

Vocera Sotera Adapter Configuration Guide

Version 1.1.0

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Understanding a Vocera Sotera Adapter Configuration

Configure a Vocera Sotera Adapter to enable communication with a Sotera ESII server and Vocera Platform.

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.

For example, the Vocera Sotera Adapter allows for clinical alert data to be received and stored for patents monitored through a Sotera ESII server.

The Vocera Sotera Adapter configuration defines the parameters used to connect to the server, as well as parameters useful in helping to process the data received. Multiple instances of the adapter can be active at one time.

Viewing the Vocera Sotera Adapter Requirements

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

System

This Vocera Sotera Adapter is designed for use with the Sotera External Systems Integration adapter (ESII) version 1.5.

This adapter depends on Vocera Platform 6.1.0 and greater.

Port

Specify the server port the Vocera Sotera Adapter uses to communicate with the Sotera server. This port number should match the **'esiiDataPort'** on the Sotera ESII server.

SSL Configuration

Configure SSL connectivity to the Sotera ESII server in the **adapter.users.properties** file.

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 **ALERT_LIMITS Dataset** a store for AlarmLimit messages from the Sotera ESII.

- The **BEDS Dataset** all Beds
- The **CLINICAL_ALERTS Dataset** a store for AlarmEvent messages from the Sotera ESII.
- The **CLINICAL_DETAILS Dataset** a store for numerics message from the Sotera ESII at the time of an AlarmEvent.
- The **FACILITIES Dataset** holds information on the facility.
- The **PATIENTS Dataset** all patients
- The **ROOMS Dataset** all Rooms
- The **SOTERA_PATIENTS Dataset** a store for Patient messages from the Sotera ESII.
- The **UNITS Dataset** units

ALERT_LIMITS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	detail_type	N/A	True	N/A	N/A	String	Attribute that stores the type of alert for which this describes a limit.
Attribute	high	N/A	False	N/A	False	Decimal	Attribute that stores the current high limit for this alert.
Attribute	low	N/A	False	N/A	False	Decimal	Attribute that stores the current low limit for this alert.
Link	sotera_patient	alert_limits	True	False	N/A	Many-to-one	The ALERT_LIMITS Dataset is linked to the SOTERA_PATIENTS Dataset, and the link order is n:1 (many alert_limits associated to one sotera_patient)

BEDS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	bed_number	N/A	True	N/A	N/A	String	Attribute that stores bed Number

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Link	room	beds	True	False	N/A	Many-to-one	The BEDS Dataset is linked to the ROOMS Dataset, and the link order is n:1 (many beds associated to one room)
Link	clinicals	bed	False	False	N/A	One-to-many	The BEDS Dataset is linked to the CLINICAL_ALERTS Dataset, and the link order is 1:n (one bed associated to many clinical_alerts)
Link	sotera_patient	bed	False	False	N/A	One-to-one	The BEDS Dataset is linked to the SOTERA_PATIENTS Dataset, and the link order is 1:1 (one bed associated to one sotera_patient)

CLINICAL_ALERTS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	clinical_id	N/A	True	N/A	N/A	String	Attribute that stores unique identifier of the clinical alert.
Attribute	alert_type	N/A	False	N/A	True	String	Attribute that stores the type of this alert.
Attribute	activity_state	N/A	False	N/A	False	String	Attribute that stores whether this alert is active or inactive.
Attribute	alarm_time	N/A	False	N/A	False	Date/Time	Attribute that stores the time this alert occurred.

