

# **Vocera Nihon Kohden Adapter Configuration Guide**

Version 1.2.0

# Notice

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**Last modified:** 2023-02-24 14:09

ADP-nihonkohden-120-Docs build 271

# Contents

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- Understanding a Vocera Nihon Kohden Adapter Configuration.....4
- Viewing the Vocera Nihon Kohden Adapter Requirements.....5
- Configuring a Vocera Nihon Kohden Adapter..... 10
- Viewing the Pager Service URL..... 13
- Configuring the Nihon Kohden Communications Gateway..... 14
- Running the Pager Gateway in Debug Mode..... 15
- Understanding the Vocera Nihon Kohden Adapter Rules..... 16
- Understanding Adapter Installation..... 17
- Recreating a Repository..... 17
- Installing an Adapter..... 18
- Practicing an Adapter Installation..... 18
- Navigating the Vocera Platform Adapters..... 20
- Editing an Adapter..... 22
- Creating a New Adapter..... 23
- Saving an Adapter..... 24
- Deactivating an Adapter..... 24
- Removing an Adapter..... 25

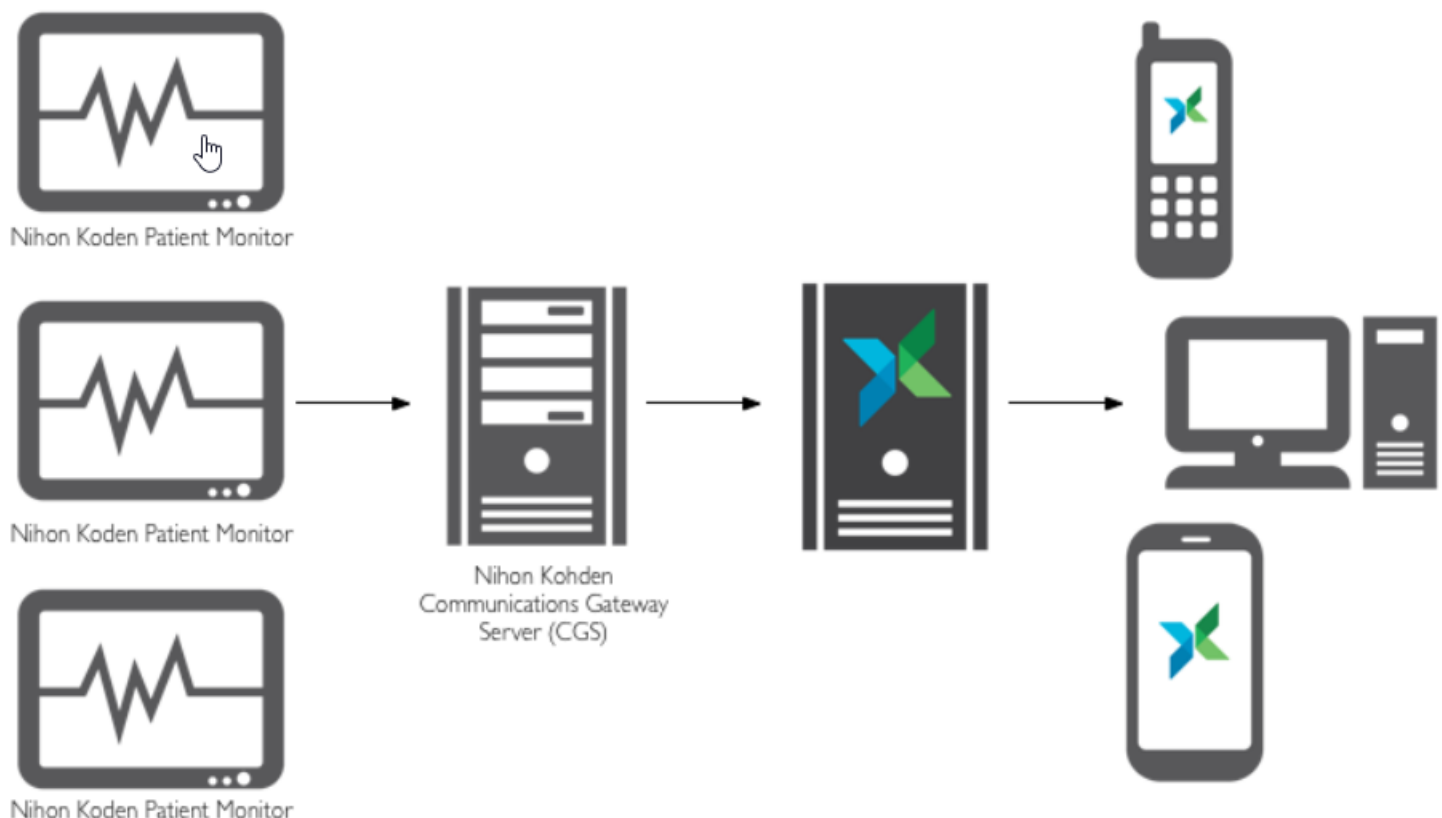
## Understanding a Vocera Nihon Kohden Adapter Configuration

