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Vocera QGenda Adapter Configuration Guide

Version 1.0.0

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ADP-qgenda-100-Docs build 281

Contents

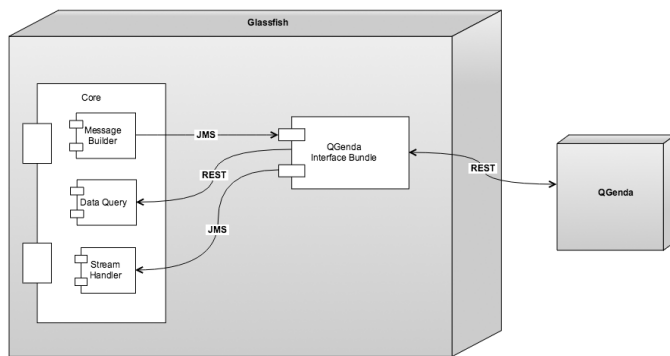# Understanding a Vocera QGenda Adapter Configuration

Configure a Vocera QGenda Adapter to enable communication with Vocera Platform and the QGenda system.

Adapters send information to and receive information from the Vocera Platform, as well as monitor and collect data. Each adapter is configured to allow the Vocera Platform to communicate with a specific type of resource and any devices that resource may control.

QGenda is a scheduling application used for scheduling on-call physicians for hospitals. The Vocera QGenda Adapter provides a mechanism by which the on-call schedule information in the QGenda system can be stored in the Vocera Platform as assignments. This will allow the information to be made available to end users of supported devices, such as Vocera Vina, VCS, and the Vocera badges.

See Integrating QGenda with Vocera Platform on page 16 and Understanding Voice Group Sync for additional system-wide conceptual information.

Viewing the Vocera QGenda Adapter Requirements

The minimum requirements for a Vocera QGenda Adapter installation are described here.

System

This Vocera QGenda Adapter depends on Vocera Platform 6.0.0 and greater.

This Vocera QGenda Adapter depends on version 5.5 or greater of the Engage Platform.

Datasets

An adapter defines a default Dataset structure in order to function. Attributes are organized by Datasets and store the information required by the adapter. Adapters use this data during the process of receiving and sending messages.

Not all adapters require Datasets to function. When an adapter does require Datasets, the system will determine if they already exist. If they do not exist, the system will create the needed Datasets.

When creating or editing an adapter, use the following information to select the appropriate datasets in the Required Datasets section.

- The ASSIGNMENTS Dataset stores all assignments for staff. These are used to determine who to send alerts to.
- The FACILITIES Dataset stores all facility information for a site. Represents a physical building location or campus.
- The FUNCTIONAL_ROLES Dataset stores all roles for assignments. These are used to determine the activities users can perform.
- The LOCATIONS Dataset stores all locations. These represent a bed or group of beds to which assignments are made.
- The USERS Dataset stores all Engage users.

ASSIGNMENTS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	assignment_id	N/A	True	N/A	N/A	String	Attribute that stores the unique identifier for the assignment.
Attribute	interface_id	N/A	True	N/A	N/A	String	Attribute that stores the identifier for the interface owning this assignment.
Attribute	level	N/A	True	N/A	N/A	String	Attribute that stores the level of the assignment.
Attribute	assigned_at	N/A	False	N/A	False	Date/Time	Attribute that stores the timestamp at which the assignment was assigned to the user.
Attribute	ends_at	N/A	False	N/A	False	Date/Time	Attribute that stores the timestamp at which the assignment is scheduled to end.

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	external	N/A	False	N/A	False	String	Attribute that stores whether or not the assignment came from an external system.
Attribute	starts_at	N/A	False	N/A	False	Date/Time	Attribute that stores the timestamp at which the assignment is scheduled to start.
Link	location	assignments	False	False	N/A	Many-to-one	The ASSIGNMENTS Dataset is linked to the LOCATIONS Dataset, and the link order is n:1 (many assignments associated to one location)
Link	role	assignments	False	False	N/A	Many-to-one	The ASSIGNMENTS Dataset is linked to the FUNCTIONAL_ROLES Dataset, and the link order is n:1 (many assignments associated to one functional_role)
Link	usr	assignments	False	False	N/A	Many-to-one	The ASSIGNMENTS Dataset is linked to the USERS Dataset, and the link order is n:1 (many assignments associated to one user)

FACILITIES Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	name	N/A	True	N/A	N/A	String	Attribute that stores the unique name of the facility.
Link	locations	facility	False	True	N/A	One-to-many	The FACILITIES Dataset is linked to the LOCATIONS Dataset, and the link order is 1:n (one facility associated to many locations)
Link	roles	facility	False	True	N/A	One-to-many	The FACILITIES Dataset is linked to the FUNCTIONAL_ROLES Dataset, and the link order is 1:n (one facility associated to many functional_roles)