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	priority	N/A	False	N/A	False	String	Attribute that stores the priority of this alert.
Link	bed	clinical	False	False	N/A	Many-to-one	The CLINICAL_ALERTS Dataset is linked to the BEDS Dataset, and the link order is n:1 (many clinical_alerts associated to one bed)
Link	clinical_detail	clinical	False	True	N/A	One-to-many	The CLINICAL_ALERTS Dataset is linked to the CLINICAL_DETAILS Dataset, and the link order is 1:n (one clinical_alert associated to many clinical_details)
Link	sotera_patient	clinical	False	False	N/A	Many-to-one	The CLINICAL_ALERTS Dataset is linked to the SOTERA_PATIENTS Dataset, and the link order is n:1 (many clinical_alerts associated to one sotera_patient)

CLINICAL_DETAILS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	detail_type	N/A	True	N/A	N/A	String	Attribute that stores the type of this clinical detail.
Attribute	detail_time	N/A	False	N/A	False	Date/Time	Attribute that stores the date and time this clinical detail was recorded.

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	uom	N/A	False	N/A	False	String	Attribute that stores the unit of measure for this clinical detail.
Attribute	value	N/A	False	N/A	False	String	Attribute that stores the value of this clinical detail.
Link	clinical	clinical_detail	True	False	N/A	Many-to-one	The CLINICAL_DETAILS Dataset is linked to the CLINICAL_ALERTS Dataset, and the link order is n:1 (many clinical_details associated to one clinical_alert)

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 facility name
Link	rooms	facility	False	True	N/A	One-to-many	The FACILITIES Dataset is linked to the ROOMS Dataset, and the link order is 1:n (one facility associated to many rooms)
Link	units	facility	False	True	N/A	One-to-many	The FACILITIES Dataset is linked to the UNITS Dataset, and the link order is 1:n (one facility associated to many units)

PATIENTS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	mrn	N/A	True	N/A	N/A	String	Attribute that stores medical Record Number
Link	sotera_patient	patient	False	False	N/A	One-to-one	The PATIENTS Dataset is linked to the SOTERA_PATIENTS Dataset, and the link order is 1:1 (one patient associated to one sotera_patient)

ROOMS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	room_number	N/A	True	N/A	N/A	String	Attribute that stores room Number
Link	facility	rooms	True	False	N/A	Many-to-one	The ROOMS Dataset is linked to the FACILITIES Dataset, and the link order is n:1 (many rooms associated to one facility)
Link	beds	room	False	True	N/A	One-to-many	The ROOMS Dataset is linked to the BEDS Dataset, and the link order is 1:n (one room associated to many beds)
Link	unit	rooms	False	False	N/A	Many-to-one	The ROOMS Dataset is linked to the UNITS Dataset, and the link order is n:1 (many rooms associated to one unit)

SOTERA_PATIENTS Dataset

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Attribute	sotera_patient	N/A	True	N/A	N/A	Integer	Attribute that stores the patient's alias.
Attribute	sotera_server	N/A	True	N/A	N/A	String	Attribute that stores the concatenated server:port of the Sotera server.
Attribute	monitoring_st	N/A	False	N/A	True	String	Attribute that stores the patient's monitoring state. One of "active", "paused" or "stopped".
Attribute	first_name	N/A	False	N/A	False	String	Attribute that stores the patient's first name.
Attribute	last_name	N/A	False	N/A	False	String	Attribute that stores the patient's last name.
Attribute	middle_name	N/A	False	N/A	False	String	Attribute that stores the patient's middle name.
Link	alert_limits	sotera_patient	False	True	N/A	One-to-many	The SOTERA_PATIENTS Dataset is linked to the ALERT_LIMITS Dataset, and the link order is 1:n (one sotera_patient associated to many alert_limits)

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Link	bed	sotera_patient	False	False	N/A	One-to-one	The SOTERA_PATIENTS Dataset is linked to the BEDS Dataset, and the link order is 1:1 (one sotera_patient associated to one bed)
Link	clinicals	sotera_patient	False	False	N/A	One-to-many	The SOTERA_PATIENTS Dataset is linked to the CLINICAL_ALERTS Dataset, and the link order is 1:n (one sotera_patient associated to many clinical_alerts)
Link	patient	sotera_patient	False	False	N/A	One-to-one	The SOTERA_PATIENTS Dataset is linked to the PATIENTS Dataset, and the link order is 1:1 (one sotera_patient associated to one patient)

UNITS Dataset

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

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Link	rooms	unit	False	False	N/A	One-to-many	The UNITS Dataset is linked to the ROOMS Dataset, and the link order is 1:n (one unit associated to many rooms)

Configuring a Vocera Sotera Adapter

These settings enable direct communication between the Vocera Sotera Adapter and the Vocera Platform.