Configure a Vocera Nihon Kohden Adapter in the Vocera Platform Web Console to allow communication between the external system and the 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, a Vocera Nihon Kohden Adapter can be configured to connect to a Nihon Kohden gateway. The Vocera Nihon Kohden Adapter integrates alarm details from Nihon Kohden patient monitors with additional information provided by the facility to deliver a more complete context to caregiver devices responding to patient alerts. The Vocera Platform supports multiple instances of the Vocera Nihon Kohden Adapter, each with a unique service URL to connect to a specific Nihon Kohden Communication Gateway Server (CGS).

In the figure below, installers can see how information and data is communicated between the systems, using a single gateway.



## Viewing the Vocera Nihon Kohden Adapter Requirements

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

### System

This Vocera Nihon Kohden Adapter depends on Vocera Platform 6.0.0 and greater.

Vocera Platform supports the following Nihon Kohden components:

- Nihon Kohden Communications Gateway Server (CGS-9001)
- Gateway Server Pager Service (GSPagerService) Message Schema

### 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 **BEDS Dataset** all Beds
- The **CLINICALS Dataset** dataset to hold Clinical Alerts.
- The **FACILITIES Dataset** holds information on the facility.
- The **ROOMS Dataset** all Rooms
- The **UNITS Dataset** units

#### 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
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 CLINICALS Dataset, and the link order is 1:n (one bed associated to many clinicals)

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

## CLINICALS 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 used as a key for handling Clinicals reset.
Attribute	alert_type	N/A	False	N/A	True	String	Attribute that stores alert type
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 that alarm was generated by the sending system this is not the time that Extension created the alert.
Attribute	priority	N/A	False	N/A	False	String	Attribute that stores the priority description for the alarm

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
Link	bed	clinicals	False	False	N/A	Many-to-one	The CLINICALS Dataset is linked to the BEDS Dataset, and the link order is n:1 (many clinicals associated to one bed)

### 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)

### 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

Element	Name	Reverse Name	Key	Reverse Key	Required	Type	Description
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)

### 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)
Link	beds	unit	False	False	N/A	One-to-many	The UNITS Dataset is linked to the BEDS Dataset, and the link order is 1:n (one unit associated to many beds)

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 Nihon Kohden Adapter

This document describes the steps required to create a Vocera Nihon Kohden Adapter within the Vocera Platform.

Select an empty field and begin typing, or select an existing value and type over it. To keep existing values, 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 20 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 23 and [Editing an Adapter](#) on page 22 for instruction as needed.
- The configuration fields are the same for new and existing adapters.

Component Name:

NihonKohden

Reference Name:

Enabled:

☐

Required Datasets

Beds:

Beds

Clinicals:

Clinicals

Facilities:

Facilities

Rooms:

Rooms

Units:

Units

- 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	<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>

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

General Settings

Facility:

Message Timeout:

Alert Type Priority:

General Settings Configuration Field	Description
Facility	Enter the name of the facility from which pager notification requests are received. This field is required.
Message Timeout	Enter the maximum amount of time in minutes that will be allowed to pass between messages received from the Nihon Kohden pager gateway before an audit event will be generated. This field is required.