FUNCTIONAL_ROLES Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	name	N/A	True	N/A	N/A	String	Attribute that stores the name of the role.
Link	facility	roles	True	False	N/A	Many-to-one	The FUNCTIONAL_ROLES Dataset is linked to the FACILITIES Dataset, and the link order is n:1 (many functional_roles associated to one facility)

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Link	assignments	role	False	False	N/A	One-to-many	The FUNCTIONAL_ROLES Dataset is linked to the ASSIGNMENTS Dataset, and the link order is 1:n (one functional_role associated to many assignments)

LOCATIONS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	location_id	N/A	True	N/A	N/A	String	Attribute that stores the unique identifier for the location.
Link	facility	locations	True	False	N/A	Many-to-one	The LOCATIONS Dataset is linked to the FACILITIES Dataset, and the link order is n:1 (many locations associated to one facility)
Link	assignments	location	False	False	N/A	One-to-many	The LOCATIONS Dataset is linked to the ASSIGNMENTS Dataset, and the link order is 1:n (one location associated to many assignments)

USERS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	login	N/A	True	N/A	N/A	String	Attribute that stores the login name of the user.

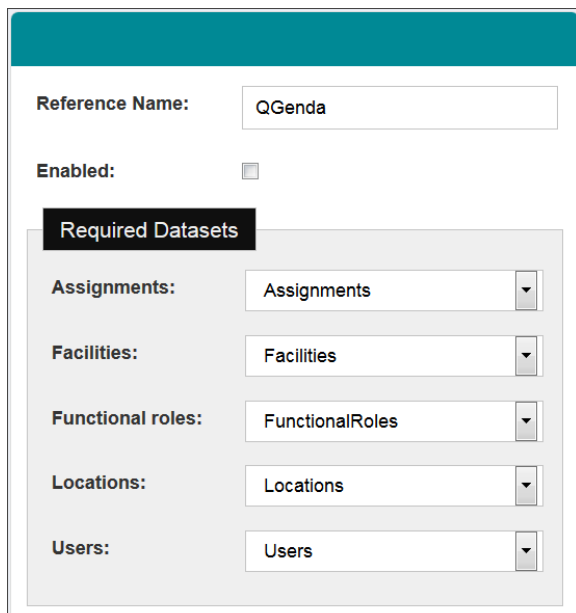| Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Link	assignments	usr	False	False	N/A	One-to-many	The USERS Dataset is linked to the ASSIGNMENTS Dataset, and the link order is 1:n (one user associated to many assignments)

Configuring a Vocera QGenda Adapter

These Vocera QGenda Adapter settings enable communication between the QGenda system and the Vocera Platform.

There can be one instance of the Vocera QGenda Adapter, or multiple instances if the Polling Interval, Time Zone, or Email Login in **Main Settings** are required to be different for multiple companies.

Select an empty field and begin typing, or select an existing value and type over it. To keep an existing value, do not edit that field.

1. Access the Vocera Platform Web Console and navigate to the adapters.

   See Navigating the Vocera Platform Adapters on page 21 for instructions.

2. Select **New Adapter** in the Action menu, or select an adapter you wish to configure and then select **Edit**, to display the configuration fields. The configuration fields are the same for new and existing adapters.

3. Navigate to the New Adapter option, or navigate to an existing adapter to edit. See Creating a New Adapter on page 24 and Editing an Adapter on page 23 for instruction as needed.

   The configuration fields are the same for new and existing adapters.

4. Complete the configuration fields as described in the table.

Configuration Field	Description
Component Name	Click the Component Name field to display a list of the systems and devices that the Vocera Platform currently supports. Select the name of the adapter to create.

Configuration Field	Description
Reference Name	Enter a short descriptive name in the Reference Name field to uniquely identify an adapter instance. It may demonstrate the adapter function or other information; for example, Production adapter may differentiate a live adapter from a development or "sandbox" adapter.
Enabled	Select the Enabled checkbox to allow the Vocera Platform to use the new adapter. The Vocera Platform ignores the adapter if this option is disabled.
Required Datasets	If more than one dataset exists that meets the adapter's requirements, select the appropriate datasets for the new adapter to function correctly. The system searches for the datasets that meet the adapters requirements. If the datasets already exist, the system will use them. If the datasets do not exist, the system will create them automatically. Select Create in the drop-down menu to create a new dataset to meet the organization's requirements.

5. Complete the **Main Settings** configuration fields as described in the table.

   The settings described in this section provide the Vocera Platform with the explicit information required to communicate with the remote QGenda server. The configuration fields display as shown below, with required fields outlined in red. Click on a mapping form to display the configuration fields listed in the information note. Use the descriptions provided in this section to complete the Main Settings configuration fields.