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 22 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 25 and [Editing an Adapter](#) on page 24 for instruction as needed.

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



Component Name: Sotera

Reference Name:

Enabled:

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.
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.

5. Complete the **Datasets** configuration fields as described in the table.

Dataset Configuration Field	Description
Required Datasets	<p>If more than one dataset exists that meets the adapter's requirements, select the appropriate datasets for the new adapter to function correctly.</p> <p>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.</p> <p>Select Create in the drop-down menu to create a new dataset to meet the organization's requirements.</p>

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

These settings define the parameters used to connect to the Sotera server, as well as parameters useful in helping to process the received data.

Main Settings	Description
Server IP Address	Enter the IP address of the Sotera server to which the adapter will make an SSL connection.
Server Port	Enter the port number specified for use by the Sotera server. This port number should match the 'esiiDataPort' on the Sotera ESII server, and the value must be an integer between 1 and 65365.
Temperature Unit	Select the temperature unit to use for patient numerics from the drop down list in the Temperature Unit field. The supported temperatures are Celsius and Fahrenheit.
Assigned Facility	Enter the name of the facility in which the patient beds monitored by the Sotera system are located.

7. Select one of the available options to exit the adapter configuration page. See [Saving an Adapter](#) on page 26 for details.

Understanding the Vocera Sotera Adapter Rules

This adapter does not require dataset rule configuration

Integrating Sotera ESII with Vocera Platform

The Sotera External Systems Integration Interface (ESII) provides access to real-time streaming monitoring data, and alarms or alerts for patients monitored with a ViSi mobile monitoring device.

This monitoring data is published via a continuous stream of binary data from the ESII to the external system. The message structures are defined, encoded and decoded using Google Protocol Buffers. Protocol Buffers provides a code generator that takes a language-independent message definition file as input and produces code for creating messages and serializing/deserializing them to/from a binary data stream. The code can be generated for a number of different platforms.

See [Configuring a Vocera Sotera Adapter](#) on page 13 for guidance on the Vocera Sotera Adapter settings which enable this communication with Vocera Platform.

In the Sotera External Systems Integration Interface (ESII), configure SSL connectivity to the Sotera ESII server in the “interface.user.properties” file.

Navigate the following path to configure SSL connectivity:

```
/opt/Extension/conf/Sotera
```

Additional configuration on the Sotera ESII server may be required.

Enable SSL on the VM or Appliance

Set `SSL_ENABLED` equal to 'true'.

Put a valid keystore on the machine running the adapter.

Set `KEYSTORE_LOCATION` equal to the location of your keystore.

Set `KEYSTORE_PASSWORD` equal to your keystore's password.

Optional SSL Setup

The following steps are optional depending on your setup, and do not need to be completed if using certificates signed by a Certificate Authority:

Put a valid truststore on the machine running the adapter.

Set `TRUSTSTORE_LOCATION` equal to the location of your keystore.

Set `TRUSTSTORE_PASSWORD` equal to your truststore's password.

Disable SSL on the VM or Appliance

Set `SSL_ENABLED` equal to 'false'.

Enable SSL on the Sotera ESII Server

These instructions apply to the VM 'Sotera_SLES_11_SP2' provided by Sotera, and may change in a different version or on the actual Sotera ESII Server.

Navigate to: `~/sotera/pdsinstances/prod/shared/conf`

Open 'prod.properties' in a text editor.

- If 'sslEnabled' is in the file, set 'sslEnabled' equal to 'true'.
- Otherwise, add the line 'sslEnabled=true' to the file.
- Put a valid keystore and truststore on the Sotera ESII server.

Navigate to: `~/sotera/pdsinstances/prod/shared/bin`

Open 'control' in a text editor.

