is one of the selected values can be merged only with the Health Care Professional where **HCP Type** is in the list of selected values.

The rule will be applied to all subscriptions: data loaded via source subscriptions, suspect match tasks, data deduplication jobs, bulk merge jobs, and data updater merge jobs.

- 8. **Save** the rule.



Rules view

When you create rules, they display on the Rules for Merge Prevention and Data Partitioning page.

You can see all of the rules that have been created in your Network instance for every country.

| Rules for Merge Prevention and Data Partitioning | | | | | | | Add Rule |
|--|-------------|---------------|---|-------------------|-------------------------|------------|----------|
| Search rules... | | Q | <input checked="" type="checkbox"/> Show Disabled Rules | | | | |
| RULE NAME ▲ | DESCRIPTION | COUNTRIES | ENTITY | FIELD | VALUE | STATUS | |
| HCP_type | | United States | HCP | HCP (hcp_type_... | RES (RES), A (A), P (P) | ⊗ DISABLED | 🗑 |
| HCP_npi_differs | | United States | HCP | HCP (npi_num_v) | | ✔ ENABLED | 🗑 |
| HCP_last_name | | United States | HCP | HCP (last_name... | | ✔ ENABLED | 🗑 |

Available actions

- **Search** - Type a keyword in the search bar to find rule names, countries, entities, and field names.
- **Sort** - To quickly find a rule, you can sort the table by the **Name**, **Entity**, **Field**, or **Status** columns.
- **Delete** - Click the **Delete** icon to remove a rule from your Network instance.
- **Enable or disable** - Click the toggle in the **Status** column.

Source subscriptions

Merges can be prevented when the source subscription loads data and when it is configured for bulk merge.

Data loading

When a source subscription runs, the job completes but any merges that are not allowed will be prevented.

On the Job Details page, the **Match Summary** will identify all matches that were found during the job.

Example

In this job, two matches were identified.

| ▼ Match Summary | | | |
|--------------------------|-------------|-------------|-------------|
| ENTITY | NOT MATCHED | ACT MATCHES | ASK MATCHES |
| Health Care Organization | 0 | 0 | 0 |
| Health Care Professional | 0 | 2 | 0 |



In the **Job Result Summary**, two rejected matches are identified.

| ▼ Job Result Summary | | | | | | | | | |
|--------------------------|-------|-------|------------------|---------|--------|-------------|------------|----------|---|
| ENTITY | TOTAL | ADDED | CANDIDATES ADDED | UPDATED | MERGED | INVALIDATED | NOT LOADED | REJECTED | |
| Affiliation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DOG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health Care Organization | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health Care Professional | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Address | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| License | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RELATIONSHIP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Account Link | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Parent HCO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Custom Key | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

The **Job Error Log** section displays the count of records that were prevented from being merged. This also displays in the job error log that is exported to your FTP server.

| ▼ Job Error Log | | | |
|-----------------|-----------------|-----------------|---|
| EXTERNAL ID | STAGE | RULE | MESSAGE |
| 0 | Dry Merge Stage | MergePrevention | During this job <2> record(s) have been rejected due to merge prevention rules. |

Bulk merge

When source subscriptions are configured for bulk merge, the advanced property "job.merge.allowSourceMerge": "true" is defined in the **Module Properties**.

When bulk merges are loaded, the job will complete but the records that cannot be merged are skipped.

The Job Details page displays the results of the job.

- **Job Result Summary** The **Rejected** column does not display a count of records that were prevented from merging for bulk merge jobs. This column shows rejected records, but only the merge was rejected in these jobs, not the records.
- **Job Error Log** section shows a count of the records that we not merged.



Example

▼ Job Result Summary

| ENTITY | TOTAL | ADDED | CANDIDATES ADDED | UPDATED | MERGED | INVALIDATED | NOT LOADED | REJECTED |
|--------------------------|-------|-------|------------------|---------|--------|-------------|------------|----------|
| Affiliation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DOG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health Care Organization | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health Care Professional | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Address | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| License | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RELATIONSHIP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Account Link | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Parent HCO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Custom Key | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

▼ Job Trigger Summary

Job Initiation: MANUAL

Job(s) Triggered: This job did not trigger any jobs.