Main Settings Configuration Field	Description
QGenda URL	Enter the URL used to contact the QGenda service. It should generally be left unchanged from the default. This should be the root location for the API that will be used by Vocera Platform to pull the schedule from the QGenda cloud service. This field is required. **Note:** Use the default QGenda URL provided in the configuration, unless otherwise specified.

Main Settings Configuration Field	Description
QGenda Login Email	Enter the email login credential for the account used to make requests to the remote QGenda cloud service and return all schedules. Enter the site-wide, non-administrative credential in this field; the value which gives Read access to all of the hospital's schedules. This field is required.
QGenda Password	Enter the login password for the QGenda account to access the remote cloud service. Enter the site-wide, non-administrative credential in this field; the value which gives Read access to all of the hospital's schedules. This field is required.
QGenda Company Keys	Enter the QGenda-supplied keys that correspond to the companies that will be read by the adapter when requesting physician schedules. The adapter can be configured to manage multiple company keys, or each instance of the adapter could handle one company, as specified by the customer.
Polling Interval	Enter the value used to determine how frequently (in minutes) to poll the remote QGenda server for updated information. Must be between 5 and 720 minutes (12 hours). This field is required. The download and reconcilliation process is run when the adapter starts, and at the poll interval specified. Upon a system failover, the poll is delayed by 10 seconds upon startup. It is important to balance the speed with which schedule updates are detected, and preventing excessive system load. Only current active assignments are relevant, so the time taken to propagate changes of schedule occuring around the schedule start time to hospital staff is the main consideration in setting this value.
Time Zone	Select the time zone to use for processing date and time information retrieved from QGenda. It is assumed that all schedules use the same time zone for their start and end times. In most circumstances, the hospital, the Vocera Platform, and the schedulers are all in the same time zone, and using the System Timezone is optimal. This field is required.
Report Non-Matching	Check this box to indicate whether audit events will be created for tasks which do not match a task mapping. This box is unchecked by default. The Report Non-Matching box can be checked for troubleshooting purposes.

6. Complete the **Task Mappings** configuration fields as described in the table.

   Task Mappings determine the role and location of the created assignment. These in turn are used by the Vocera Assignment Group Sync Adapter to determine the Group mapping, so creating the correct mappings is necessary to make sure the currently on-call specialist gets added to the correct Group and thus enable users to contact them.

   It is important to note that if the location or role does not exist when the assignment is created, it will be created by this adapter; a typo may result in extraneous data being created.

   The Task Mappings map the Task's External Call System ID to the role and location, using regular expressions and mappings for each. This provides a significant degree of mapping flexibility; any of the required values may be hard coded or can be mapped from the Task ID.

   Note that the location and role values are relative to the the assignment being created. At a minimum, the key values for the location and role must be specified.

For a location, the keys are location.location_id and location.facility.name. For a role, the keys are role.name and role.facility.name. It can also be useful to specify other data (especially location.name) in cases where the Location does not exist before the first assignment to it is created.

Task Mappings Configuration Field	Description
Reference Name	Enter a descriptive name for this task mapping, which will be used by the adapter in logging and auditing.
Active	Check this box to enable the task mapping to be used in the implementation. If unchecked, the mapping will not be used.
Discard	Check this box to indicate whether or not to process this schedule. Task Mappings may be created for the sole purpose of filtering tasks from the audit log.
Regex	Enter the regular expression to use to match the role and location from the QGenda Task ID, and capture those values. This field is required.
Mapping	Enter one or more attributes or attribute paths, one per line, to be filled with data from the Regex. In order for an assignment to be properly linked to a role, the role name and role facility name need to be specified. Additionally, in order for an assignment to be properly linked to a location, the location id and the location facility name need to be specified. Note that the location and role values are relative to the the assignment being created. At a minimum, the key values for the location and role must be specified. For a location, the keys are location.location_id and location.facility.name. For a role, the keys are role.name and role.facility.name. It can also be useful to specify other data (especially location.name) in cases where the Location does not exist before the first assignment to it is created.
Add Task Mappings	Select **Add** to add a mapping to the configuration information. Once multiple mappings exist, drag and drop to reorder their priority.
Clone Task Mappings	Select **Clone** to make a duplicate configuration of the selected mapping. The cloned version of the mapping will have a unique reference name and will not be active, by default.

Task Mappings Configuration Field	Description
Remove Task Mappings	Select **Remove** to remove the mapping from the configuration information.

7. Select one of the available options to exit the adapter configuration page. See Saving an Adapter on page 25 for details.

Understanding the Vocera QGenda Adapter Rules

This adapter does not require dataset rule configuration

Integrating QGenda with Vocera Platform

Multiple Vocera Platform components, including the Vocera QGenda Adapter, are utilized in a QGenda system integration.

