



veeva Network

Veeva Network 24R3.1.1 Release Notes

February 2025



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About these Release Notes

These Release Notes describe all features included in Veeva Network 24R3.1.

RELEASE DATES

- **Sandbox release** (version 24R3.1) - Friday, January 24
- **Production release** (version 24R3.1.1) - Friday, February 7

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 Network Online Help](#)

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

Browser requirements

Veeva Network is supported on the latest version of these browsers, as of their most stable version at the time of release:

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

Veeva Network is not supported on mobile devices.



Release Note updates

Added since the Sandbox Release Notes were published:

- **Cluster management** - Updated cluster codes from IQVIA™ are available for Spain.
- **Password resets for Portal Users** - When Admins reset the password, the email template for Portal Users contains their username and a link to the Network Portal.

Removed since the Sandbox Release Notes were published:

- **Multivalued reference fields** – Using the fields in match configurations will not be supported in this release.

Added since the Early Release Notes were published:

- **Job end time** - The Job Details page now includes the time that the subscription job ended.

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 24R3.1 minor release.

		ST	DS	DM	AD
Announcements					
API Authentication update	As of 25R1.0, Network will no longer support submitting credentials in the URL parameters in the Authentication API call.			Developers	
Hierarchy Explorer widget					
Multi-country configuration	Administrators can now use country groups in the widget configuration to define the health systems that display.				●
Search widget					
Creating add requests	Add Requests are now pre-populated with advanced search form data to improve user efficiency in the Search widget.	●	●	●	●
Data Model					
Multivalued reference fields	Support for the fields is extended on record profiles, data change requests, and advanced reporting.			●	●
Cluster Management	Updated cluster codes are available for Germany from Insight Health™ and for Spain from IQVIA™.			●	●



		ST	DS	DM	AD
Match					
Validation errors	Administrators and Data Managers will now see more detailed feedback for issues with advanced match configurations.			●	●
Data maintenance subscriptions					
Restrict access to unsubscribed HCOs from Search against OpenData	Administrators can now prevent users from searching and downloading HCOs that have been unsubscribed from OpenData.			●	●
Subscriptions					
Job triggers	Subscription names display as links in the Job Triggers section.			●	●
Job end time	The Job Details page now includes the time that the subscription job ended.			●	●
Vault CRM integration					
Attachments on DCRs	DCRs received from Vault CRM can now include attachments			●	●
Long notes on DCRs	DCRs received from Vault CRM can include notes containing up to 1,000 characters.			●	●
Null values for missing reference mappings	Missing reference values are now replaced with a null value so records can be upserted.			●	●
Vault CRM Bridge Job Summary	Address and license counts now display together on the Job Details page.			●	●
Users					
Password resets for Portal Users	When Admins reset the password, the email template for Portal Users contains their username and a link to the Network Portal.				●

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.



Announcements

API AUTHENTICATION UPDATE

As of the 25R1.0 release (Spring 2025), Network will no longer support submitting credentials in the URL parameters in the Authentication API call.

This update is being made to address security concerns. It was originally planned for Network 24R2.0 but has been extended to version 25R1.0.

The update will be made to Sandbox instances on March 28, 2025, and to Production instances on April 11, 2025.

Action

To gain access to your Network instance using the Network API, ensure that user names and passwords are submitted in the body of the POST request.

For details, see the [Authentication](#) topic in the *Veeva Network Developer Help*.



Hierarchy Explorer widget

MULTI-COUNTRY CONFIGURATION

Administrators can now use country groups in the widget configuration to define the health systems that display. Previously, health system definitions were defined for each country.

Top Parent Mappings

Define the top parent HCO for each country in the Hierarchy Explorer.

Countries: Ireland, Italy, Spain, United Kingdom

FIELD	CONDITION	VALUE		
HCO Type	In	NHS Trust, Area Team, Health Care System Administration, Government Health Administration, Hospital, General Hospitals, Association	AND	x
Status	In	Active		x

+ Add Condition

Countries: United States

FIELD	CONDITION	VALUE		
HCO Type	In	Organization, Health System		x

+ Add Condition

Add Country Groups

This enhancement is enabled by default in your Network instance.

Note: This enhancement applies to the widget configuration only; it has no impact to end users.

Multi-country configuration

The **Top Parent Mapping** section determines which HCOs are considered health systems for each country. Often, the criteria is the same for several countries.

Administrators can now map the criteria to multiple countries instead of individually configuring each country.

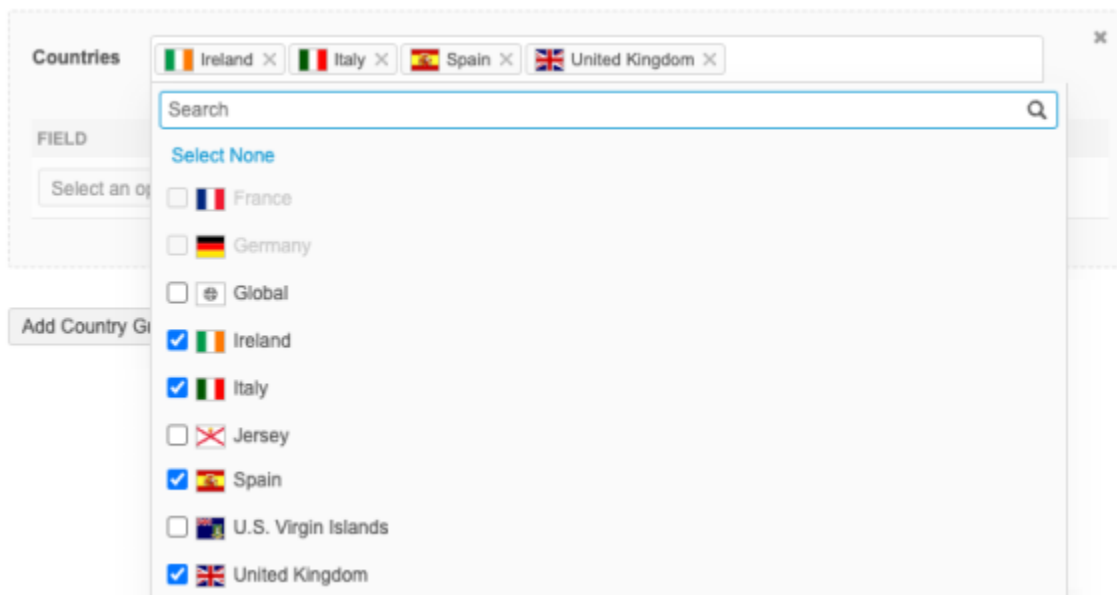


Add a country group

Create a country group to define the top parent HCO for multiple countries.

1. Open a Hierarchy Widget configuration (**Widgets & Portal**).
2. In the **Top Parent Mapping** section, click **Add Country Groups**
3. Click the **Countries** field and select the countries to add to the group.

Countries that belong to an existing group are dimmed in the list.



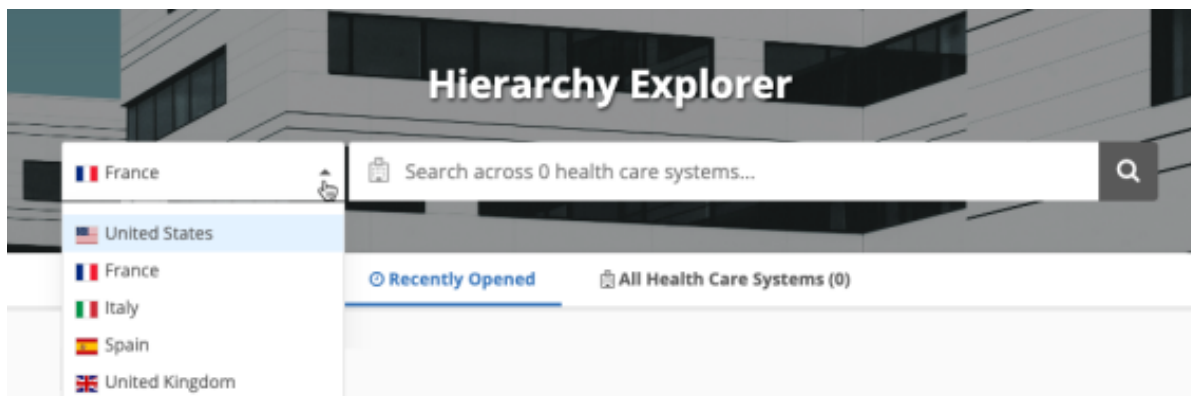
4. Click **Add Condition** to define the criteria for the countries in the group.

