

## 1. Introduction

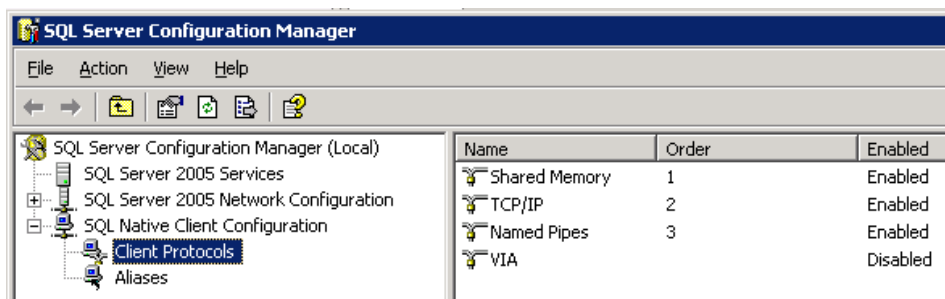
This guide outlines the steps for installing and configuring a basic installation of VMware vCenter Chargeback 1.0.1. It is intended to serve as an example for a proof-of-concept. Examples are used illustratively and do not necessarily reflect best practices. This guide is not meant to be a comprehensive reference installation that takes into consideration customer-specific requirements with respect to best practices.

## 2. Database Server Setup

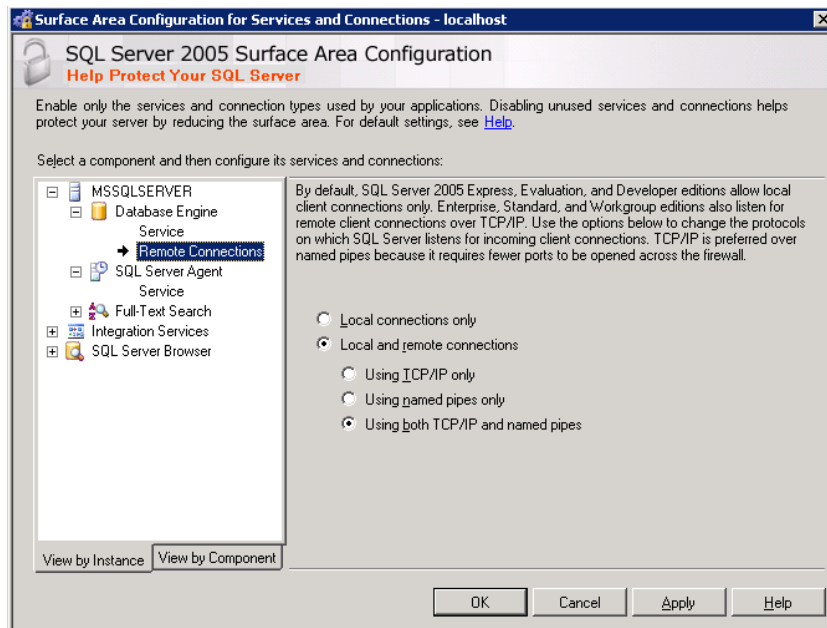
The following screenshots are taken from Microsoft SQL Server 2005. SQL 2008 and Oracle 10g and 11g are also supported and the same basic setup instructions apply. If you have any doubt about your database configuration knowledge, please consult a DBA.

### 2.1 Preparing Database Protocols

1. Launch the SQL Server Configuration Manager (or equivalent)
2. Ensure both named pipes and TCP/IP are enabled, and that TCP/IP is higher in the stack than Named Pipes

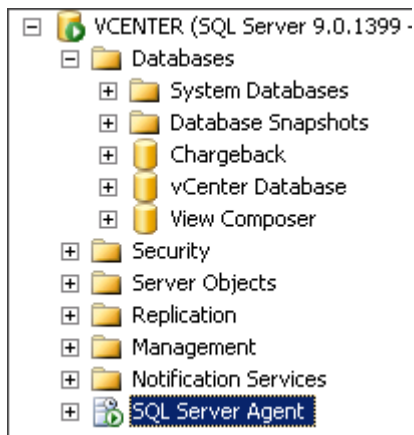


3. Launch the SQL Server Surface Area Configuration (or equivalent), and ensure Remote Connections are configured to use both TCP/IP and Named Pipes