General Settings Configuration Field	Description
Alert Type Priority	<p>When more than one clinical event is received within a single message from Nihon Kohden, clinical events with the same Unit and Room/Bed will be evaluated to identify the event whose alert type is of the highest priority. The highest priority clinical event received within a single message for a given Unit and Room/Bed will be compared to recently received events having the same Unit and Room/Bed to determine if the new event is of the highest priority.</p> <p>When a newly received clinical event is currently the highest priority alert for a given Unit and Room/Bed, then the activity state of the alert shall be stored as ACTIVE. If a newly received clinical event is not currently the highest priority alert for a given Unit and Room/Bed, then the activity state of the alert shall be stored as SUPPRESSED.</p> <p>Enter the list of alarm types, ranked in priority from high to low, captured from the event data of a clinical event.</p>

6. Complete the **Message Types** configuration fields as described in the table.

The Vocera Nihon Kohden Adapter message types include a regular expression (regex) mapping for the event data from the Nihon Kohden clinical event. The regex mapping stores the event data as a clinical alert. See **Understanding Regular Expressions** for an overview explanation and examples of Regex code and mappings.

Define at least one message type. Expand **New Message Type** to define a regular expression.

Click and drag to re-order the message types in the list. The adapter stores the Pager Notification Request for the first message type, in the listed order, where the description matches the defined regular expression.

The screenshot shows the 'Message Types' configuration window. A red box highlights the 'New Message Type' section, which is currently 'Not Active'. Inside this section, there are four fields: 'Reference Name' with the value 'New Message Type', an 'Active' checkbox which is unchecked, a 'Regex' text input field, and a 'Regex Mapping' text area. A mouse cursor is visible near the bottom right of the 'Regex Mapping' field.

Message Type Configuration Field	Description
Reference Name	Enter a descriptive name for the message type. This field is required.
Active	Select the <b>Active</b> checkbox to indicate whether or not the message type is enabled in the Vocera Platform.
Regex	Enter the regular expression to capture values from the description field of a pager notification request received from the Nihon Kohden pager gateway. This field is required. See <b>Understanding Regular Expressions</b> for an overview explanation and examples of Regex code and mappings.

Message Type Configuration Field	Description
Regex Mapping	Enter the capture group mapping from the regular expression to the attribute paths on the Clinicals dataset, one per line. This field is required. Specify the regex mapping from the capture groups of the Regex field above to attribute paths starting from the Clinicals dataset. The paths from bed and room are required to link the alarm event to a patient bed.
Clone Message Type	Select <b>Clone</b> to make a duplicate configuration of the selected message type. The cloned version of the message type will have a unique reference name and will not be active, by default.
Remove Message Type	Select <b>Remove</b> to remove the Message Type from the configuration information.

7. Select one of the available options to exit the adapter configuration page. See [Saving an Adapter](#) on page 24 for details.

## Viewing the Pager Service URL

Once the configuration is saved, a **Pager Service URL** displays in the **General Settings** section of the Vocera Nihon Kohden Adapter configuration details.

This is the URL through which the Nihon Kohden pager gateway communicates with the Vocera Nihon Kohden Adapter. See [Configuring the Nihon Kohden Communications Gateway](#) on page 14 to create the URL.

Note that the Pager Service URL does not display in Edit mode in the adapter configuration, as it is configured in the Windows registry.

If an error message displays, navigate to **System > Services** and start the Vocera Nihon Kohden Adapter on the appliance.

The screenshot shows the configuration details for the NihonKohden Adapter. The breadcrumb navigation at the top indicates the path: Adapters > NihonKohden > Details. The adapter name 'NihonKohden Adapter' is displayed with 'Edit' and 'Remove' links. Below this, the 'Reference Name' and 'Component Name' are both 'NihonKohden', and 'Enabled' is set to 'true'. The 'General Settings' section, with a version of 1.0.3.0, includes the following fields:

- Pager Service URL:** http://[redacted]/osgi/NihonKohden/processPagerNotification?ID=56
- Facility:** General Hospital
- Message Timeout:** 60
- Alert Type Priority:** ["Brady C","SpO2","ST ECG1","Leads Off"]