The **Field** list contains an intersection of the fields available in the selected countries.

Only fields that apply to all the countries in the group can be included in the condition. If you add a country to a group and an existing field is not available for the new country, an error displays and the country group cannot be saved.

5. **Save** your changes.

The Hierarchy Explorer widget will use the settings to display the top parent HCOs for those countries.





Map all countries to a custom field

To simplify the top Parent HCO definitions, you can create a custom field to flag key networks/IDNs and then map all countries to the field.

For example, you can use the existing custom field called **Customer Key Network?** (key_hco_network__c). Set the field *Yes/True* for all HCOs records that are key networks/IDNs.

In the **Top Parent Mappings** section, create one country group and add all countries. Add the condition that **Customer Key Network?** is *Yes/True*.

FIELD	CONDITION	VALUE
Customer Key Network?	In	Yes/True

The HCOs that are flagged as a key network/IDN will display as a health system in the Hierarchy Explorer widget for those countries.

Search widget

CREATING ADD REQUESTS

Add requests are now populated with the data that you entered in the Advanced search form. This helps you to more quickly create add requests. Previously, when you searched for an account and it was not found, you had to retype the info again to create the add request.

This enhancement is enabled by default.

Copied fields

After you use the Advanced search form and the account is not found, you can click **Create New** to start an add request.

All of the field values defined in the Advanced search form will be pre-filled in the add request, if possible. This includes sub-object field values. For example, if you add values in the **State** and **City** fields, those values display in the **Address** section on the add request.



Considerations

- **Profile layout** - The field must be in the profile layout used for add requests.
- **Default values** - Fields copied from the Advanced Search form will replace any default values specified on the add request profile layout.

For example, if the default value for the HCP Type field on add requests is *Prescriber*, but you searched for *Business Professional*, the HCP Type field on the add request will be *Business Professional*.

- **Reference values** - Only values that apply to the country in the add request will be copied.

Example

If you search for *John* (First Name), *Smith* (Last Name), *Prescriber* (HCP Type), and *France* (Country) and then create an add request for a US record, only *John* and *Smith* will be prefilled in the add request. *France* will be dropped as the country and *Prescriber* is dropped because it is not an HCP Type in France.

Example - Search for an HCP

In the Advanced Search form, add field values to search for an account.

Search Accounts

[← Back to Search Results](#) | Advanced Search

Health Care Organizations
 Health Care Professionals

NAME

First Name * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Edward"/>	Last Name * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Zahn"/>
ID <input style="width: 90%; border: 1px solid #ccc;" type="text"/>	Parent Corporate Name <input style="width: 90%; border: 1px solid #ccc;" type="text"/>
<small style="color: blue;">IDs Available to Search</small>	
HCP Type <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Prescriber"/>	Hashtags <input style="width: 90%; border: 1px solid #ccc;" type="text"/>

LOCATION

City <input style="width: 90%; border: 1px solid #ccc;" type="text"/>	State/Province * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="New York"/>
Zip/Postal Code <input style="width: 90%; border: 1px solid #ccc;" type="text"/>	Country <input style="width: 90%; border: 1px solid #ccc;" type="text" value="United States"/>

Clear All Filters
Search



Click **Search**.

In the Search Results, if the account is not found, click **Create New** to add the account.

The screenshot shows the 'Search Accounts' interface. At the top, there is an orange header with the text 'Search Accounts'. Below the header, there is a navigation link '[Back to Advanced Search](#)'. The main content area displays '0 Search Results for Health Care Professionals' and a '+ Create New' button. A filter bar shows the following filters: 'HCP Type: Prescriber', 'Country: United States', 'Last Name: Zahn', 'State/Province: New York', and 'First Name: Edward'. Below the filter bar, there are buttons for 'Clear All Filters' and 'Apply Filters'. The search results area shows 'Displaying 0 - 0 of 0 Results' and a 'Show 20' dropdown menu. A large 'No Results' message is displayed in the center, with the text 'Please try removing filters or search again.' below it. On the left side, there is a sidebar with a 'NAME (3)' section containing input fields for 'First Name' (Edward), 'Last Name' (Zahn), and 'ID'. At the bottom of the sidebar, there is a link 'IDs Available to Search'.

On the New Health Care Professional page, the field values that you entered in the Advanced search form are copied over to the add request.

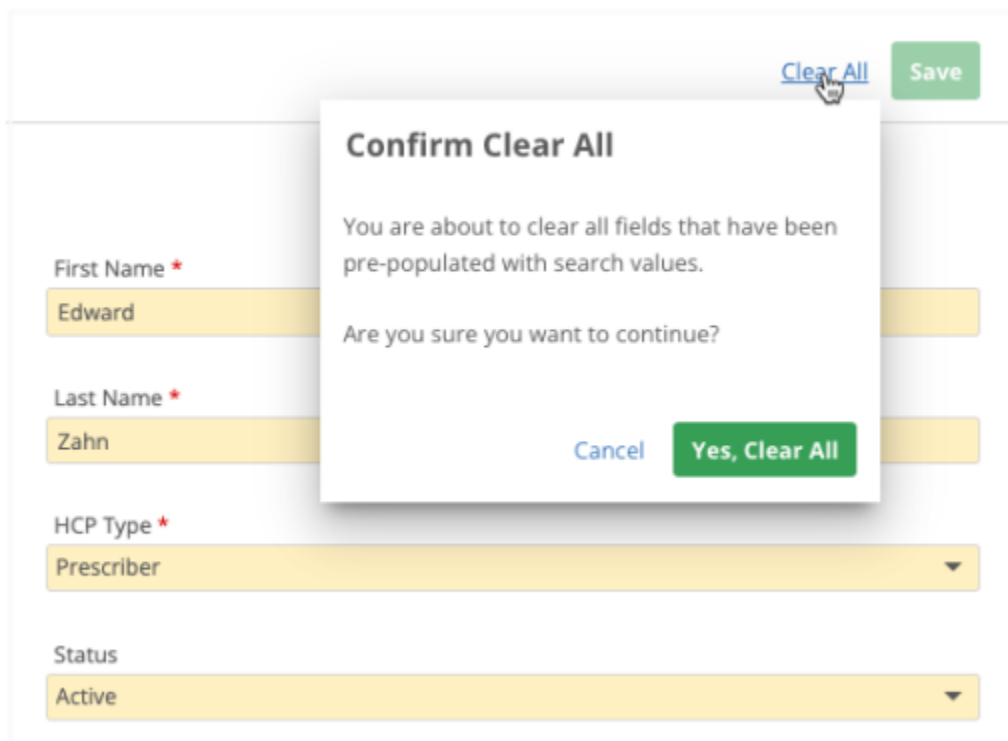
The screenshot shows the 'New Health Care Professional' form. At the top, there is an orange header with the text 'Search Accounts'. Below the header, there is a navigation link '[Back to Search Results](#)'. The main content area displays 'New Health Care Professional' and buttons for 'Clear All' and 'Save'. The form is organized into sections. The 'Primary Information' section is expanded and contains the following fields: 'Prefix' (dropdown menu with '-' selected), 'Middle Name' (text input field), 'Suffix' (text input field), 'Gender' (dropdown menu with '-' selected), 'Degree 1' (dropdown menu with '-' selected), 'Primary Specialty' (dropdown menu with '-' selected), 'First Name' (text input field with 'Edward' pre-filled), 'Last Name' (text input field with 'Zahn' pre-filled), 'HCP Type' (dropdown menu with 'Prescriber' selected), 'Status' (dropdown menu with 'Active' selected), 'Degree 2' (dropdown menu with '-' selected), and 'Other Specialties' (dropdown menu with 'No options selected' selected).