Email(s) Triggered: This job did not trigger any emails.

▼ Job Error Log

| EXTERNAL ID | STAGE | RULE | MESSAGE |
|-------------|-----------------|-----------------|---|
| 0 | Dry Merge Stage | MergePrevention | During this job <4> request(s) to merge records have been ignored due to merge prevention rules. less |

If the job error log file was created by the subscription, it also displays the count of VIDs that were prevented from merging.

Tip: If two records should be merged, adjust or remove the value in the identified field and try the merge again.

Data updater

When records fail a merge rule, the rows are skipped in the Data Updater Merge job.

On the **File Summary** tab, the **Job Results** section displays a count of the skipped rows.

▼ Job Results

1
 HCP ROWS READ

0
 HCP MERGES APPLIED

1
 HCP ROWS SKIPPED



The **Job Error Log** section displays the count of records that were prevented from merging.

| EXTERNAL ID | STAGE | RULE | MESSAGE |
|-------------|-----------------|-----------------|--|
| 0 | Dry Merge Stage | MergePrevention | During this job <1> request(s) to merge records have been ignored due to merge prevention rule... more |

Tip: If the records are duplicates and should be merged, adjust or remove the value in the identified field and try the merge again.

Suspect match tasks

Data Stewards processing suspect match tasks will receive immediate feedback if the two records cannot be merged based upon the configured rules.

Example

When Data Stewards click **Apply** to merge two records, a message displays: *These records cannot be merged because HCP Type, NPI values differ.*

Possible actions when merges are prevented:

- Click **No Match** to reject the task.
- Open the profiles to validate or edit the data. If the records are duplicates, update the values so they are the same on both records or remove the incorrect/less used value. Reload the suspect match task and merge the records.

Note: Suspect match tasks currently ignore the values included in any merge prevention rules. Merges will be prevented if both records have a value in a specified field and that value differs (even if those different values are allowed in the merge prevention rule). To allow the records to merge, Data Stewards can edit the losing record so the values are the same or remove the value.



Data deduplication jobs

Data deduplication jobs will prevent merges based on all enabled rules in your Network instance.

When the subscription runs, the job completes and you can view the counts on the Job Details page to see what merges were actually completed.

Viewing the merges that were prevented is not available in this release.

Disabled fields and reference values

Merge rules support enabled fields and reference values only.