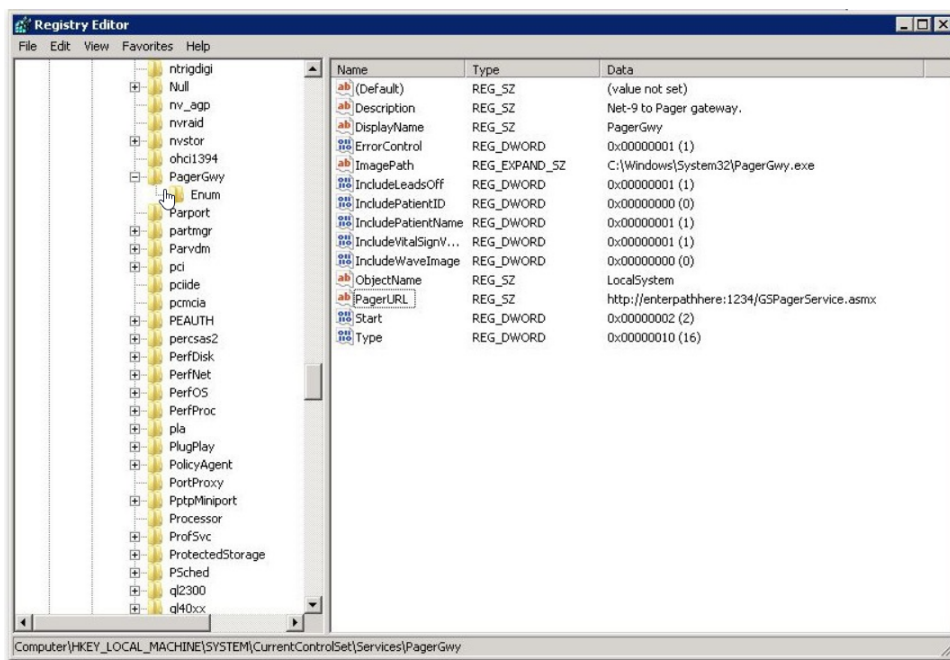
# Configuring the Nihon Kohden Communications Gateway

The Nihon Kohden Communication Gateway Server (CGS) runs as a Windows Service and is configured by editing the Windows Registry.

Configure the PagerURL to be the value displayed as the **Pager Service URL** for the adapter after it is created. See [Viewing the Pager Service URL](#) on page 13 to view this configuration as displayed in the adapter.

Enter the URL into the registry exactly as it is displayed within the Vocera appliance, including the interface ID query parameter.

1. Edit the Vocera Platform registry.
  - a. Launch **Regedit**.
  - b. Search for, or navigate to **HKEY\_LOCAL\_MACHINE\SYSTEM >CurrentControlSet >Services >PagerGwy**.



## 2. Configure the **Registry Keys**

Configure registry keys to provide the desired patient content, such as the following example.

- Patient ID
- Patient Name
- Vital Sign Value

- Wave Image
- Leads Off

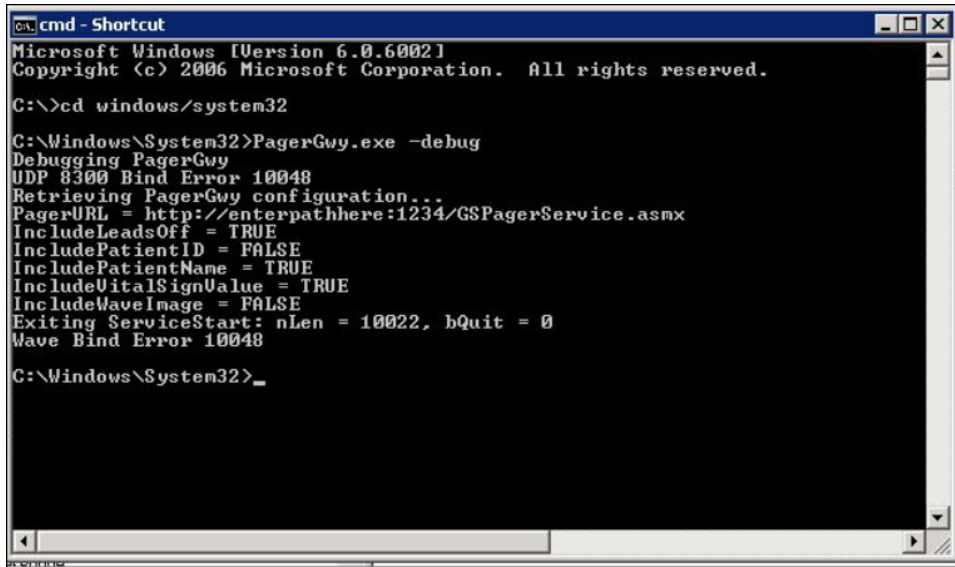
Registry Key Name	Type	Default Value (if key does nto exist)
IncludePatientID	DWORD	0 (FALSE)
IncludePatientName	DWORD	1 (TRUE)
IncludeVitalSignValue	DWORD	1 (TRUE)
IncludeWaveImage	DWORD	1 (TRUE)
IncludeLeadsOff	DWORD	1 (TRUE)

## Running the Pager Gateway in Debug Mode

This page describes how to debug the Nihon Kohden Communication Gateway Server (CGS).