You can continue to update the add request with additional values and submit the request.



Clear the field values

If you do not want the values that have been prefilled in the add request, click **Clear All**.



In the dialog, click **Yes, Clear All** to confirm your choice.

The Add Request form will be reset to a blank form.



Search Accounts

[← Back to Search Results](#)

New Health Care Professional [Clear All](#) [Save](#)

▼ Primary Information

Prefix -	First Name * <input type="text"/> This field is required
Middle Name <input type="text"/>	Last Name * <input type="text"/> This field is required
Suffix <input type="text"/>	HCP Type * Custom Type
Gender -	Status Active
Degree 1 -	Degree 2 -

Recover the cleared values

If you accidentally clear the values, you can recover them.

1. On the add request, click the **Back to Search Results** link.
2. In the **Unsaved Changes** pop-up, click **Discard Changes**.
3. The Search Results page displays with your search terms. Click **Create New**.
4. Confirm the country and then the add request displays with the fields populated with the values again.



Data maintenance

RESTRICT ACCESS TO UNSUBSCRIBED HCOs FROM SEARCH AGAINST OPENDATA

Administrators can now prevent users from searching and downloading HCOs that have been unsubscribed from OpenData. Previously, this was available for HCPs only.

When records are unsubscribed, they are no longer available in your Network instance. However, if the **Search against OpenData** feature is enabled, the records display in the search results and include the **Download from OpenData** icon; users can unknowingly subscribe to the HCOs again.

You can now specify a reason when you unsubscribe HCOs and then those records can be filtered from OpenData search results based on that reason using data visibility profile permissions.

HCO records can be unknowingly resubscribed to your Network instance from the following activities:

- Search and downloading records from applications that integrate with Network using the API, for example, Network Account Search (Veeva CRM and Vault CRM), Network Search widget, and Veeva Concur Connector.
End users for these applications (for example, sales reps) do not know that these records have been unsubscribed due to an opt out.
- An incoming record from an add request matches a Veeva OpenData record.
- Downloading records in the Network UI using Ad Hoc Download or the Download from OpenData button.

Now, users can be restricted from unsubscribed HCOs so they cannot be resubscribed through any of these ways.

Enable the feature

To prevent users from unknowingly downloading and resubscribing HCO records again, use the **Filter Unsubscribed HCPs/HCOs from Search against OpenData** feature.

Administrators must enable this feature.

Note: If the feature is already enabled in your Network instance to restrict access to unsubscribed HCPs, the behavior will be applied to HCOs by default.

1. In the Admin console, click **Settings > General Settings**.
2. At the top of the page, click **Edit**.
3. In the **Data Maintenance** section, select **Enable Option to Filter Unsubscribed HCPs/HCOs from Search against OpenData**.
4. In the pop-up window, confirm that you want to enable the feature.
Important: The feature cannot be disabled after it is enabled.
5. **Save** your changes.



Enabling the feature makes changes to the data model, data visibility profiles, and the **Unsubscribe from OpenData records** data maintenance subscription.

Data model updates

When the feature is enabled, the `data_removal_reason__v` field is automatically enabled for HCPs and HCOs. It cannot be disabled.

This field is a system field that is locally managed; change requests for this field are never sent to Veeva OpenData or third party data provider. The field can be updated only using the **Unsubscribe from OpenData Records** data maintenance job. The job populates the field with the reason the record is unsubscribed.

Reference type

The field uses the **DataRemovalReason** reference codes. Each code describes a reason that a record is unsubscribed.

The reference codes are predefined. The reference type is read-only and can be extended only by Veeva.

DataRemovalReason reference codes

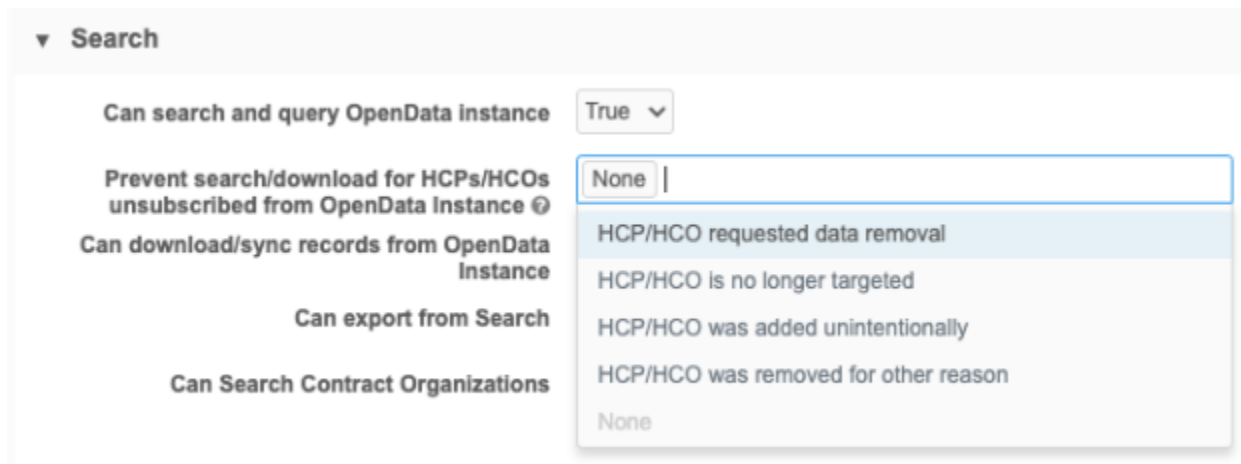
Network Code	Network Name	Definition
DRR_01	HCP/HCO requested data removal	"Right to be forgotten" as defined by GDPR, CCPA, etc.
DRR_02	HCP/HCO is no longer targeted	Data storage period limitation (e.g. defined by GDPR), Company changes its therapeutic area
DRR_03	HCP/HCO was added unintentionally	HCP/HCO added unintentionally to the working set, HCP/HCO downloaded unintentionally by sales rep or Network user
DRR_04	HCP/HCO was removed for other reason	Any reason other than the ones listed above



Data visibility profile changes

A permission is added to DVPs to restrict users from searching for and downloading HCP/HCO records from OpenData that have been unsubscribed.

Administrators can choose any of the predefined reasons for unsubscribing an HCO. HCOs that have been unsubscribed for those reasons will be filtered from search for all users assigned to the data visibility profile.



The permission does not display if this feature is not enabled in the Network instance.

Changes to the Unsubscribe data maintenance subscription

A mandatory setting is added to the **Unsubscribe from OpenData records** subscription configuration to identify the reason the HCOs are being unsubscribed.

Important: The reason must apply to all the HCP or HCO records that you are unsubscribing in the job. If you are unsubscribing records for other reasons, create a different job for those records.



New Unsubscribe Job Cancel Save

Details

Name HCOs

Action Unsubscribe from OpenData Records
Unsubscribe from selected OpenData records.

- Sets the record state of HCOs and HCPs and all associated sub-objects to 'DELETED'
- Removes data from all custom fields
- Inactivates custom keys

Reason for Unsubscribing HCPs/HCOs

- ✓ Select Reason
- HCP/HCO requested data removal
- HCP/HCO is no longer targeted
- HCP/HCO was added unintentionally
- HCP/HCO was removed for other reason

Description

When the job runs, the unsubscribe reason is added to the `data_removal_reason__v` field on the HCO record.