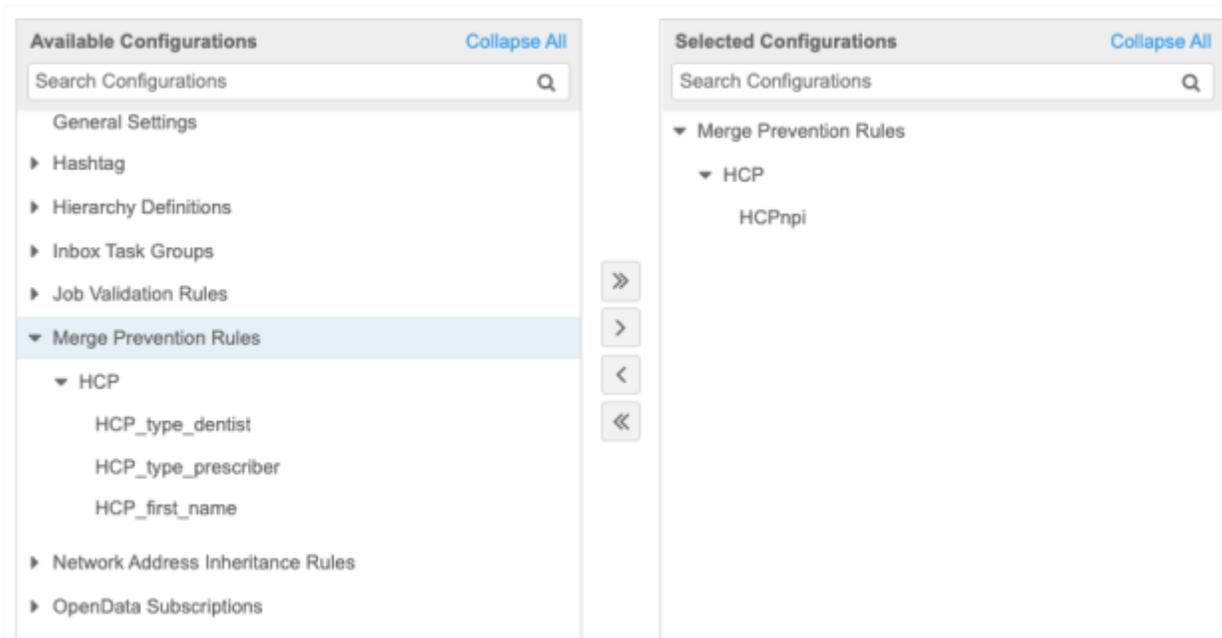
If a field is used in a rule and then it is disabled, the rule will no longer apply. When you view the rule from the Rules for Merge Prevention and Data Partitioning page, the field displays in the **Field** column; however, if you open the rule, the field no longer displays in the configuration; a new field must be selected for the rule.

This behavior is the same for disabled reference values.

Managing configurations

You can export the rules in a configuration package and import them to a target environment. For example, you might want to test the rules in Sandbox and then export to them to your Production instance.

The rules are located in the **Merge Prevention Rules** category in the Export Package configuration.



For more information about creating export packages, see [Managing configurations](#) in the *Veeva Network Online Help*.



OpenData subscriptions

OPENDATA EXPORTS TO PROCESS

OpenData subscriptions now include a count of the files that are pending and that will be processed the next time the subscription job runs. These updates are available on the OpenData Subscriptions page and for each country subscription.

This enhancement is available by default in your Network instance.

OpenData subscription page

The **OpenData Exports to Process** columns identifies the files that are pending for subscribed and enabled countries.

These are the files in the delta export; the records that have been added or changed in the Veeva OpenData instance for this country since the last time your subscription ran.

| COUNTRY | SCHEDULE | LAST JOB TIME | LAST JOB STATUS | OPENDATA EXPORTS TO PROCESS | SUBSCRIPTION ENABLED |
|--------------------------------|-----------|-------------------------|-----------------|-----------------------------|---|
| Argentina | Manual | | | 0 | <input checked="" type="checkbox"/> Enabled |
| Canada | Manual | 2022-09-19 19:51:53 IST | COMPLETE | 2 | <input checked="" type="checkbox"/> Enabled |
| Germany | Manual | | | | <input type="checkbox"/> Disabled |
| Spain | Manual | | | | <input type="checkbox"/> Disabled |
| United Kingdom | Manual | | | | <input type="checkbox"/> Disabled |
| United States | Scheduled | 2023-01-09 06:55:04 GMT | COMPLETE | 0 | <input checked="" type="checkbox"/> Enabled |

Note: When there are a large number of files to export, it can take some time to display the count. When the count is still processing, you can click a country subscription link to view the details on the country page.



Country subscription page

The **OpenData exports to process** count displays in the **Job Schedule** section.

Additionally, enhancements have been made to the format of the update schedule so it is easier to read.

OPENDATA COMMUNICATIONS

You can now view and manage communications from Veeva OpenData in your Network instance. This feature centralizes all notifications from the OpenData team so you can track information and activities and take any required actions.

| NAME | SUBJECT | COUNTRIES | TIME SENT |
|--------------------------------------|--------------------------------|-------------|-----------------------|
| Initial working set | Initial working set | 3 Countries | 2022-11-01 08:23:36.0 |
| Inactivate addresses | Inactive unnecessary addresses | Bulgaria | 2022-11-07 02:43:30.0 |
| New HCO Types | Notice - New HCO Types | Austria | 2022-11-23 07:40:06.0 |

Displaying 1 to 3 of 3 Show 25 1 of 1 < >

This feature is enabled by default in your Network instance.