QGenda is a scheduling application used for, among other things, scheduling on-call physicians for hospitals. This document describes how to use Vocera QGenda Adapter, along with other Vocera Platform components, to allow hospital staff to contact the on-call provider for a particular specialty from the various Vocera endpoints, especially Vocera Vina, Vocera Collaboration Suite, and the Vocera badges.

Key Points

The Vocera QGenda Adapter is used to create assignments on the Vocera Platform for specific roles, locations, and users. These assignments depend on Assignment Manager to determine their current state, based on the assignment start and end times.

Users are mapped from the Staff External Call System ID, obtained from the QGenda system.

Role and Location are determined by the adapter configuration's Task Mapping using the Task External Call System ID, obtained from the QGenda system. At a minimum, the key values for the role and location links on the assignment must be specified, however, other fields on those datasets can also be specified, if useful.

In order to map assignments to groups and contact the users via Vocera Badge or the VCS application, the Vocera Voice Group Sync Adapter has to be used.

Process Overview

The basic intent is that each specialty within an organization will have a single Group representing the currently on-call specialist(s). These groups will then be part of the Mobile roster to allow contact to the specialists via Vocera Vina. For VCS and the Vocera Badges, these groups will also be synchronized with Voice Server groups, which enables users to contact the specialist via the app/device.

The Vocera QGenda Adapter translates each schedule entry in the QGenda schedule into a (potentially future) Assignment in Vocera Platform. Vocera Assignment Manager Adapter is then used to mark those assignments as active (current) and expired. Vocera Assignment Group Sync Adapter is used to then synchronize the active assignments with a Group based on the assignment role and location. If needed for VCS or Badge integration, the Vocera Voice Group Sync Adapter is used to synchronize those groups with Voice Server groups.

The configuration for these components are similar to those used for assignment systems that report future assignments and specify an assignment start and end date. The Vocera QGenda Adapter is considered an "External Staff Assignment System" as described in Understanding Voice Group Sync .

QGenda Overview

Typically, a hospital environment will have multiple QGenda schedules, each controlled by a different physicians group or similar organization, under the hospital's umbrella QGenda environment. Schedule data is entered using the QGenda cloud service, generally by someone on the physicians group administrative staff. The Vocera QGenda Adapter retrieves schedule information from this web application via a REST API.

Within a single schedule there are two primary abstractions:

- **Staff**, representing a single physician or similar specialist. They are identified by the "External Call System ID" in QGenda. This value is mapped to the User's login attribute in Vocera Platform. QGenda will also allow other information about the user to be saved, such as their name and contact information.
- **Task**, representing scheduling time slots for a particular activity to which a staff member will be assigned. They are identified by the "External Call System ID" in QGenda. They also specify a start and end time, which applies to all users assigned to that shift. There is also an ability to specify the number of staff members that should be assigned to a shift at a time.

For example, in a Cardiologist physicians group, the Staff abstraction would represent the physicians as members in the group, while the Task abstraction might represent shifts for the Daytime On-Call, Evening On-Call, and Overnight On-Call physician(s).

Integration Considerations

It is imperative that the External Call System IDs for Staff and Tasks are properly set in QGenda. Any Staff or Task that does not have an External Call System ID set will be ignored.

For Staff, the External Call System ID must match the Vocera Platform login of a user.

For Task, the External Call System ID should be formatted so the Task Mappings in the Vocera QGenda Adapter configuration can be used to set the Role and Location for the Assignment.

Understanding Adapter Installation

Adapters are installed on the Vocera Platform in a solution package, or individually as needed by the customer.

The Vocera Platform uses adapters to integrate with external systems and devices. Each adapter is configured by the user to include information that will allow the Vocera Platform to communicate and interact with a specific type of resource and, depending on the adapter, devices that resource may control. Adapters can allow the Vocera Platform to monitor and collect data, as well as send data out, when triggered manually or automatically.

When implementing Vocera Platform at a customer site, use this document to install an adapter that is not supplied in the Gold Image. Otherwise, you will install a needed adapter when instructed in the solution package installation process described in the Vocera Platform Installation Guide.

Recreating a Repository

In the event that the repository reference file has been compromised, you can re-create the platform repository.

This information should be specified on the related adapter's Release Information page in the wiki. See **Releases** and navigate to the needed adapter.

1. Verify that the adapter resides in a repository which is in '**/etc/yum.repos.d/**'.
2. If the **repolist** or **yum** commands fail, verify that the file exists and try again. For example, use the following code to verify the repository exists on the Vocera Platform appliance:

   ```
   [tpx-admin@engage log]$ cat /etc/yum.repos.d/vocera.repo
   ```
3. Verify the output appears as shown.