Note: The feature must be enabled before you run the **Unsubscribe from OpenData records** job. HCP and HCO records that are unsubscribed before the feature is enabled cannot be back-filled with a reason. The access to these records cannot be restricted because they do not include the data removal reason.

More information

All the functionality that was available for unsubscribed HCPs is now extended to support HCOs.

For additional details about this feature, see [Filter unsubscribed records from Search against OpenData](#) in the *Veeva Network Online Help*.

Unsubscribe HCO records

The **Unsubscribe from OpenData records** data maintenance subscription is used to unsubscribe HCOs.

For detailed information about the process, see [Unsubscribing from Veeva OpenData records](#) in the *Veeva Network Online Help*.

Enable the data maintenance subscription

To enable the **Unsubscribe from OpenData records** feature in your Network instance, contact Veeva Support.



Data model

MULTIVALUED REFERENCE FIELDS

Support for multivalued reference fields is extended on record profiles, data change requests, and reporting.

These enhancements are enabled by default in your Network instance.

Profiles

Multivalued fields can now be edited on record profiles. Previously, the fields were locked.

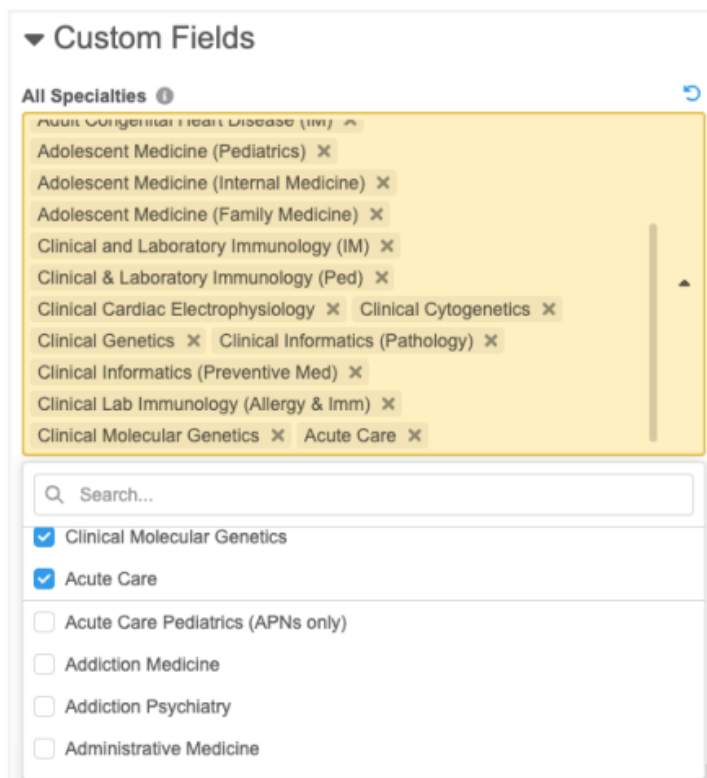
CDA fields


This enhancement does not apply to multivalued CDA fields. These fields remain read-only on profiles:

- all_degree_cda__v
- all_spec_cda__v
- all_spec_group_cda__v

Edit multivalued fields

When the profile page is in Edit mode, you can search for values, add, remove and sort values on the fields.



Click the **Undo**  icon to revert the change.




Add values

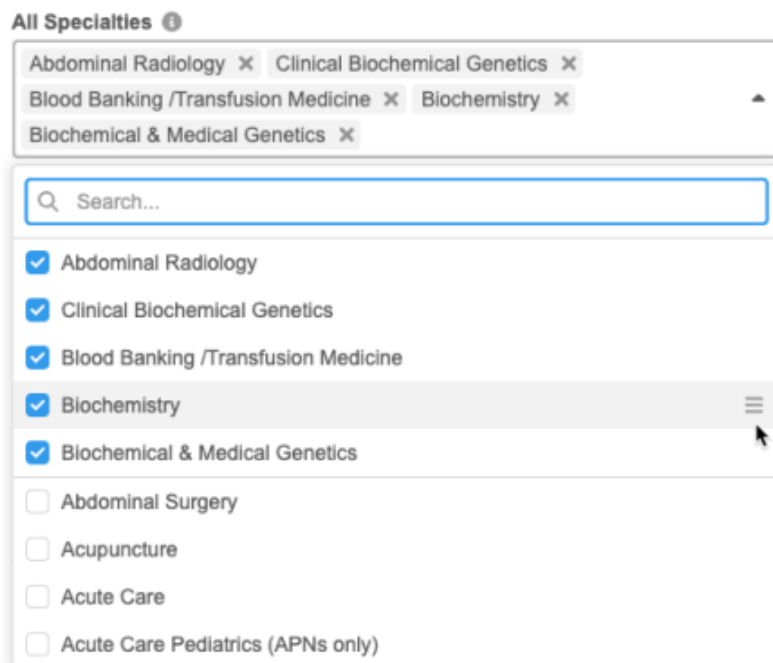
Values display on the field in the order that they are added.

A maximum of 50 values can be added to each field. When the limit is reached, the remaining values are dimmed and cannot be selected.

Sort values

You can change the order of the values so they are listed by priority on the profile.

Click the field and hover over a value to display the **Handle**  icon. Use the icon to move the value into a different position in the list.



Data change requests

Data stewards can identify and manage changes to multivalued fields. Previously, the fields were read-only.

CDA fields

This enhancement does not apply to multivalued CDA fields. DCRs cannot be submitted for these fields:

- all_degree_cda__v
- all_spec_cda__v
- all_spec_group_cda__v



Identify changes

Before editing the field, Data Stewards can quickly identify the values that are requested to be changed.

- **New values** - Highlighted in green color.
- **Removed values** - Dimmed with a strikethrough.
- **Current values** - Highlighted in gray color.

Change Request DCR History Re-assign Reject Save Apply

All Fields DCR Fields Collapse All Expand All

Sections: Primary Information · Addresses · Parent Affiliations · E-Contacts · Educational Information · Personal Information · External Identifiers · Custom Keys · Licenses · **Custom Fields** · CDA Fields

Field	Current Value	Change Request	Approved? ▾
▼ Custom Fields			
All Specialties	Allergy & Immunology · Naturopathic Medicine Brd Cert Pediatric Transplant Hepatology Anatomic Pathology · Neonatal-Perinatal Medicine Pediatric Urology · Aerospace Medicine	Pediatric Urology · Aerospace Medicine Pediatrics/Emergency Medicine · Learning Disability Bariatric Medicine · Nephrology · Pediatrics Biochemical & Medical Genetics Neuromusculoskeletal Medicine Pediatrics/Anesthesiology · Allergy & Immunology Naturopathic Medicine Brd Cert Pediatric Transplant Hepatology Anatomic Pathology · Neonatal-Perinatal Medicine	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>


When Data Stewards click the **Edit** icon, the highlighting and strikethroughs are removed. Data Stewards can search for values, add, remove, and sort the values.