Highlights

- Notifications are sent to you only about the countries that you subscribe to and that are enabled in your Network instance.
- A predefined user group, OpenData Communication Subscribers, is added to help Administrators manage the users that should receive OpenData communications.
- Emails are sent to subscribed users with links to view the full communication in Network.
- Attachments are not included in Veeva OpenData communication emails so they cannot be misplaced.

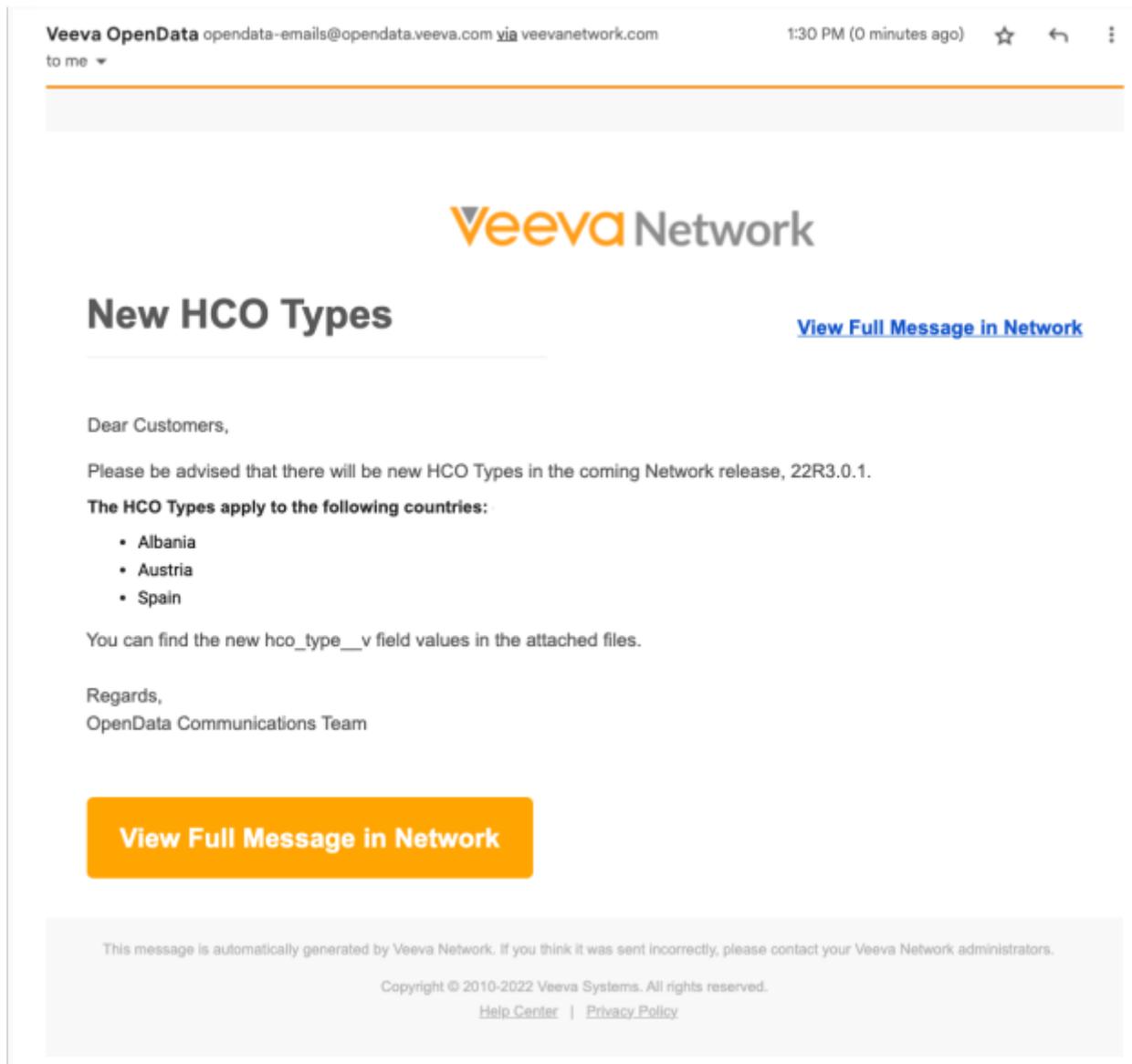


Receiving notifications

Users that are subscribed to receive OpenData communications will receive emails from OpenData from the following address: `opendata-emails@opendata.veeva.com`.

The email notifies you about OpenData activities that you should be aware of or that you should action. The email contains the text of the communication and a link to view the full message in Network. Attachments are not included in the email.

Example email



When you click **View Full Message in Network**, the communication opens in the Network application. Log in with your credentials if you are not already logged in.



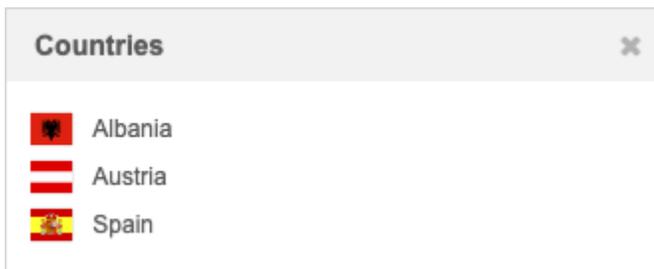
View communications

The full message and all attachments are available in the communication.

For each communication, the following details display:

- **Name** - The name that OpenData defined for the communication.
- **Subject** - The email subject.
- **Countries** - The countries that the communication applies to.

If there is one country, the country name displays. If multiple countries are selected, a count of countries displays. Click the count to display a pop-up of the countries.



- **Time Sent** - The date and time (in your local timezone) that the communication was sent by the OpenData team.