   ```
   #-------------------------------------------------------------------------------
   # NOTICE: Only use the General Availability (platform-6.X-ga) repository for customer
    deployments.
   # Use of Controlled Release (platform-6.X-cr) or Software Quality Assurance
    (platform-6.X-sqa) in
   # accordance to process QOP-75-01 Production Work Order and History Record, contact
    your
   # manager for questions.
   #-------------------------------------------------------------------------------
   [Platform-6.0]
   name=Platform-6.0
   baseurl=https://box.voceracommunications.com/Platform-6.0-GA
   enabled=1
   gpgcheck=0
   ```

Installing an Adapter

Install or uninstall a Vocera Platform adapter at a customer site on a Vocera system for a customer.

Execute the following steps using the system's command prompt.

1. Verify that the adapter resides in a repository which is in '**/etc/yum.repos.d/**'.
2. Run the following commands:

```
sudo yum clean all
sudo yum check-updates
```

3. Verify that the rpm package to be installed is available using the following command:

```
sudo yum list available | grep extension
```

4. Install the adapter by specifying its rpm package name in place of <package-name> in the code below. (This information should be specified on the related Release Information page in the wiki; see **Release Notes**.)

```
sudo yum install <package-name>
```

5. Uninstall an adapter by specifying its rpm package name in place of <package-name> in the code below. (This information should be specified on the related Release Notes page; see **Release Notes**.)

```
sudo yum remove <package name>
```

Practicing an Adapter Installation

Replicate these steps using the needed adapter package, in order to install adapters other than the example given here.

1. Verify the repo file contains the repos up to and including the release of interest.

```
[tpx-admin@engage log]$ cat /etc/yum.repos.d/vocera.repo
#--------------------------------------------------------------------------
# NOTICE: Only use the General Availability (platform-6.X-ga) repository for customer
 deployments.
# Use of Controlled Release (platform-6.X-cr) or Software Quality Assurance
 (platform-6.X-sqa) in
# accordance to process QOP-75-01 Production Work Order and History Record, contact
 your
# manager for questions.
#--------------------------------------------------------------------------
[Platform-6.0]
name=Platform-6.0
baseurl=https://box.voceracommunications.com/Platform-6.0-GA
enabled=1
gpgcheck=0
```

2. Execute the following commands:

```
[tpx-admin@engage log] $ sudo yum check-updates
Loaded plugins: langpacks, product-id, subscription-manager
This system is not registered to Red Hat Subscription Management. You can use
 subscription-manager to register.
Quartz
                                                  | 3.6 kB  00:00:00
(1/2): Quartz/group_gz
                                                  |  483 B  00:00:00
(2/2): Quartz/primary_db
                                                  |  29 kB  00:00:00
```

3. Verify the package is available, using the following command:

```
[tpx-admin@engage log] $ sudo yum list available | grep extension
  extension-navicare-interface.x86_64                    1.3.6-0              Platform 5.0
```

4. Install the needed adapter; in this example, install the Navicare adapter:

```
[tpx-admin@engage log] $ sudo yum install extension-navicare-interface
Loaded plugins: langpacks, product-id, subscription-manager
This system is not registered to Red Hat Subscription Management. You can use
 subscription-manager to register.
Resolving Dependencies
--> Running transaction check
---> Package extension-navicare-interface.x86_64 0:1.3.6-0 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package                                      Arch
 Version                         Repository                       Size
================================================================================
Installing:
 extension-navicare-interface                 x86_64
 1.3.3-0                         Quartz                           59 k

Transaction Summary
================================================================================
Install  1 Package

Total download size: 59 k
Installed size: 62 k
Is this ok [y/d/N]: y
Downloading packages:
extension-navicare-interface-1.3.6-0.x86_64.rpm
                                        |  59 kB  00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : extension-navicare-interface-1.3.6-0.x86_64
                                                          1/1
  Verifying  : extension-navicare-interface-1.3.6-0.x86_64
                                                          1/1


Installed:
  extension-navicare-interface.x86_64 0:1.3.6-0


  Complete!
```
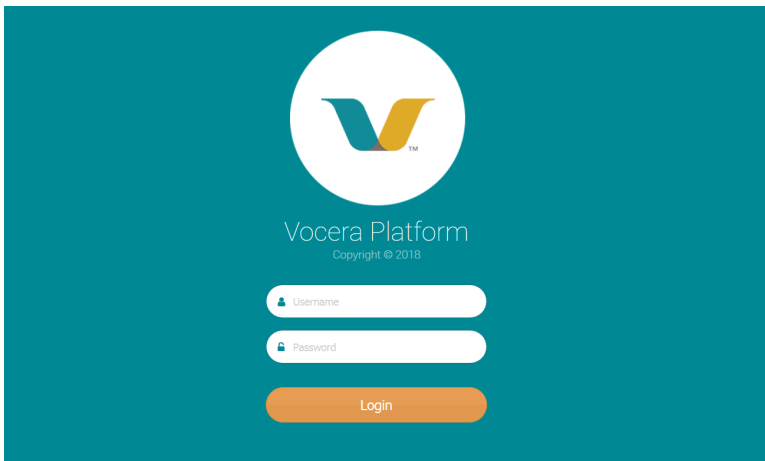
5. This completes the steps to install an adapter.