Field	Current Value	Change Request	Approved? ▾
▼ Custom Fields			
All Specialties	Allergy & Immunology · Naturopathic Medicine Brd Cert Pediatric Transplant Hepatology Anatomic Pathology · Neonatal-Perinatal Medicine Pediatric Urology · Aerospace Medicine	<div style="border: 1px solid #ccc; padding: 5px;"> Pediatric Urology X Aerospace Medicine X Bone Marrow Transplantation X Pediatrics/Emergency Medicine X Learning Disability X Bariatric Medicine X Nephrology X Pediatrics X Biochemical & Medical Genetics X Neuromusculoskeletal Medicine X Pediatrics/Anesthesiology X </div> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> <input type="text" value="Search..."/> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Pediatric Urology <input checked="" type="checkbox"/> Aerospace Medicine <input checked="" type="checkbox"/> Bone Marrow Transplantation <input checked="" type="checkbox"/> Pediatrics/Emergency Medicine <input checked="" type="checkbox"/> Learning Disability <input checked="" type="checkbox"/> Bariatric Medicine </div>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

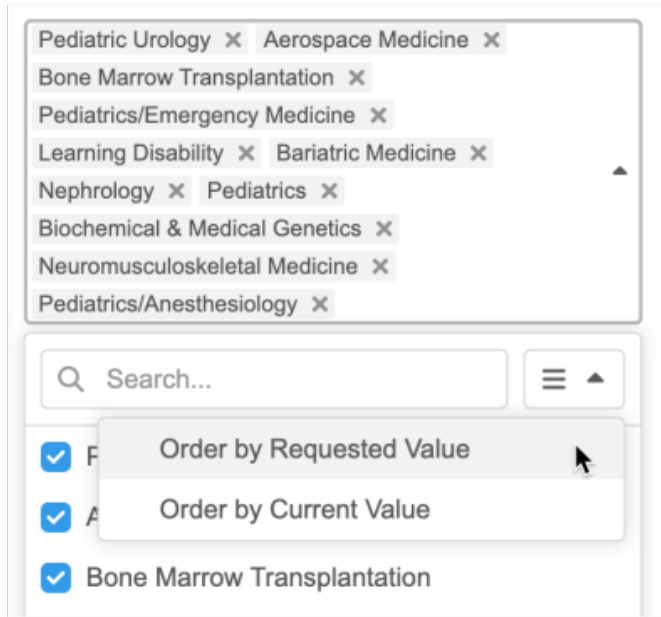



Sort values

Data Stewards can change the order of the values in the list. The order that is defined when the DCR is approved is the order the values will display on the record profile.

To reorder the fields, click the **Sort**  icon and choose one of the following options:

- **Order by Requested Value** - (Default) Display the requested values at the beginning of the list.
- **Order by Current Value** - Display the current value on the record at the beginning of the list. The newly requested values will move to the end of the list.



To manually reorder values so they are listed by priority, click the field and hover over a value to display the **Handle**  icon. Use the icon to move the value into a different position in the list.

Submit DCRs from the Network API

Integration users can submit data change requests on custom multivalued reference fields.

A maximum of 50 values are supported for each field.

Exceeded limit

If the limit is exceeded, the changes for that field will be automatically rejected.

The following Resolution Note will be applied to the task:

```
System Rejected - Multivalued field's reference code count has exceeded the limit.
```

The result in the API will be CHANGE_REJECTED.



Reporting

Advanced reporting users can run queries on multivalued reference fields in the SQL Query Editor (**Reports**). Previously, when the fields were used, they were treated as a String.

The following functions are now available to query the fields.

multivalued_size

Returns the number of values (integer) in a multivalued field.

Syntax

```
multivalued_size(<multivalued field name>)
```

Example query

This query returns a count of the values in the `all_specialties__c` multivalued field.

```
SELECT
    vid__v,
    all_specialties__c,
    multivalued_size (all_specialties__c)
FROM
    hcp
ORDER BY
    all_specialties__c ASC
```

Results

This query returns the following details in the results:

- **VID** - The ID of the record.
- **Multivalued field name** - A list of the reference codes for the values in the order they display on the record.
- **Multivalued_size** - A count of the field values.

If a record has no values for the field, the multivalued field name column is empty and the **Multivalued_Size** column value is 0.



Sample Queries My Recent Queries Query Helper: Keywords Operators Format Query

```
1 SELECT
2     vid_v,
3     all_specialties__c,
4     multivalued_size (all_specialties__c)
5 FROM
6     hcp
7 ORDER BY
8     all_specialties__c ASC
```

Query Valid Include only VALID and UNDER_REVIEW records in results. ⓘ

Report Results (66 records) Download Report Create Custom Table View Full Screen

VID	ALL SPECIALTIES	MULTIVALUED_SIZE
243154001430840322	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OM	50
649913798739641408	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OM	50
243217471518016514	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OM	50
649913581810238522	AR,CBG,BBK,BIOCHEM,BMG,AS,ACU,PSU,CHD,ADL,AMI,AMF,ILI,PLI,ICE,CCG	21
648543294220944411		0

multivalued_index

Returns the numerical position of the provided reference code in the multivalued field (or null if the value is not present).

Syntax

```
multivalued_index(<multivalued field name>, '<ref code>')
```

Example query

In this example, the query returns the position of the MSR value for the all_specialties__c field for each record.

```
SELECT
    vid_v,
    all_specialties__c,
    multivalued_index (
        all_specialties__c,
        'MSR'
    ) AS md_spec__idx
FROM
    hcp
ORDER BY
    all_specialties__c ASC
```



Results

This query returns the following details in the results:

- **VID** - The ID of the record.
- **Multivalued field name** - A list of the reference codes for the value sin the order they display on the record.
- **MD_SPEC_IDX** (custom column name) - The placement of the defined reference code in the list.

In the example results, the MSR value is in the eighth (8) position for the first three records. It is not a value in the fourth record so 0 displays.

If a record has no values for the field, the multivalued field name column is empty and the MD_SPEC_IDX column value is 0.

Sample Queries
My Recent Queries
Query Helper: Keywords Operators
Format Query

```

1 SELECT
2   vid__v,
3   all_specialties__c,
4   multivalued_index (
5     all_specialties__c,
6     'MSR'
7   ) AS md_spec__idx
8 FROM
9   hcp
10 ORDER BY
11   all_specialties__c ASC
            
```

Query Valid
 Include only VALID and UNDER_REVIEW records in results. ⓘ

Report Results (66 records)
Download Report
Create Custom Table
View Full Screen

VID	ALL SPECIALTIES	MD_SPEC_IDX
243154001430840322	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AI	8
649913798739641408	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AI	8
243217471518016514	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AI	8
649913581810238522	AR,CBG,BBK,BIOCHEM,BMG,AS,ACU,PSU,CHD,ADL,AMI,AMF,ILI,PLI,ICE,CCG,CG,	0
648543294220944411		0



multivalued_value

Use to extract a single reference code at a given position.

Syntax

```
multivalued_value(<multivalued field name>, index)
```

Example query

This query extracts the values in the first (1) and second (2) position from the `all_specialties__c` multivalued field.

```
SELECT
  vid_v,
  all_specialties__c,
  multivalued_value (
    all_specialties__c,
    1
  ) AS primary_spec,
  multivalued_value (
    all_specialties__c,
    2
  ) AS secondary_spec
FROM
  hcp
ORDER BY
  all_specialties__c ASC
```

Results

This query returns the following details in the results:

- **VID** - The ID of the record.
- **Multivalued field name** - A list of the reference codes for the values in the order they display on the record.
- **Primary_spec** (custom column name) - The reference code that is listed as the first value in the multivalued field.
- **Secondary_Spec** (custom column name) - The reference code that is listed as the second value in the multivalued field.

The columns are null if there are no values on the field for a record.



Sample Queries
My Recent Queries
Query Helper: Keywords Operators Format Query

```

1 SELECT
2   vid_v,
3   all_specialties__c,
4   multivalued_value (
5     all_specialties__c,
6     1
7   ) AS primary_spec,
8   multivalued_value (
9     all_specialties__c,
10    2
11   ) AS secondary_spec
12 FROM
13   hcp
14 ORDER BY
15   all_specialties__c ASC
    
```

Query Valid
 Include only VALID and UNDER_REVIEW records in results.