The Pager Gateway executable will start automatically upon reboot.

1. Stop the service manually before running the debug executable.
  - a. Navigate to **Control Panel > Services > PagerGwy.exe**.
  - b. Stop the Pager Gateway service (**PagerGwy.exe**).
2. View the Pager Gateway content in debug mode.
  - a. Open a Windows Command prompt.
  - b. Enter **cd windows/system32** to change directories.
  - c. Enter **c:\Windows\System32\PagerGwy.exe -debug**.



```

cmd - Shortcut
Microsoft Windows [Version 6.0.6002]
Copyright (c) 2006 Microsoft Corporation. All rights reserved.

C:\>cd windows/system32

C:\Windows\System32>PagerGwy.exe -debug
Debugging PagerGwy
UDP 8300 Bind Error 10048
Retrieving PagerGwy configuration...
PagerURL = http://enterpathhere:1234/GSPagerService.asmx
IncludeLeadsOff = TRUE
IncludePatientID = FALSE
IncludePatientName = TRUE
IncludeVitalSignValue = TRUE
IncludeWaveImage = FALSE
Exiting ServiceStart: nLen = 10022, bQuit = 0
Wave Bind Error 10048

C:\Windows\System32>_
  
```

## Understanding the Vocera Nihon Kohden Adapter Rules

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This adapter does not require dataset rule configuration

## Understanding Adapter Installation

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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](#).

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### 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-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                               Size
Version                               Repository                         Size
=====
Installing:
extension-navicare-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-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!

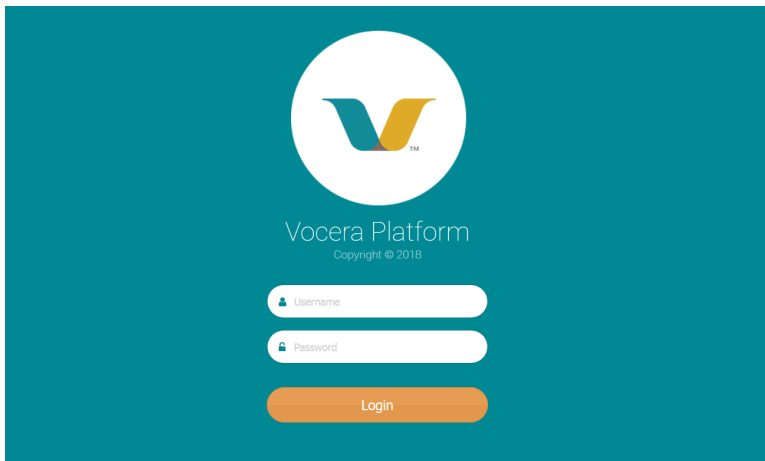
5. This completes the steps to install an adapter.

## Navigating the Vocera Platform Adapters

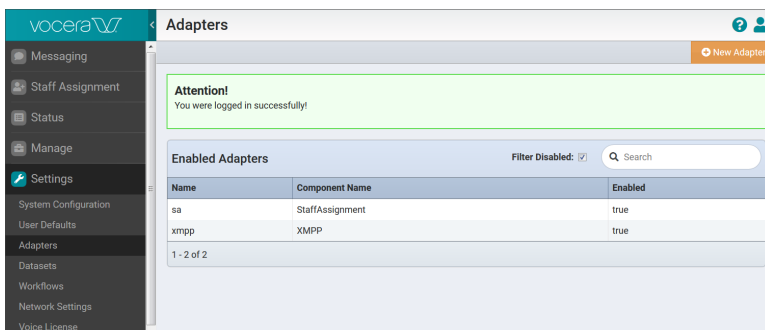
Access the Adapters tab and use the filter or search tools to display a specific adapter.

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.