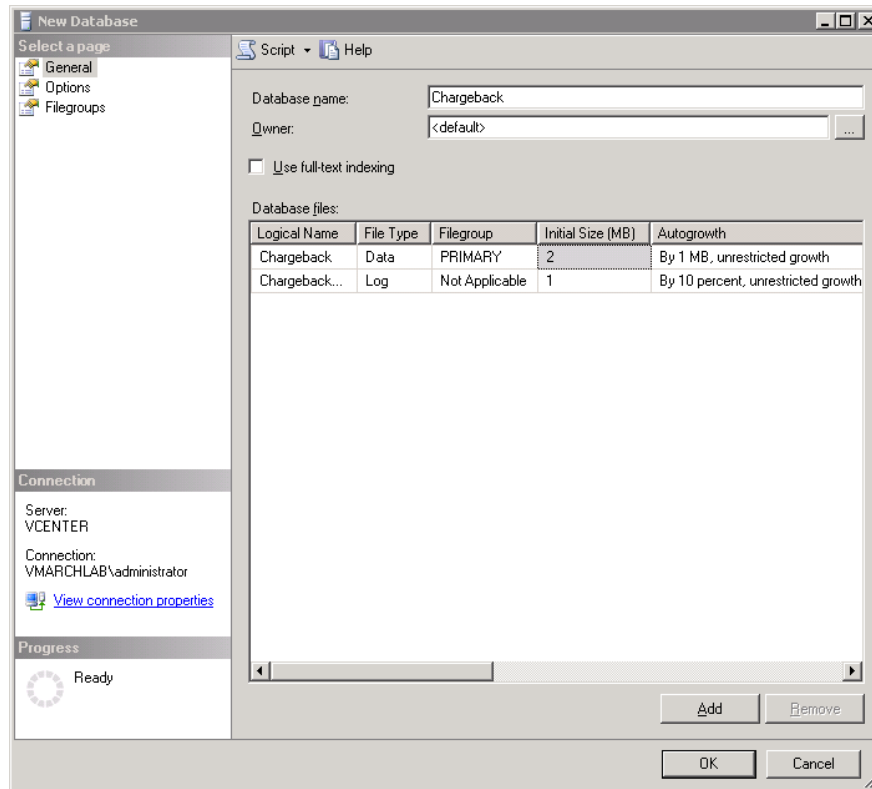
## 2.2 Ensure the SQL Server Agent is running

1. Using the SQL Server Configuration Manager (or equivalent), ensure the SQL Server Agent service is running. (NOTE: You can also use Windows Services interface on the SQL server to ensure the SQL Server Agent service is running)



## 2.3 Create the Chargeback Database

1. Using SQL Server Management Studio (or equivalent), create a database for Chargeback



- Note: If using Windows Authentication and running in Active Directory, no further configuration is necessary.
- If using SQL Authentication, you must create a database user. That user must have permissions to create and delete schema, as well as read from and write to the database

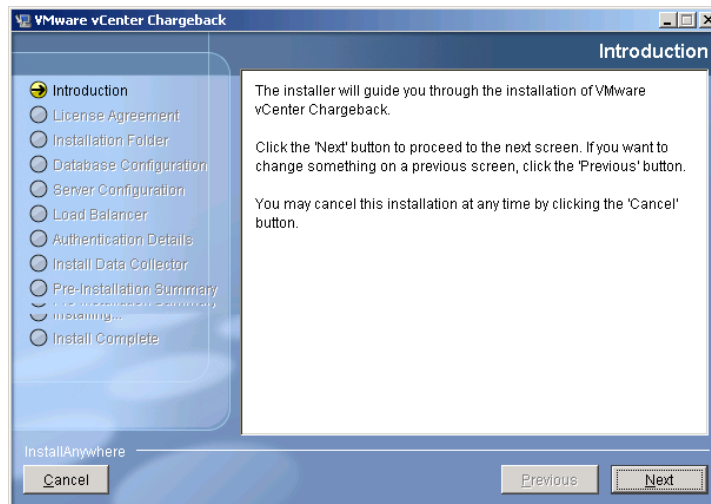
### 3. vCenter Chargeback Installation

Refer to the *vCenter Chargeback User's Guide* for instructions on how to install and configure the *vCenter Chargeback Virtual Appliance* if a quick demonstration or evaluation is sufficient.