Report Results (66 records)
Download Report
Create Custom Table
View Full Screen

VID	ALL SPECIALTIES	PRIMARY_SPEC	SECONDARY_SPEC
243217471518016514	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AI	AI	NAT
649913798739641408	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AI	AI	NAT
243154001430840322	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AI	AI	NAT
649913581810238522	AR,CBG,BBK,BIOCHEM,BMG,AS,ACU,PSU,CHD,ADL,AMI,AMF,ILI,PLI,ICE,CCG,CG	AR	CBG
648543294220944411			

multivalued_has

Returns *True* or *False* if the field contains *all* the provided reference codes in any order.

Syntax

```
multivalued_has(<multivalued field name>, '<ref code 1>', '<ref code 2>', ... )
```

Example query

This query returns *True* if the MSR and CTR reference codes are listed as a value anywhere on the all_specialties__c multivalued field, otherwise, *False* is returned.

```

SELECT
  vid_v,
  all_specialties__c,
  multivalued_has (
    all_specialties__c,
    'MSR', 'CTR'
  ) AS is_radiology
FROM
  hcp
ORDER BY
  all_specialties__c ASC
    
```



Results

This query returns the following details in the results:

- **VID** - The ID of the record.
- **Multivalued field name** - A list of the reference codes for the values in the order they display on the record.
- **Is_Radiology** (custom column name) - The value is *True* (t) if all the reference codes (MSR and CTR) are listed on the multivalued field. The value is *False* (f) if all the reference codes are not listed.

In these example results, the first and third record contain both values (in any position), so *True* is returned. The second record contains only one of the values and the fourth record contains neither value so *False* is returned.

Sample Queries
My Recent Queries
Query Helper:
Operators
Format Query

```

1 SELECT
2   vid__v,
3   all_specialties__c,
4   multivalued_has (
5     all_specialties__c,
6     'MSR', 'CTR'
7   ) AS is_radiology
8 FROM
9   hcp
10 ORDER BY
11   all_specialties__c ASC

```

Query Valid
 Include only VALID and UNDER_REVIEW records in results. ⓘ

Report Results (66 records)
Download Report
Create Custom Table
View Full Screen

VID	ALL SPECIALTIES	IS_RADIOLOGY
243217471518016514	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,CTR,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,A	t
649913798739641408	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,CTR,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,A	f
243154001430840322	AI,NAT,TPP,ATP,NPM,UP,CTR,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AHI	t
649913581810238522	AS,ACU,PLI,AMF,ILI,ICE,CCG,CG,CIP,CIM,ALI,CMG,AC,ADM,AMD,CBG,CHC,CHN,CAI	f
648543294220944411		f



multivalued_contains

Use to find if the multivalued field contains all the provided reference codes. The order that the codes are listed in the field is important. Returns *True* or *False*.

Syntax

```
multivalued_contains(<multivalued field name>, '<ref code 1>', '<ref code 2>', ...)
```

Example query

This query returns *True* if the MSR and CTR reference codes are listed as a value in that order on the `all_specialties__c` multivalued field, otherwise, *False* is returned.

```
SELECT
  vid__v,
  all_specialties__c,
  multivalued_contains (
    all_specialties__c,
    'MSR', 'CTR'
  ) AS is_radiology
FROM
  hcp
ORDER BY
  all_specialties__c ASC
```

Results

This query returns the following details in the results:

- **VID** - The ID of the record.
- **Multivalued field name** - A list of the reference codes for the values in the order they display on the record.
- **Is_Radiology** (custom column name) - The value is *True* (t) if the MSR and CTR reference codes are listed in the specified order on the multivalued field.

The value is *False* (f) if those reference codes are not listed or they are listed in a different order.



Sample Queries My Recent Queries Query Helper: Keywords Operators Format Query

```

1 SELECT
2   vid_v,
3   all_specialties__c,
4   multivalued_contains (
5     all_specialties__c,
6     'MSR', 'CTR'
7   ) AS is_radiology
8 FROM
9   hcp
10 ORDER BY
11   all_specialties__c ASC

```

Query Valid Include only VALID and UNDER_REVIEW records in results.

Report Results (66 records) Download Report Create Custom Table View Full Screen

VID	ALL SPECIALTIES	IS_RADIOLOGY
243217471518016514	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,CTR,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,	t
649913798739641408	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,CTR,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,	t
243154001430840322	AI,NAT,TPP,ATP,NPM,UP,CTR,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AI	f
649913581810238522	AS,ACU,PLI,AMF,ILI,ICE,CCG,CG,CIP,CIM,ALI,CMG,AC,ADM,AMD,CBG,CHC,CHN,C,	f
648543294220944411		f

multivalued_anyOf

Returns *True* or *False* if the multivalued field contains *any* of the provided reference codes in any order.

Syntax

```
multivalued_anyOf(<multivalued field name>, '<ref code 1>', '<ref code 2>', ...)
```

Example query

This query returns *True* if either of the CTR or MSR reference codes are listed as a value anywhere on the all_specialties__c multivalued field, otherwise, *False* is returned.

```

SELECT
  vid_v,
  all_specialties__c,
  multivalued_anyOf (
    all_specialties__c,
    'CTR', 'MSR'
  ) AS is_Radiology
FROM
  hcp
ORDER BY
  all_specialties__c ASC

```



Results

This query returns the following details in the results:

- **VID** - The ID of the record.
- **Multivalued field name** - A list of the reference codes for the values in the order they display on the record.
- **Is_Radiology** (custom column name) - The value is *True* (t) if the *CTR* and/or *MSR* reference codes are values on the multivalued field (in any order).

The value is *False* (f) if neither reference code is not listed.

Sample Queries
My Recent Queries
Query Helper:
Operators
Format Query

```

1 SELECT
2     vid__v,
3     all_specialties__c,
4     multivalued_anyOf (
5         all_specialties__c,
6         'CTR',
7         'MSR'
8     ) AS is_Radiology
9 FROM
10    hcp
11 ORDER BY
12    all_specialties__c ASC
    
```

✓ Query Valid
 Include only VALID and UNDER_REVIEW records in results. ⓘ

Report Results (66 records)
Download Report
Create Custom Table
View Full Screen

VID	ALL SPECIALTIES	IS_RADIOLOGY
243217471518016514	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AHF,I	t
649913798739641408	AI,NAT,CTR,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AHF,I	t
243154001430840322	AI,NAT,TPP,ATP,NPM,UP,AM,MSR,CTR,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AHF,I	t
649913581810238522	AS,ACU,PLI,AMF,ILI,ICE,CCG,CG,CIP,CIM,ALI,CMG,AC,ADM,AMD,CBG,CHC,CHN,CAF	f
648543294220944411		f



multivalued_firstOf

Returns the first reference code that displays on the multivalued field from the provided values (order does not matter).

Syntax

```
multivalued_firstOf(<multivalued field name>, '<ref code 1>', '<ref code 2>', ...)
```

Example query

This query returns the reference code that is listed first on the `all_specialties__c` multivalued field from the provided values (AI, AM, CMG). If none of the reference codes are listed as the value on the field, null is returned.

```
SELECT
  vid__v,
  all_specialties__c,
  multivalued_firstOf (
    all_specialties__c,
    'AI',
    'AM',
    'CMG'
  ) AS first_spec
FROM
  hcp
ORDER BY
  all_specialties__c ASC
```

Results

This query returns the following details in the results:

- **VID** - The ID of the record.
- **Multivalued field name** - A list of the reference codes for the values in the order they display on the record.
- **First_Spec** (custom column name) - The reference code that is listed first on the multivalued field from the list of provided values.

The value is null if none of the reference codes are listed.