Add the following (with the values changed to the appropriate locations and passwords) to `JAVA_OPTS`:

- `Djavax.net.ssl.keyStore=/path/to/keystore/serverKeystore`
- `Djavax.net.ssl.keyStorePassword=yourPassword`
- `Djavax.net.ssl.trustStore=/path/to/keystore/serverTruststore`
- `Djavax.net.ssl.trustStorePassword=yourPassword`

Disable SSL on the Sotera ESII Server

Navigate to: `~/sotera/pdsinstances/prod/shared/conf`

Open 'prod.properties' in a text editor.

- If 'sslEnabled' is in the file, set 'sslEnabled' equal to 'false'.
- Otherwise, add the line 'sslEnabled=false' to the file.

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
(1/2): Quartz/group_gz | 3.6 kB 00:00:00
(2/2): Quartz/primary_db | 483 B 00:00:00
| 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-навicare-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-навicare-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-навicare-interface.x86_64 0:1.3.6-0 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

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

Transaction Summary

Install 1 Package

Total download size: 59 k

Installed size: 62 k

Is this ok [y/d/N]: y

Downloading packages:

```
extension-навicare-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-навicare-interface-1.3.6-0.x86_64          1/1
Verifying  : extension-навicare-interface-1.3.6-0.x86_64          1/1
```

Installed:

```
extension-навicare-interface.x86_64 0:1.3.6-0
```

Complete!

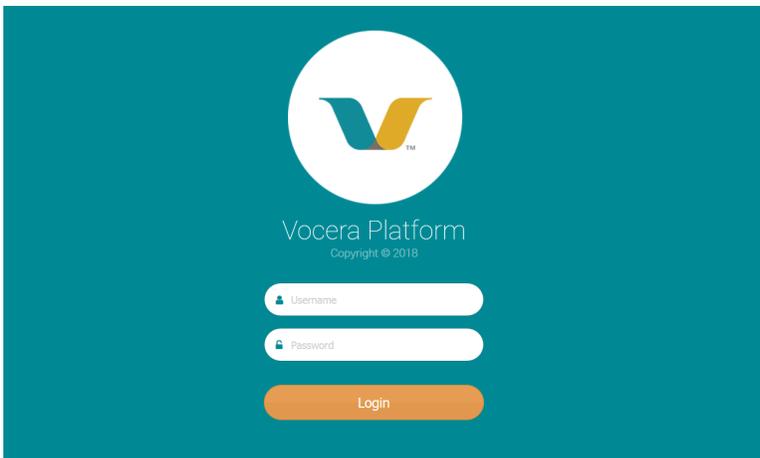
5. This completes the steps to install an adapter.

Navigating the Vocera Platform Adapters

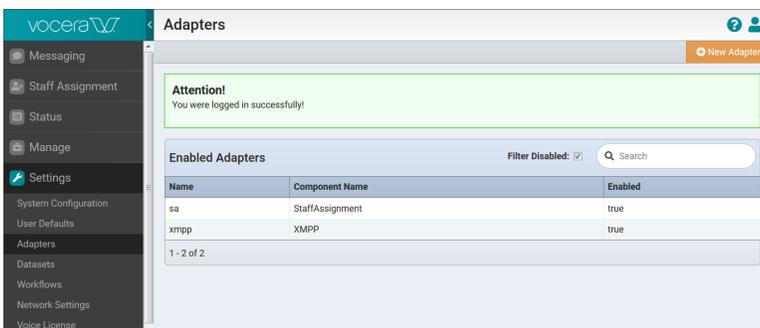
Access the Adapters tab and use the filter or search tools to display a specific adapter.

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.