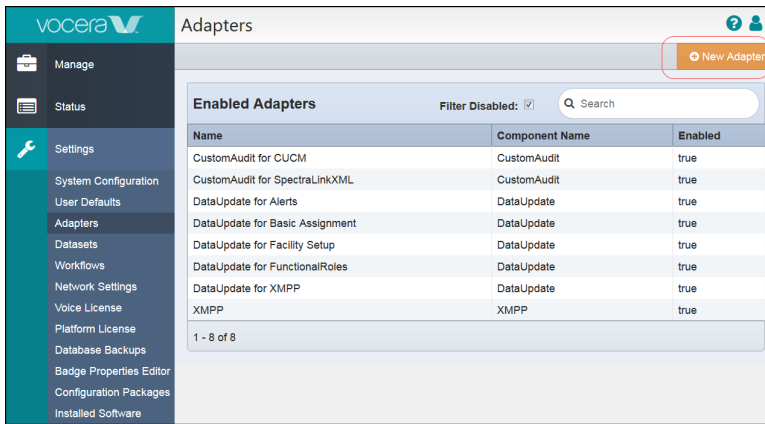
The **Adapters** page displays.

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.

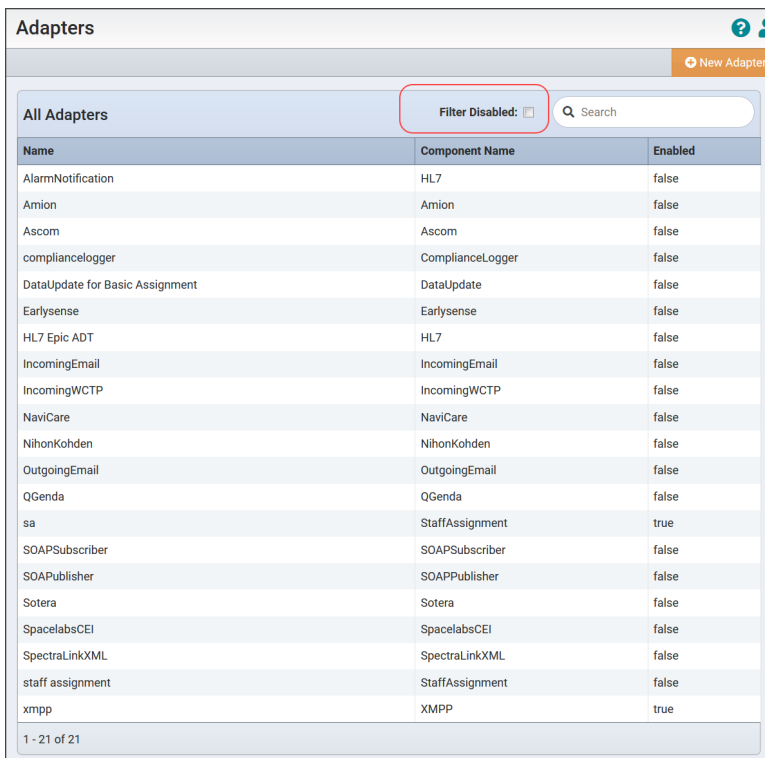
On the **Adapters** page you can identify adapters by their name or component name. The Enabled column (displaying a true or false status) indicates whether the adapter is active on the system, or disabled.

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

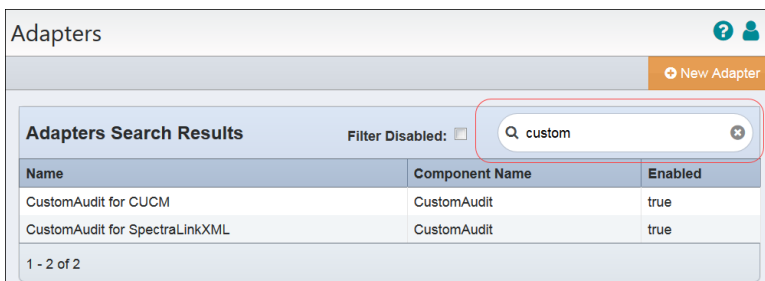
The Filter Disabled box is checked by default, and displays only the enabled adapters that are configured on the Vocera Platform.



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.