Sample Queries
My Recent Queries
Query Helper: Keywords Operators Format Query

```

1 SELECT
2     vid__v,
3     all_specialties__c,
4     multivalued_firstOf (
5         all_specialties__c,
6         'AI',
7         'AM',
8         'CMG'
9     ) AS first_spec
10 FROM
11     hcp
12 ORDER BY
13     all_specialties__c ASC
                
```

✓ Query Valid
 Include only VALID and UNDER_REVIEW records in results. ⓘ

Report Results (66 records)
Download Report
Create Custom Table
View Full Screen

VID	ALL SPECIALTIES	FIRST_SPEC
243217471518016514	AI NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AHF,MOS,PRI	AI
649913798739641408	AI NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AHF,MOS,PRI	AI
243154001430840322	AI NAT,TPP,ATP,NPM,UP,AM,MSR,PDS,A,NAP,PTP,DAP,MGP,PPR,ASO,NSP,OMO,AHF,MOS,PRI	AI
649913581810238522	AS,ACU,PLI,AMF,ILI,ICE,CCG,CG,CIP,CIM,ALI,CMG AC,ADM,AMD,CBG,CHC,CHN,CAP,CHP9,C	CMG
648543294220944411		

Joins on multivalued fields

You can use the multivalued functions and join against other reporting tables, for example, reference language tables or revision history tables.

Translation query example

This query extracts the records that have the AM reference code as the first value on the all_specialties__c multivalued field. Then, it returns the English label for the AM code.

```

SELECT
    vid__v,
    last_name__v,
    hcp_status__v,
    specialty_code.en AS specialty_1_english
FROM
    hcp JOIN reference_lang specialty_code
        ON specialty_code.code = multivalued_value (
            all_specialties__c,
            1
        )
WHERE
    multivalued_has (
        all_specialties__c,
        'AM'
    )
    AND reference_type = 'Specialty'
                
```



Results

The English label displays for the AM reference code: *Allergy & Immunology*.

Sample Queries | My Recent Queries | Query Helper: | Keywords | Operators | Format Query

```
1 SELECT
2     vid__v,
3     last_name__v,
4     hcp_status__v,
5     specialty_code.en AS specialty_1_english
6 FROM
7     hcp JOIN reference_lang specialty_code
8         ON specialty_code.code = multivalued_value (
9         all_specialties__c,
10        1
11       )
12 WHERE
13     multivalued_has (
14     all_specialties__c,
15     'AM'
16     )
17     AND reference_type = 'Specialty'
```

Query Valid | Include only VALID and UNDER_REVIEW records in results.

Report Results (3 records) | Download Report | Create Custom Table | View Full Screen

VID	LAST NAME	STATUS	SPECIALTY_1_ENGLISH
243154001430840322	Alvarez	Active	Allergy & Immunology
243217471518016514	Dimant	Active	Allergy & Immunology
649913798739641408	Gascón Vilaplana	Active	Allergy & Immunology

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



CLUSTER MANAGEMENT

Updated cluster codes are available for the following country/provider combinations:

- Germany - Insight Health™
The new cluster version is Version 3.0.
- Spain - IQVIA™
The new cluster version is Version 4.0

The new cluster version is available by default if you have the country/provider combination enabled in your Network instance.

Update addresses

To update addresses with the latest cluster codes:

1. In the Admin console, click **Data Model > Cluster Management**.
2. Select the country/provider cluster configuration.
3. In the **Cluster Management Details** section, expand the **Cluster Version** field and choose the newest version.
4. **Save** your changes.
5. Click **Refresh Addresses** to run a data maintenance job to ensure that all addresses for the country have the latest cluster codes.

The new cluster version is available by default if you have these country/provider combinations enabled in your Network instance.



Match

VALIDATION ERRORS

Administrators and Data Managers will now see more detailed feedback for issues with advanced match configurations. An error message displays directly above the advanced XML query box to highlight the incorrect syntax.



This enhancement is enabled by default in your Network instance.

Supported match configurations

The enhanced XML validation messages are applied to the following configurations:

- Match Rule Collections
- Match Default Configuration
- Ad Hoc Match Configuration
- Add Request Match Configuration
- Match configurations in Source Subscriptions



Subscriptions

JOB TRIGGERS

Subscription jobs listed in the **Job Triggers** section now display as hyperlinks. These are the jobs that will be started when the subscription completes.

Administrators and Data Managers can use the link to easily navigate to that subscription configuration. This is also helpful for confirming that the job is configured to start the correct subscription, especially when subscriptions have similar names.

JOB TRIGGERS

Subsequent Actions

- When this job completes successfully then start another job: [anonymize](#).
- When this job completes successfully then start another job: [customer](#).
- When this job completes successfully then start another job: [customerTarget](#).

[+ Add Trigger](#)

This enhancement is enabled by default in your Network instance.

JOB END TIME

The Job Details page for all jobs now includes the time that the job ended. This can help Administrators and Data Managers troubleshoot issues.

Job Details (ID: 1) Cancel Job

Overview

System	CRM	Subscription	CRM_Delta
Start Time	2024-10-30 09:29:40 EDT	End Time	2024-10-30 09:29:44 EDT
Job ID	1	Duration	a few seconds
Percent Complete	100.00%	Current Stage	FinalStage
Outcome	COMPLETE	Type	Data
Started By	system admin1	Full Data Extract	No
Delta Tag Start	0	Delta Tag End	0
Level of Hierarchy Exported	1	Zip Files Individually?	No

Job Result Summary

This enhancement is enabled by default in your Network instance.



Supported subscription jobs

Job status

The **End Time** displays on jobs that have the following job status:

- COMPLETE
- FAILED
- CANCELLED
- KILLED

Job types

All subscription jobs are supported.

- Source subscriptions
- Target subscriptions
- US Compliance subscriptions
- Veeva OpenData subscriptions
- Data Updater jobs
- Ad Hoc Match Jobs
- Key Network data maintenance job
- Data maintenance subscriptions
- Network Bridge jobs
- Veeva Connector jobs



Vault CRM

DCR ATTACHMENTS

DCRs received from Vault CRM can now include attachments. Support for adding attachments on DCRs was added in Vault CRM version 24R3.2.

This enhancement is enabled by default. Network has supported attachments on DCRs since version 23R3.0 (December 2023).

Support for attachments

- **Number of files** - A maximum of three files.
- **File size** - 10 MB maximum for each file.
- **File types** - Only image file types are supported in Veeva Network.
 - BMP
 - GIF
 - HEIF (supported on Apple® devices only)
 - JPG/JPEG
 - PNG
 - TIF/TIFF
- **Descriptions** - A maximum of 1000 characters can be added.
- **Platforms** - Vault CRM Browser and iPad.

Network configuration

Attachments must be configured for each object type (HCP, HCP).

If you have enabled attachments for objects in your Network instance already, no changes are required to support these DCRs from Vault CRM.

For details, see [Enable attachments on DCRs](#) in the *Veeva Network Online Help*.

Vault configuration

Configuration steps are required in Vault CRM to support attachments on DCRs.

For details, see the [DCR Attachments](#) topic in the *Vault CRM Online Help*.



LONG NOTES ON DATA CHANGE REQUESTS

Network accepts DCRs submitted from Vault CRM that include notes containing up to 1,000 characters. Vault CRM added support for long notes in version 24R3.2.

Vault CRM users can add detailed comments in the **Notes** section on DCRs to provide data stewards with the information they need to verify the requested changes.

This enhancement is enabled by default in your Network instance.

Support for long notes

Long notes are available in the Browser and iPad.

Network configuration

No configuration is required in Network to support additional text on DCRs sent from Vault CRM.

Previously, the maximum characters supported for Notes on DCRs was 255 characters.

Vault CRM configuration

Configuration steps are required in Vault CRM to support long notes on DCRs.

For details, see the [Long Notes in Data Change Requests](#) topic in the *Vault CRM Online Help*.

NULL VALUES FOR MISSING REFERENCE MAPPINGS

When records are sent to Vault CRM through the Network Bridge, any values that do not have a corresponding Network Reference Mapping in CRM are now replaced with a null value so the record can be upserted. Previously, records with missing reference mappings failed to upsert.