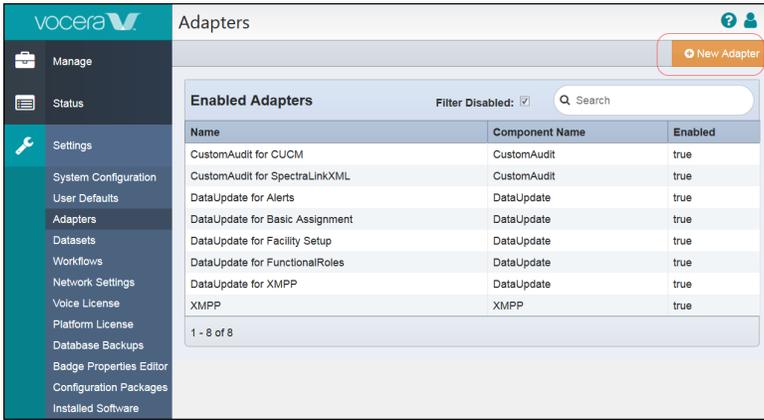


The **Adapters** page displays.

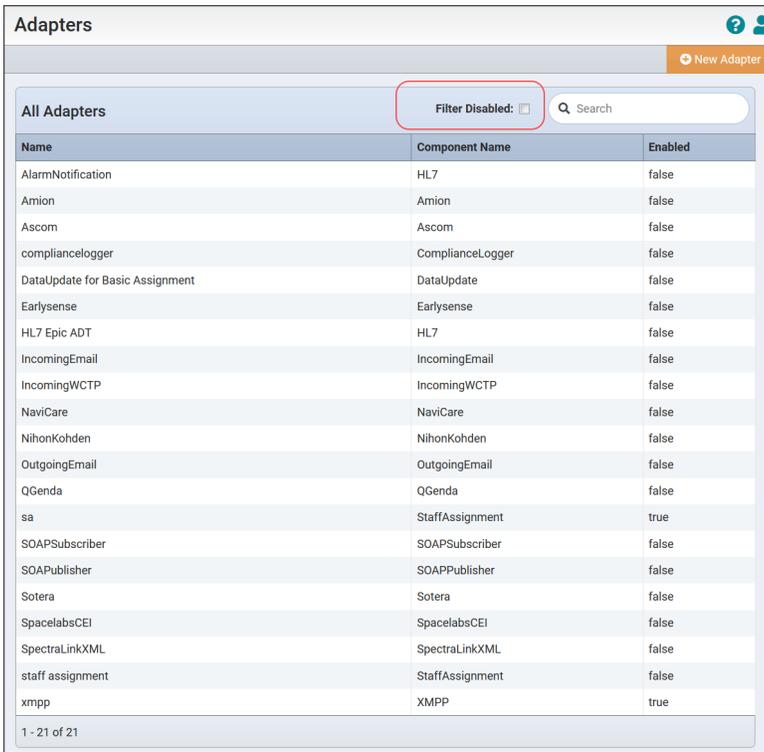
3. Select an adapter to work with from the list displayed in the grid, or select the **New Adapter** Action option to create a new adapter.

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.

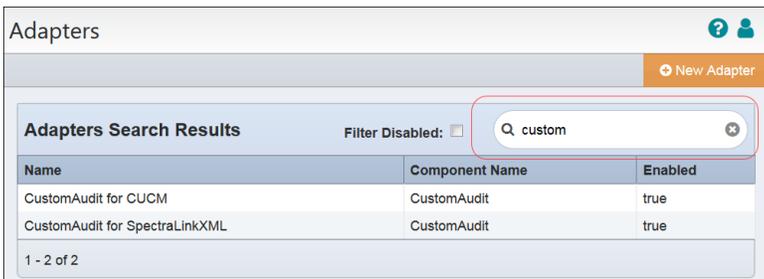
The bottom row of the grid reports the number of adapters displayed, of the available adapters. The Filter Disabled box is checked by default, and displays only the enabled adapters that are configured on the Vocera Platform.



- 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.



- 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.