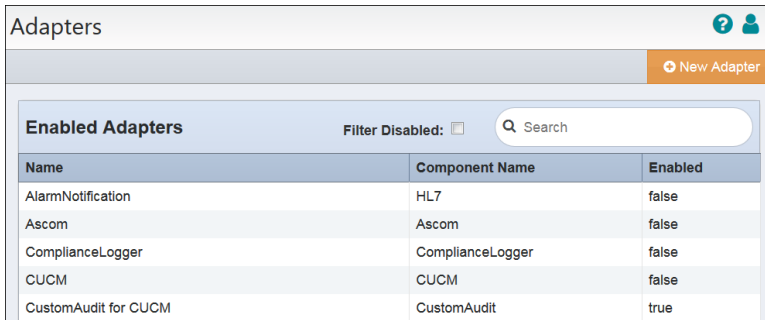


## Editing an Adapter

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

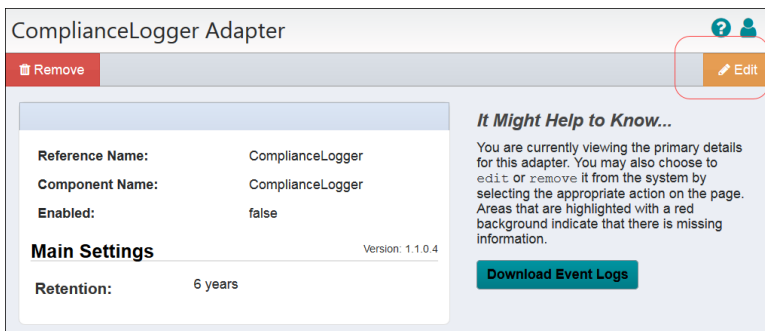
This page is used by all the adapter guides, and therefore, the adapter used as an example here may not be the adapter that you are working with currently.

1. Access the Vocera Platform Web Console and navigate to the adapters.  
See [Navigating the Vocera Platform Adapters](#) on page 20 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

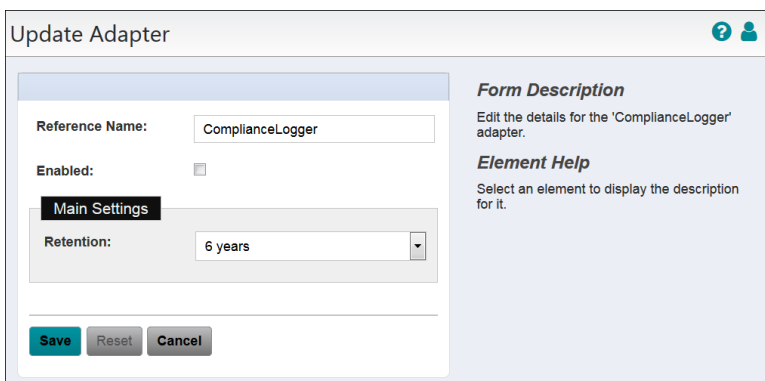
**Main Settings** Version: 1.1.0.4  
**Retention:** 6 years

**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.

[Download Event Logs](#)

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

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

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

[Save](#) [Reset](#) [Cancel](#)

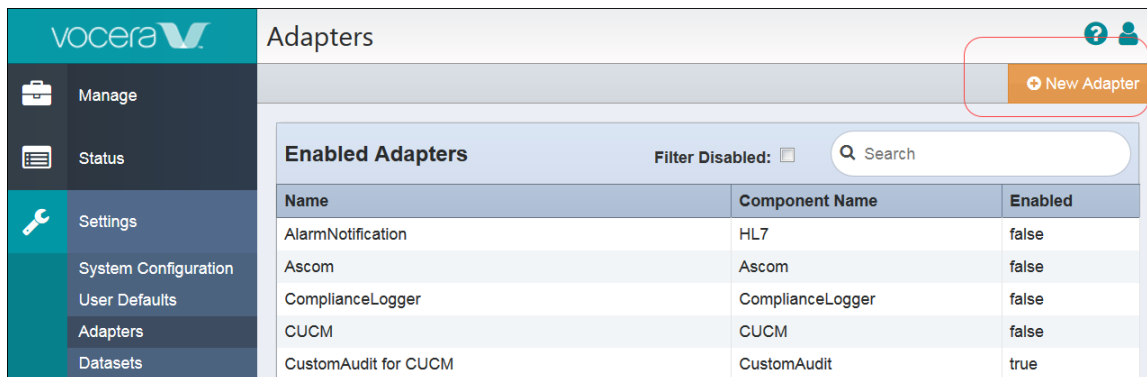
5. Select one of the options to exit the **Update Adapter** page. See [Saving an Adapter](#) on page 24 for details.

## 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 20 for instructions.
2. Select **New Adapter** in the Action menu on the Adapters page.