Example

New HCO Types

[Back](#) [Download all files](#)

Name New HCO Types

Countries  Austria

Subject Notice - New HCO Types

Time Sent 2022-11-23 14:24:08 CET



New HCO Types

Nov 23, 2022

Dear Customers,

Please be advised that there will be new HCO Types in the coming Network release, 22R3.0.1.

The HCO Types apply to the following countries:

- Albania
- Austria
- Spain

You can find the new hco_type__v field values in the attached files.

Regards,
OpenData Communications Team

 **New_HCO_Types_22R3.0.0.csv** [Download](#)
155 KB

 **HCO.csv** [Download](#)
129 B

[Download all files](#)

Downloading files

You can download files in an OpenData communication even if you do not have FTP access.

- Click **Download all files** or use the **Download** button on a file to download it individually.

Click **Back** to navigate to the OpenData Communications page.



OPENDATA COMMUNICATIONS PAGE

A new page is added so you can view and manage all of the communications that you receive from OpenData in your Network instance.

To open the page:

- In the Admin console, click **System Interfaces > OpenData Communications**.

| NAME | SUBJECT | COUNTRIES | TIME SENT |
|----------------------------|----------------------------------|-------------|-----------------------|
| Initial working set | Initial working set | 3 Countries | 2022-11-01 08:23:36.0 |
| Inactivate addresses | Inactivate unnecessary addresses | Bulgaria | 2022-11-07 02:43:30.0 |
| New HCO Types | Notice - New HCO Types | Austria | 2022-11-23 07:40:06.0 |

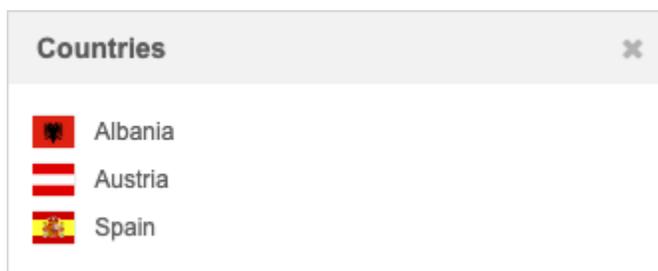
Displaying 1 to 3 of 3 Show 25 1 of 1 < >

All of the messages that you receive from OpenData display on the page in alphabetical order. Messages that have not been read yet display as bolded text.