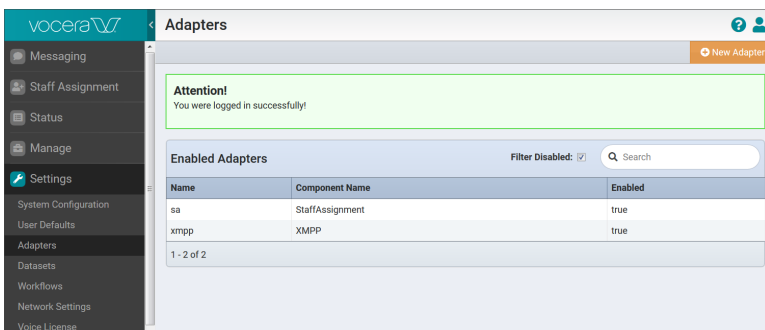# Navigating the Vocera Platform Adapters

Access the Adapters tab and use the filter or search tools to display a specific adapter.

This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.

1. Access the Vocera Platform Web Console and sign in with your system credentials.

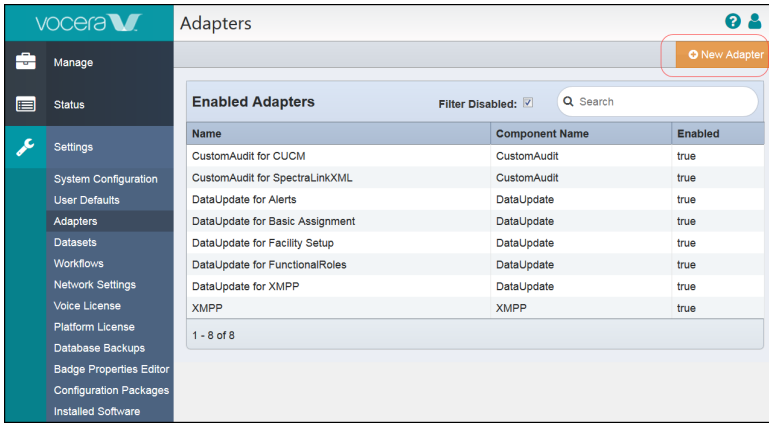2. Select **Settings > Adapters** in the navigation menu.
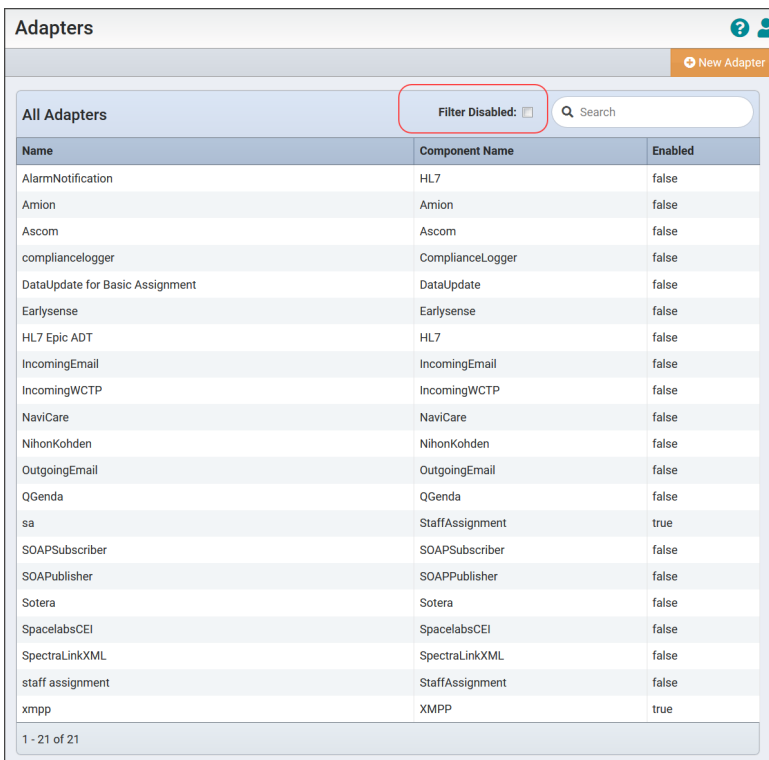

   The **Adapters** page displays.