This enhancement is enabled by default.

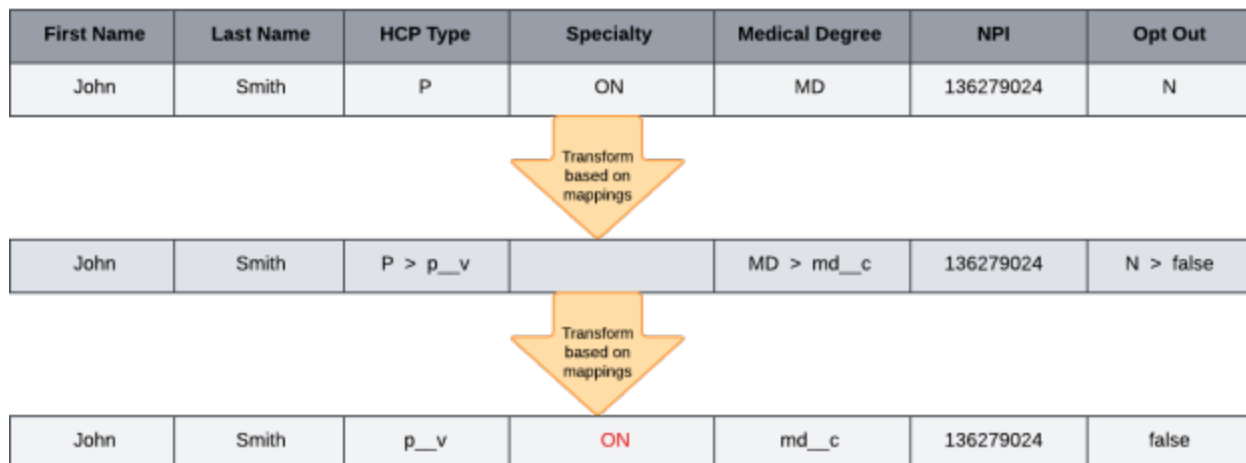
About reference mappings

Network reference values must be mapped to Vault CRM reference values. Values for reference type fields are frequently added by Veeva OpenData so the mappings must be maintained.

When the Network Bridge runs, the Network reference codes are transformed to the Vault CRM reference codes. Previously, if a reference mapping was missing, the Network code remained in the field. The record would fail to upsert because the Network code does not include the `__v` or `__c` suffix that Vault CRM codes have.



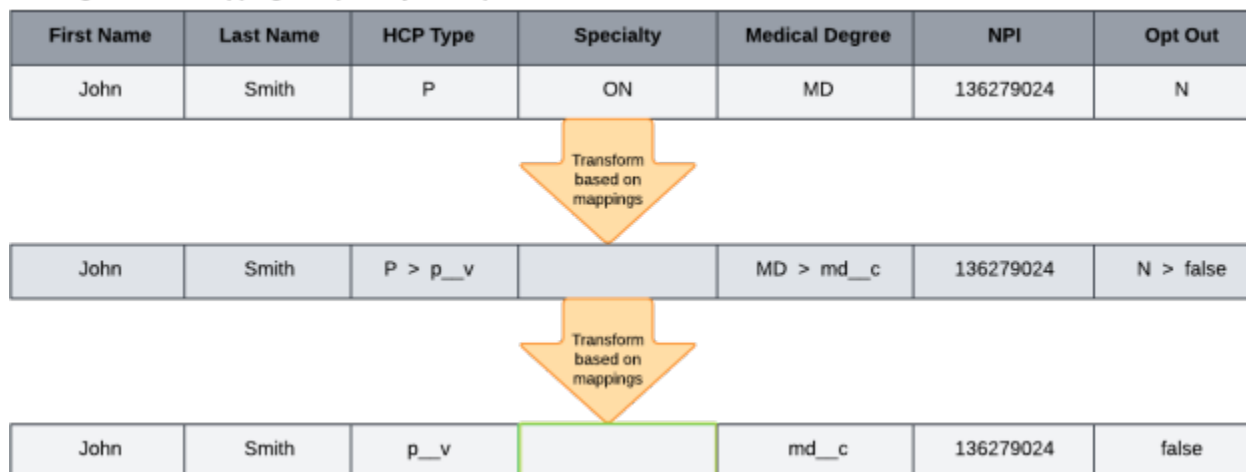
Missing reference mapping for Specialty ON - Upsert fails



Note: The upsert fails for each object record only. For example, if the missing reference mapping is on the HCP record, it will fail to upsert but any related addresses or relationships will upsert successfully.

Now, missing reference codes will be replaced with a null value after the transform so the record can be upserted. The reference field value will be null, so it should be fixed by creating the mapping, but the record will be successfully updated.

Missing reference mapping for Specialty ON - Upsert successful



Considerations for required fields

If the missing reference value is for a required field in Vault CRM, the record will fail to upsert because there's no value. For example, Primary Country is a required field for records in Vault CRM. A record cannot be added without a value in the Primary Country field.



Field exceptions

If there are fields that you do not want to be upserted to Vault CRM with a null value, contact Veeva Support.

These fields can be configured so they will not be changed to null. The record will fail to upsert.

Resolve missing reference mappings

When reference mappings are missing, the record will be upserted but the field value will be missing in Vault CRM.

After the bridge job runs, any missing reference mappings display as a **Vault Upsert Error** on the Job Details page and will be logged as a **Record Level Error**.

ERROR TYPE	AMOUNT
Vault Upsert Error	1

Click **Download Error Report Log** to view the error details.

The log identifies the error as a missing reference mapping and displays the reference type field and the reference code.

```
Missing Network Reference Mapping, record updated with null value: ON for specialty_1__v
```

Use this information to update your Network - Vault CRM reference mappings.

You can validate the Vault CRM Bridge to help identify and correct all missing reference mappings. To proactively maintain the bridge mappings, run the bridge validation monthly or quarterly.

Updates to reference codes

Network publishes the changes to OpenData reference codes in the *Veeva Network Data Governance* document with each Network release. Use this document to maintain your reference mappings.

The Data Governance document is published in the [Veeva Network Online Help](#) for each release.



VAULT CRM BRIDGE JOB CHANGES

Network Address and License objects map to the Vault CRM Address object. Address and License jobs will now be combined when they are upserted in the Vault CRM Bridge.

On the Job Details page, the **Bridge Summary** section will now display Address and License counts together in the **Address** row.

▼ Bridge Summary			
OBJECT TYPE	ADDS	UPDATES	ERRORS
CONTROLLED_ADDRESS	0	0	0
HCP	100	0	0
PARENTHCO	0	200	0
HCO	300	0	0
ADDRESS	0	200	0

This change is enabled by default in your Network instance.

Users

PASSWORD RESETS FOR PORTAL USERS

When Administrators reset passwords from the Network UI, Portal Users will receive an email that includes their username and a link to Network Portal login page.



Reset your Veeva Network Portal Password External Inbox x

Veeva Network network-emails@veevanetwork.com via networkdev.veeva.com
to me ▾

Veeva Network

Network Portal

Reset your Network Portal Password

A password reset has been requested for the Network Portal account associated with this email address. If you did not request this reset, contact your system administrator.

Username: scott.woods@verteo.com

[Reset Password](#)

If you're having trouble with the button, click on the link below (or copy and paste it into your browser)

<https://verteo.veevanetwork.com/portal/login#!/auth/createPassword?B8E5F5403723D29FA44D8270BCEFF2032427B1B9A6D9B4805209B086C2ABE2D63D2B12D7062C570778D4ABF0C28BE63BA8A4A25FFD9AF4FC2B725783F54304BA9485C61D66799FE47CF926CC73143FD5C1EFA81E938BC0CC6E61A89939D43051&selectedLang=en>

This enhancement is enabled by default in your Network instance.