For each communication, the following details display:

- **Name** - The name that OpenData defined for the communication.
- **Subject** - The email subject.
- **Countries** - The countries that the communication applies to.

If there is one country, the country name displays. If multiple countries are selected, a count of countries displays. Click the count to display a pop-up of the countries.



- **Time Sent** - The date and time (in your local timezone) that the communication was sent by the OpenData team.



Finding communications

To find a specific message, use one of the following methods:

- **Search** - Use the search bar to find a communication by name, subject, or the time it was sent.
- **Show All Countries** - Expand the list to filter the page by country. By default, all countries display.
- **Hide Read Messages** - Click to quickly find new messages.
- **Sort** - Sort the table using any of the columns.

OpenData Communications subscribers

To manage subscribers, Administrators can add users to a predefined user group called **OpenData Communication Subscribers**. The users that Administrators add to this user group will receive the emails sent by the OpenData team.

Note: Administrators, Data Managers, and System and Data Admin users can be added to the user group. These are the only users that have access to the OpenData Communications page in the Admin console.

To add subscribers:

1. In the Admin console, click **Users & Permissions > User Groups**.
2. On the User Groups page, click the **OpenData Communication Subscribers** group.

No users are added to the group by default.

3. Click **Add Users** and select the users that should receive OpenData emails.

The screenshot shows the 'OpenData Communication Subscribers' user group configuration page. It includes a 'Details' section with the following information:

- Name: OpenData Communication Subscribers
- Description: OpenData Communication Subscribers
- Type: System Managed Group
- Status: Active

The 'Users' section contains a search bar and a table of users. The table has columns for Name, Username, User Type, Status, Security Policy, Profile, and Inbox Task Groups. Two users are listed:

| <input type="checkbox"/> | NAME | USERNAME | USER TYPE | STATUS | SECURITY POLICY | PROFILE | INBOX TASK GROUPS |
|--------------------------|-------------|-----------------------|--------------|--------|-----------------|---------|----------------------------------|
| <input type="checkbox"/> | Admin, PM | pm.admin@verteo.com | System Admin | Active | Classic | US Data | Data Loading Jobs |
| <input type="checkbox"/> | Manager, PM | pm.manager@verteo.com | Data Manager | Active | Classic | US Data | Data Loading Jobs, Data Stewards |

At the bottom of the page, it says 'Displaying 1 to 2 of 2' and 'Show 25'.



Transformation queries

Network can transform data so you can pre-process the data before loading it or post-process the data after exporting it.

In this release, enhancements have been made to help you transform additional file names and types.

FILE OPTIONS

Administrators can now process the following types of files names and file types in transformation queries.

Inbound queries

- non-static files names
- delimited text files with any file extension

Previously, only .csv files with static file names were supported for inbound queries.

Outbound queries

- DCR Export files

Previously, outbound queries supported files for Data type target subscriptions only.

These enhancements are available by default in your Network instance.

Inbound queries

Inbound transformation queries can now process files using the file name alias that you define in the source subscription configuration. This enables you to query input files that have non-static file names and delimited text files with any file extension.

For best results, reference input files by their alias for all new inbound transformation queries. Existing inbound queries that use a static file name are still supported.



Example - Non-static file names

The HCP source file that you want to process has a timestamp (for example, *HCP_2023-01-30_04-45-07.csv*) in its file name. In the source subscription configuration, define the file name as `HCP*` and define the alias as `HCP_INPUT_FILE`.