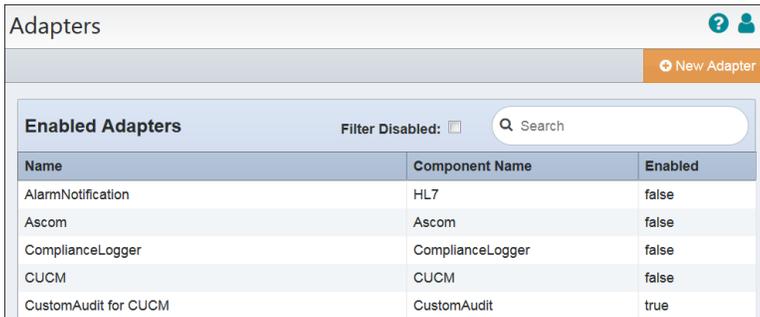


Editing an Adapter

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

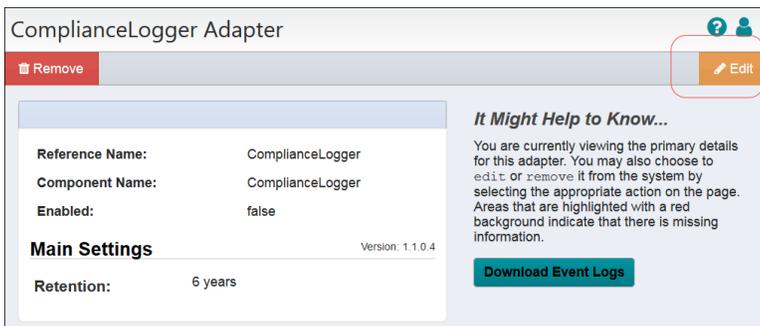
This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.

1. Access the Vocera Platform Web Console and navigate to the adapters.
See [Navigating the Vocera Platform Adapters](#) on page 22 for instructions.
2. Select the adapter to edit in the **Adapters** list.



Name	Component Name	Enabled
AlarmNotification	HL7	false
Ascom	Ascom	false
ComplianceLogger	ComplianceLogger	false
CUCM	CUCM	false
CustomAudit for CUCM	CustomAudit	true

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



ComplianceLogger Adapter

Remove Edit

Reference Name: ComplianceLogger
Component Name: ComplianceLogger
Enabled: false

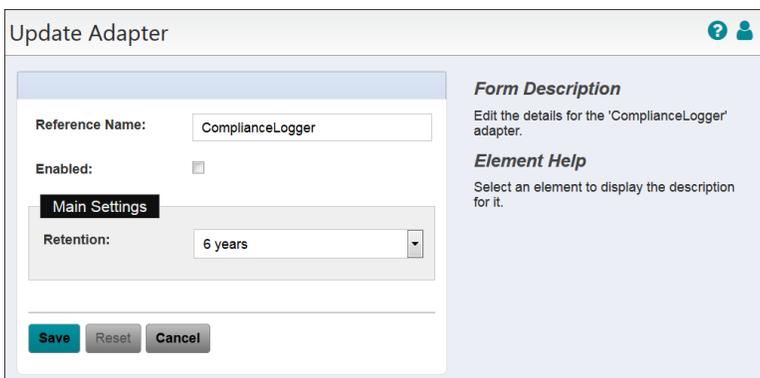
Main Settings Version: 1.1.0.4
Retention: 6 years

Download Event Logs

It Might Help to Know...
 You are currently viewing the primary details for this adapter. You may also choose to edit or remove it from the system by selecting the appropriate action on the page. Areas that are highlighted with a red background indicate that there is missing information.

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.



Update Adapter

Reference Name: ComplianceLogger
Enabled:

Main Settings
Retention: 6 years

Save **Reset** **Cancel**

Form Description
 Edit the details for the 'ComplianceLogger' adapter.

Element Help
 Select an element to display the description for it.