3. Select an adapter to work with from the list displayed in the grid, or select the New Adapter Action option to create a new adapter.

   On the **Adapters** page you can identify adapters by their name or component name. The Enabled column (displaying a true or false status) indicates whether the adapter is active on the system, or disabled.

   The bottom row of the grid reports the number of adapters displayed, of the available adapters.

   The Filter Disabled box is checked by default, and displays only the enabled adapters that are configured on the Vocera Platform.

4. Uncheck the **Filter Disabled** box to display all the adapters that have been installed, including those that are not currently enabled. The column title now displays **All Adapters**.

The Filter Disabled box is checked by default.

5. Enter a term in the **Search** field to locate a needed adapter on the system.

The search field is identified by a text field with a magnifying glass icon. The search is performed on the Name and Component Name columns.

When results are returned, the column header displays **Adapters Search Results** and an **x** icon allows you to clear the search field.

Editing an Adapter

Edit an adapter that has been installed on the Vocera Platform.

This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.

1. Access the Vocera Platform Web Console and navigate to the adapters.

   See Navigating the Vocera Platform Adapters on page 21 for instructions.

2. Select the adapter to edit in the **Adapters** list.

3. Select **Edit** in the adapter's menu.

   The **Update Adapter** page for the adapter displays.

4. Edit the adapter's settings to revise the configuration as needed. See the adapter-specific configuration page for details on working with settings for this adapter.

   Select an empty field and begin typing, or select an existing value and type over it. To keep an existing value, do not edit that field.
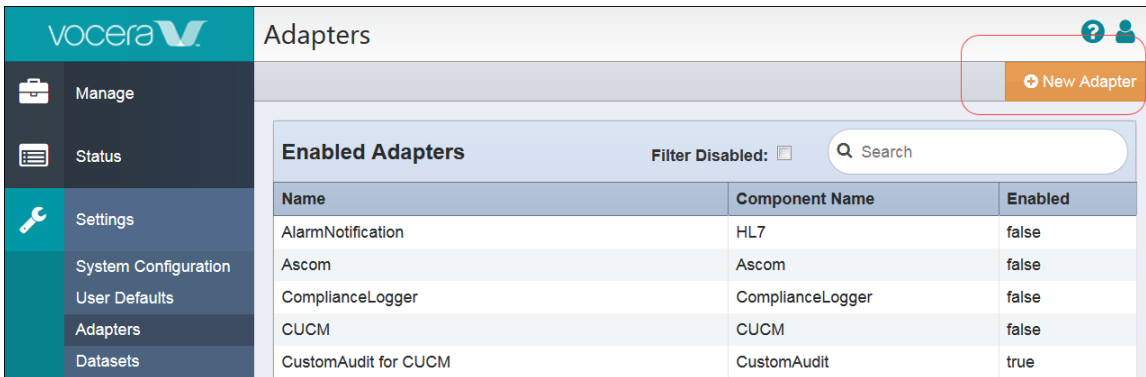

5. Select one of the options to exit the **Update Adapter** page. See Saving an Adapter on page 25 for details.

Creating a New Adapter

Access the Vocera Platform Web Console to work with adapters, or create a new adapter when prompted in the package import process.
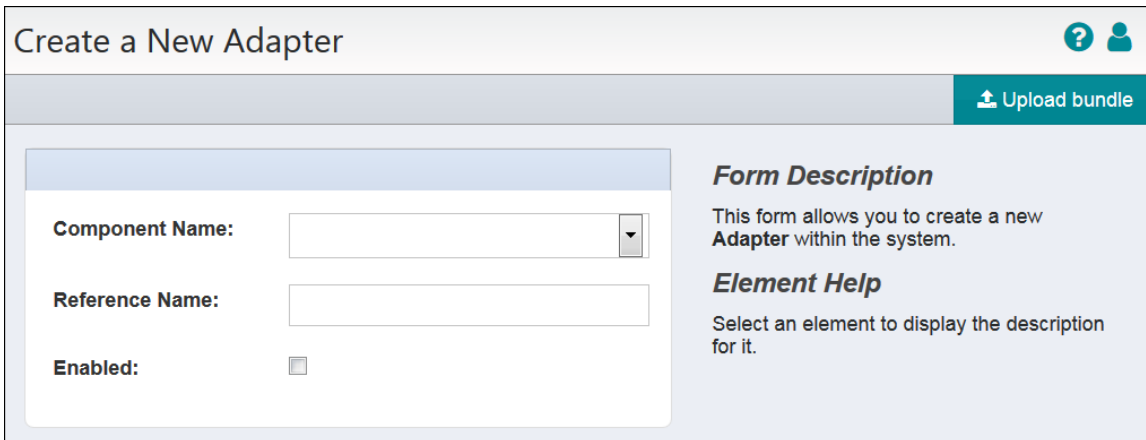
This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.