Aliases must be defined with uppercase letters.

The screenshot shows a configuration form titled "File Definitions" with a help icon. It contains the following fields and values:

- File Name:** `HCP*`
- Alias:** `HCP_INPUT_FILE`
- Key Column(s):** `id`
- Text Qualifier:** `"`
- Format:** `Delimited`
- Delimiter:** `,`
- Header Row?**

In the transformation query, refer to the source file by its alias (`HCP_INPUT_FILE`) instead of its file name. Notice that the `__csv` file extension is required to distinguish the file from other regular table names in reporting.

The screenshot shows a SQL query editor with a "Format Query" button. The query is as follows:

```
1 SELECT
2     id AS vid__v,
3     first_name || ' ' || last_name AS formatted_name__v,
4     country AS primary_country__v
5 FROM
6     hcp_input_file__csv
```

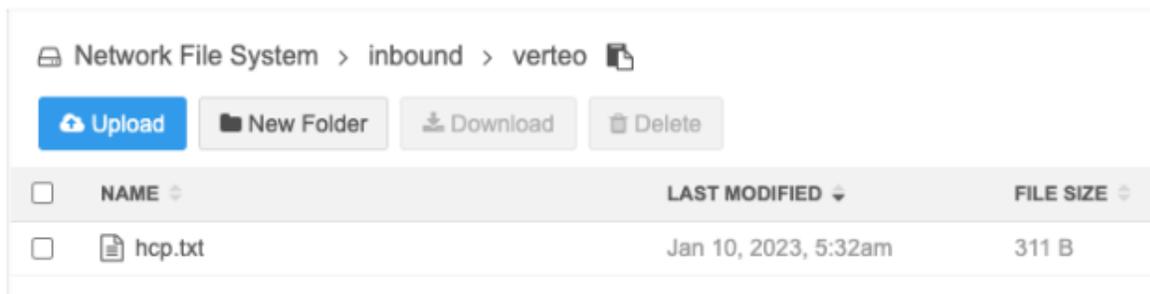
Tip: File names and file aliases are not case-sensitive in transformation queries.

Link the transformation query to the source subscription. When the subscription runs, the transformation query will process the input file by its file alias.

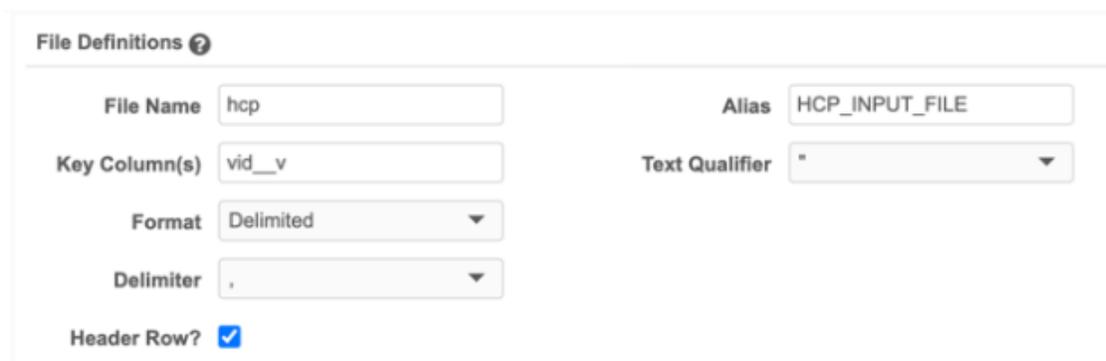


Example - Delimited files with any file extension

The HCP source file has a .txt extension (for example, *HCP.txt*).



In the source subscription configuration, define the file name as HCP and define the alias as HCP_INPUT_FILE.



In the transformation query, refer to the source file by its alias (HCP_INPUT_FILE). Notice that the __csv file extension is required to distinguish this as source file; otherwise, it will be considered a reporting table name.



Link the transformation query to the source subscription. When the subscription runs, the transformation query will process the .txt input file by its file alias.