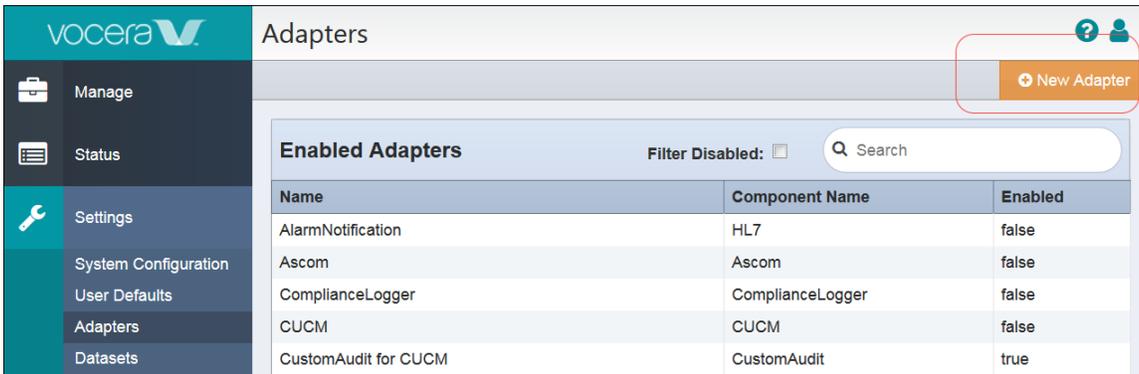
5. Select one of the options to exit the **Update Adapter** page. See [Saving an Adapter](#) on page 26 for details.

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.

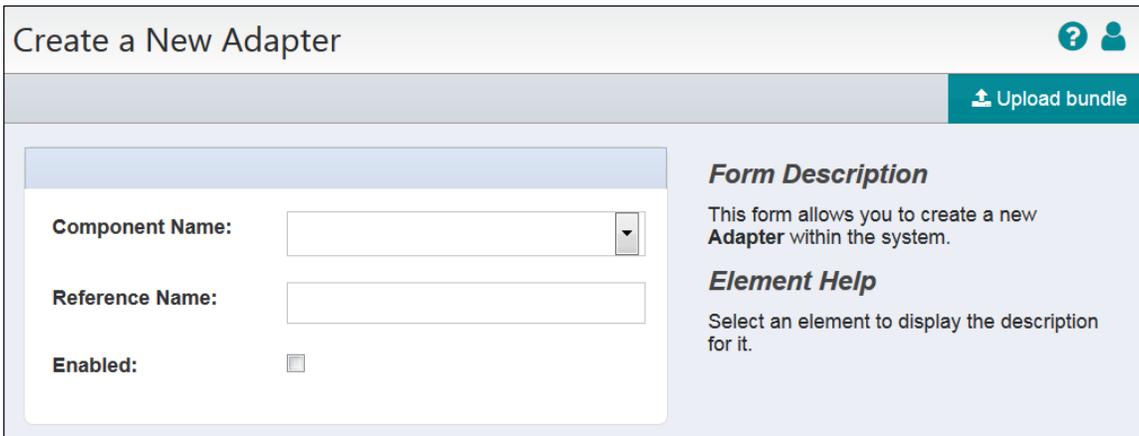
This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.

1. Access the Vocera Platform Web Console and navigate to the adapters.
See [Navigating the Vocera Platform Adapters](#) on page 22 for instructions.
2. Select **New Adapter** in the Action menu on the Adapters page.



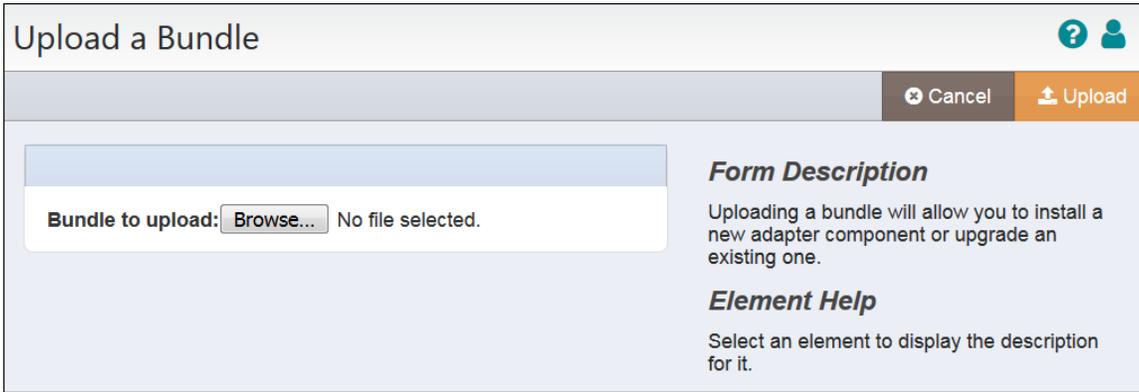
The **Create a New Adapter** dialog displays.