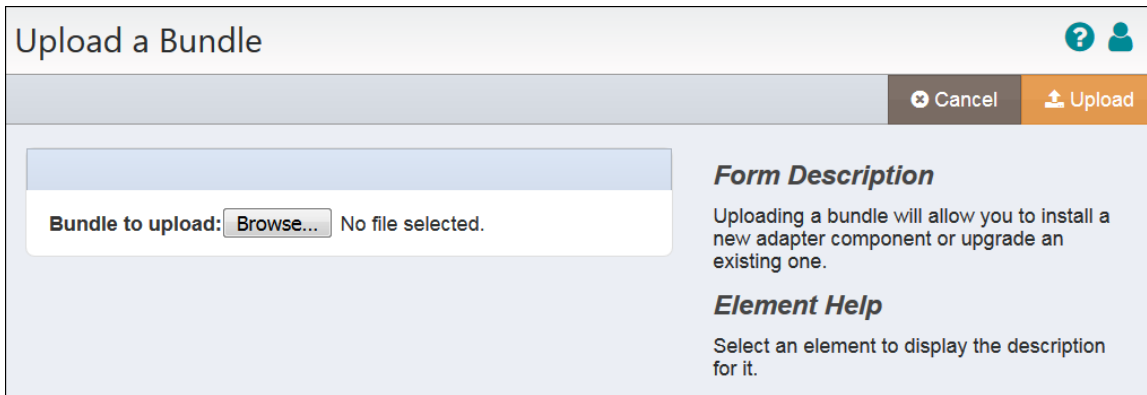


The **Create a New Adapter** dialog displays.

3. Complete the configuration fields.

Name	Description
<b>Component Name *</b>	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.
<b>Reference Name</b>	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.
<b>Enabled</b>	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

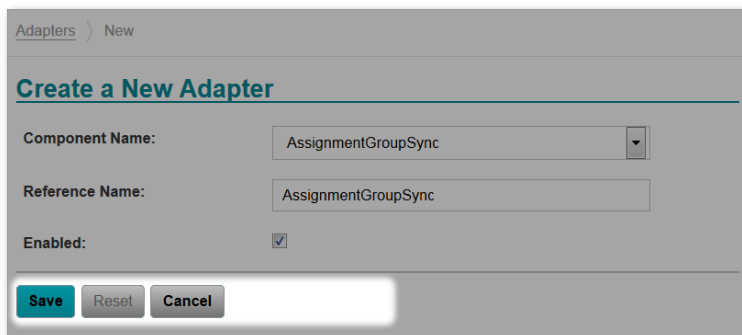
Close an adapter configuration dialog using the Save, Reset, or Cancel options.

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
<b>Save</b>	Select Save to store the adapter configuration in the system, when the fields are set to desired specifications.
<b>Cancel</b>	Select Cancel to close the configuration window without saving your changes to the system.
<b>Reset</b>	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 20 for instructions.
2. Select **Edit** in the Actions menu to access the Update page for the adapter.

**XMPP Adapter**

[Remove](#) [Edit](#)

Reference Name:	XMPP
Component Name:	XMPP
Enabled:	true

**Main Adapter Settings** Version: 4.0.0.175

**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.

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.

**Update Adapter**

[?](#) [User](#)

**Form Description**  
Edit the details for the 'XMPP' adapter.

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

Reference Name:

Enabled: ☐

**Required Datasets**

Actors:

Assignments:

4. Select one of the options to exit the **Update Adapter** page. See [Saving an Adapter](#) on page 24 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 20 for instructions.
2. Select **Remove** in the Actions menu to permanently delete the adapter.

**XMPP Adapter**

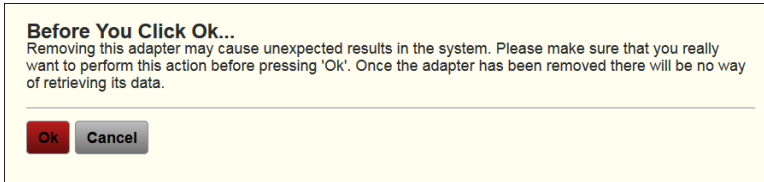
[Remove](#) [Edit](#)

Reference Name:	XMPP
Component Name:	XMPP
Enabled:	true

**Main Adapter Settings** Version: 4.0.0.175

**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.

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.