For detailed steps for creating and using transformation queries, see [Transforming inbound data](#) in the *Veeva Network Online Help*.



Outbound queries

Transformation queries can now post-process DCR export files (third-party owned DCRs) so you can export it in the format that third party systems expect to receive.

Example

To transform third-party owned DCRs after the files are exported, create a transformation query that references the DCR export files:

- DCR_BATCH (header file)
- DCR_FIELD_BATCH (line item file)

In the transformation query, omit the UNIX timestamp that is automatically applied to the export files in the archive (for example, a file name is DCR_BATCH_1669990415331.csv).

Add the `__csv` extension to each file name in the query.

This query joins the header file with the field file to produce a single export file instead of two.

```
Format Query
1 SELECT
2     header.dcr_id,
3     header.dcr_section_id,
4     header.dcr_type,
5     header.subject,
6     header.entity_type,
7     header.entity_id,
8     line_item.field_name,
9     line_item.old_value,
10    line_item.change_requested
11 FROM
12    dcr_batch__csv header JOIN dcr_field_batch__csv line_item
13    ON header.dcr_id = line_item.dcr_id
14    AND header.dcr_section_id = line_item.dcr_section_id
15 ORDER BY
16    header.dcr_id,
17    header.dcr_section_id
```



In the DCR type target subscription, add the transformation query to the configuration.

▼ Transformation Queries

Select data transformation queries to be applied to this target subscription below.
 Can't find a transformation query? [Create a New Transformation Query](#)

| ☰ | QUERY | DESCRIPTION | QUERY OUTPUT | |
|---|------------------|------------------|----------------------|------------|
| ☰ | third_party_dcrs | Transformed DCRs | transformed_dcrs.csv | View Query |

[+ Add Query](#)

After the job runs, you can view the Job Details to see the records that were exported and the transformation queries that were applied.

Job details

▼ Transformation Queries

| SEQUENCE | QUERY | DESCRIPTION | QUERY OUTPUT | NUMBER OF RECORDS | QUERY DURATION | |
|----------|------------------|------------------|----------------------|-------------------|----------------|------------|
| 1 | third_party_dcrs | Transformed DCRs | transformed_dcrs.csv | 6 | 5s | View Query |

Note: The Data Flow Diagram that displays on Data type target subscriptions is not available on DCR type subscriptions.

For detailed steps for creating and using transformation queries, see [Transforming outbound data](#) in the *Veeva Network Online Help*.



Integrations

NETWORK BRIDGE LICENSE FIELDS

In version 22R3.0, support was added for additional State license fields in the Network Bridge. Those license fields can now be imported to Veeva CRM through Network Account Search and through importing accounts during data change request processing.

Supported fields:

- **Collaborative Agreement Required** - Indicates whether a collaborative agreement (CA) is required for the HCP.
- **Comprehensive Prescriptive Authority** - Indicates if the HCP has any of the assessed conditions on their prescribing authorities.
- **Comprehensive Sample Eligibility** - Indicates if the HCP has any of the assessed conditions on their sample eligibility.
- **Controlled Substances Prescriptive Authority** - Indicates whether HCP is authorized to write controlled substances.
- **Controlled Substances Sample Eligibility** - Indicates if the HCP is authorized to receive controlled substance samples.
- **Grace Expiry** - License Expiration Date that includes the state grace period.
- **License Status Condition** - Additional information about the license status

This enhancement is available when Veeva CRM 22R3.2 is released in February 2022.

For more information about the fields, see [License Mapping](#) in the *Veeva Network Online Help*.

Security

SINGLE SIGN-ON

The single sign-on configuration page is now enabled by default in Network instances. Previously, it was available only by request.

To access the single sign-on configuration:

- In the Admin console, click **Settings > SSO Settings**.

Administrators must configure the SSO settings for their Network instance.

For more details, see [Configuring single sign-on in Network](#) in the *Veeva Network Online Help*.