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

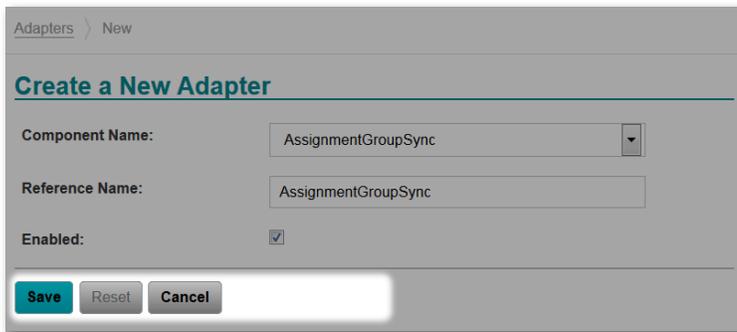
Close an adapter configuration dialog using the Save, Reset, or Cancel options.

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

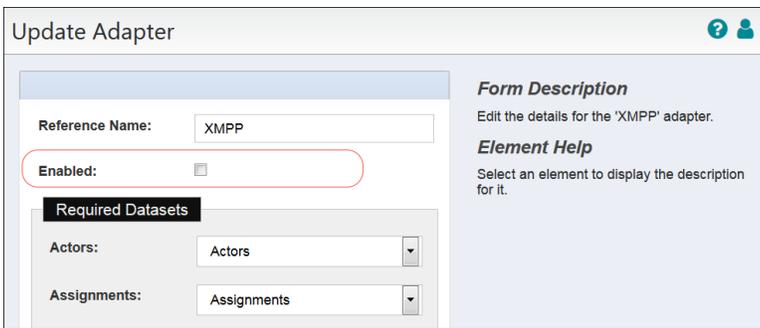
Temporarily deactivate an adapter to avoid unintentional use of it in an implementation.

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 22 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 26 for details.

Removing an Adapter

Permanently remove an adapter from the Vocera system.

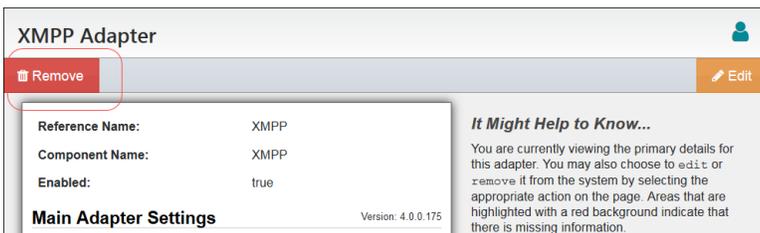
This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.

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.

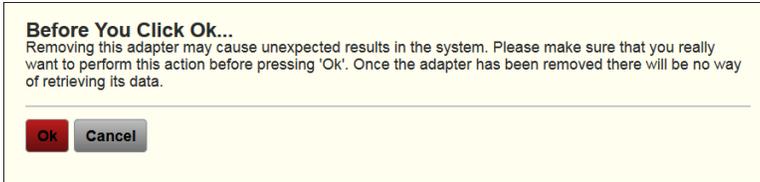


Warning: Remove cannot be undone. If any system features use this adapter, removing the adapter prevents the features from functioning.

1. Access the Vocera Platform Web Console and navigate to the adapter to remove.
See [Navigating the Vocera Platform Adapters](#) on page 22 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.