1. Access the Vocera Platform Web Console and navigate to the adapters.

   See for instructions.

2. Select **New Adapter** in the Action menu on the Adapters page.

   The **Create a New Adapter** dialog displays.

3. Complete the configuration fields.

Name	Description
Component Name *	Select the Component Name field dropdown arrow to display a list of the systems and devices that Vocera currently supports. Select the name of the adapter to create.
Reference Name	Enter a short descriptive name in the Reference Name field to uniquely identify an adapter instance. It may demonstrate the adapter function or other information; for example, Production adapter may differentiate a live adapter from a development or "sandbox" adapter.
Enabled	Select the Enabled check box to allow Vocera Platform to use the new adapter. Vocera ignores the adapter if this option is disabled.

4. Select **Upload Bundle** in the Action menu to install a package on a Vocera Platform.

   Use the Upload Bundle feature to install when the adapter is not available in the Component Name dropdown list, and you have downloaded the needed adapter bundle to a storage location.

5. Click on **Browse** to navigate to the bundle to install.

6. Select one of the Action options to exit from the Upload a Bundle dialog.
   - **Upload**: Upload the selected bundle to the appliance.
   - **Cancel**: Close the Upload a Bundle dialog without making a change to the system.
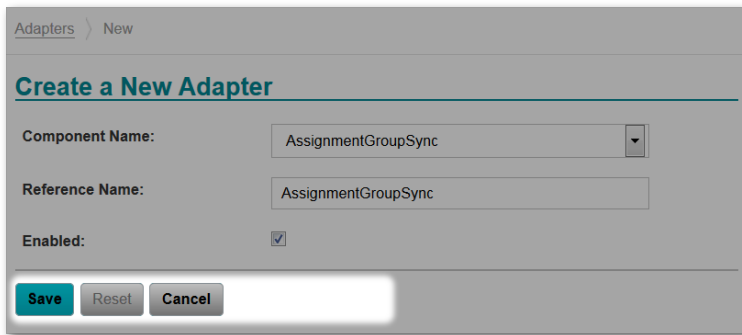
Saving an Adapter

Close an adapter configuration dialog using the Save, Reset, or Cancel options.

This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.

When creating a new adapter, the options at the bottom of the adapter configuration page are Save, and Cancel.

When editing an existing adapter, the options are Save, Reset, and Cancel.

Choose an option to close the dialog:

Option	Description
Save	Select Save to store the adapter configuration in the system, when the fields are set to desired specifications.
Cancel	Select Cancel to close the configuration window without saving your changes to the system.
Reset	Select Reset to clear all fields without closing the window, in order to select other specifications for the adapter's settings.

Deactivating an Adapter

Temporarily deactivate an adapter to avoid unintentional use of it in an implementation.

This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.

1. Access the Vocera Platform Web Console and navigate to the adapter to deactivate.

   See Navigating the Vocera Platform Adapters on page 21 for instructions.

2. Select **Edit** in the Actions menu to access the Update page for the adapter.

3. Un-check the **Enabled** box to temporarily deactivate the adapter.

   When deactivated, the Vocera system will ignore the adapter. You can easily enable or disable the adapter at any time.

4. Select one of the options to exit the **Update Adapter** page. See Saving an Adapter on page 25 for details.

Removing an Adapter

Permanently remove an adapter from the Vocera system.

This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.
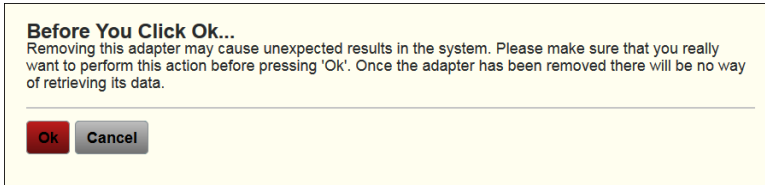
Use the remove function to permanently delete the adapter from the system. Alternatively, you can disable an adapter and the Vocera system will ignore it.

Warning: Remove cannot be undone. If any system features use this adapter, removing the adapter prevents the features from functioning.

1. Access the Vocera Platform Web Console and navigate to the adapter to remove.

   See Navigating the Vocera Platform Adapters on page 21 for instructions.

2. Select **Remove** in the Actions menu to permanently delete the adapter.

3. Click **Ok** in the confirmation window.

- **Ok**: Confirm the choice to remove the adapter from the system.
- **Cancel**: Return to the adapter page without making a change.

4. Confirm that the adapter no longer displays in the Adapters list view, when a success message displays.