#### 3.1 Installing vCenter Chargeback

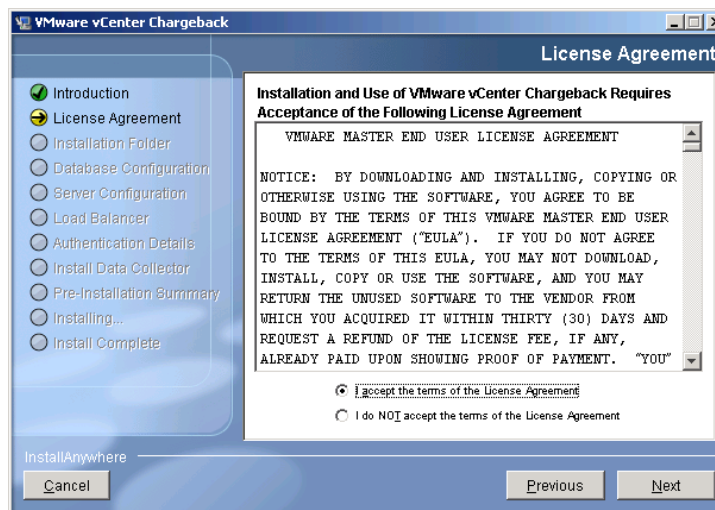
- Launch the vCenter Chargeback installer

2. The Introduction screen appears



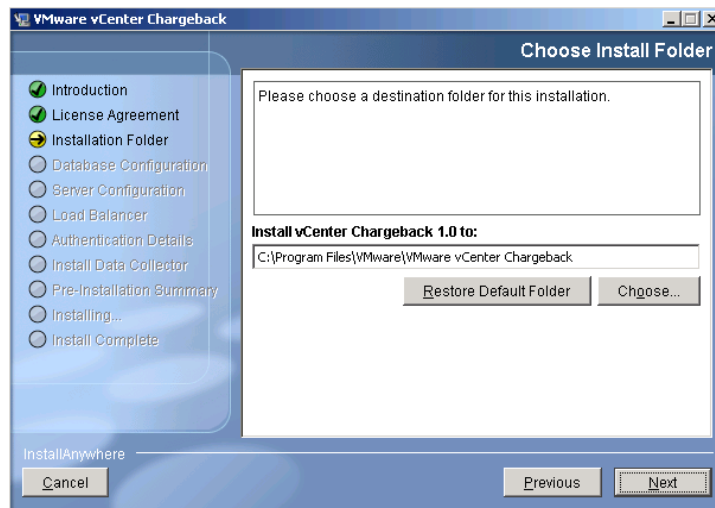
Click **Next**

3. Accept the terms of the license agreement



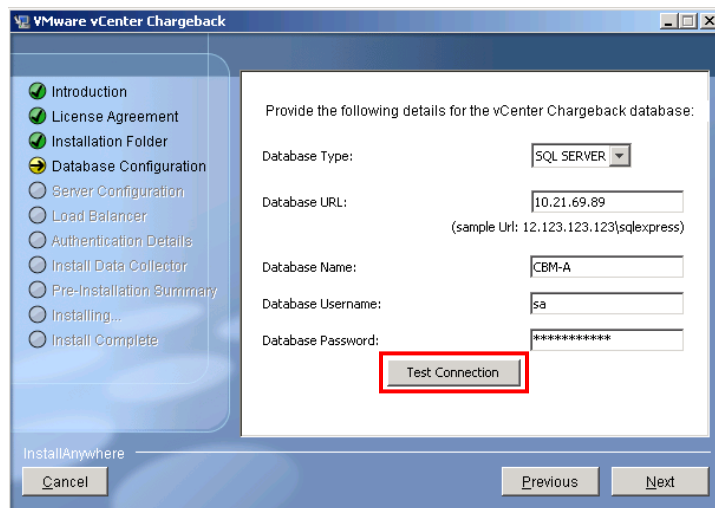
Click **Next**

- Accept the default installation folder, or click **Choose** to select a custom one



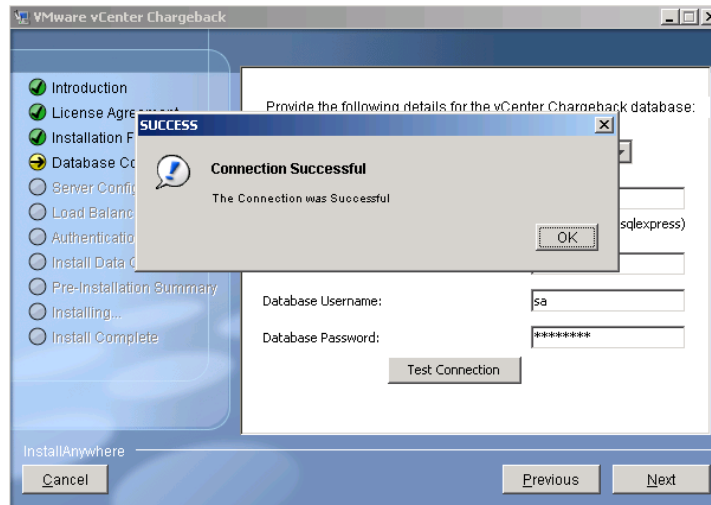
Click **Next**

- Enter the database configuration details:



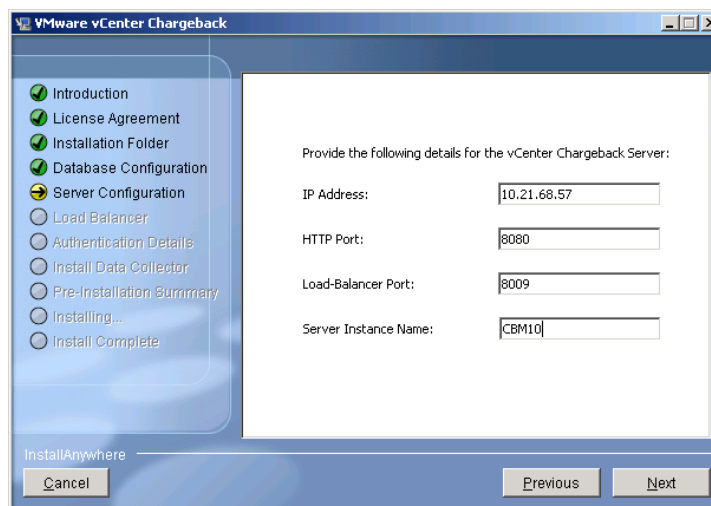
Click **Test Connection**

6. Assuming the database configuration details are correct, the “Connection Successful” message will appear



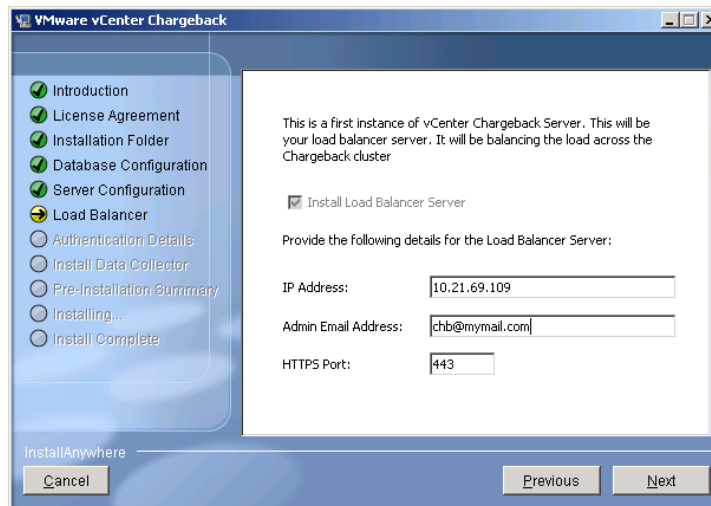
Click **OK**, and then click **Next**

7. Enter the server configuration details



Click **Next**

- Enter the Chargeback load balancer server details



**VMware vCenter Chargeback**

- Introduction
- License Agreement
- Installation Folder
- Database Configuration
- Server Configuration
- Load Balancer**
- Authentication Details
- Install Data Collector
- Pre-Installation Summary
- Installing...
- Install Complete

This is a first instance of vCenter Chargeback Server. This will be your load balancer server. It will be balancing the load across the Chargeback cluster.

☒ Install Load Balancer Server

Provide the following details for the Load Balancer Server:

IP Address:

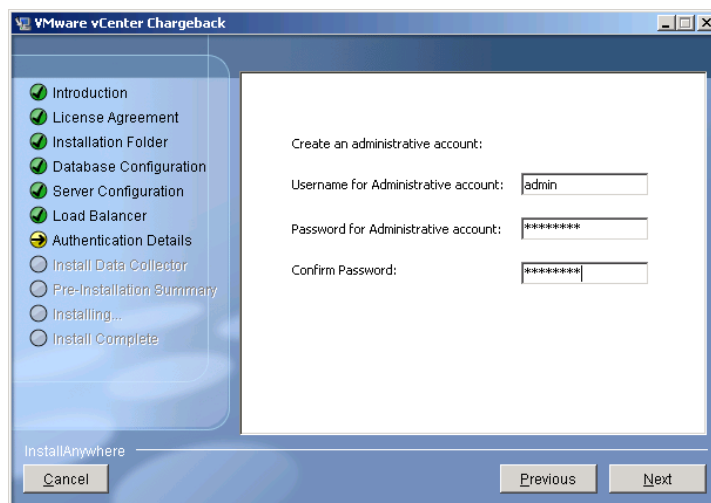
Admin Email Address:

HTTPS Port:

InstallAnywhere

Click **Next**

- Enter the information to create an administrative account in Chargeback



**VMware vCenter Chargeback**

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Create an administrative account:

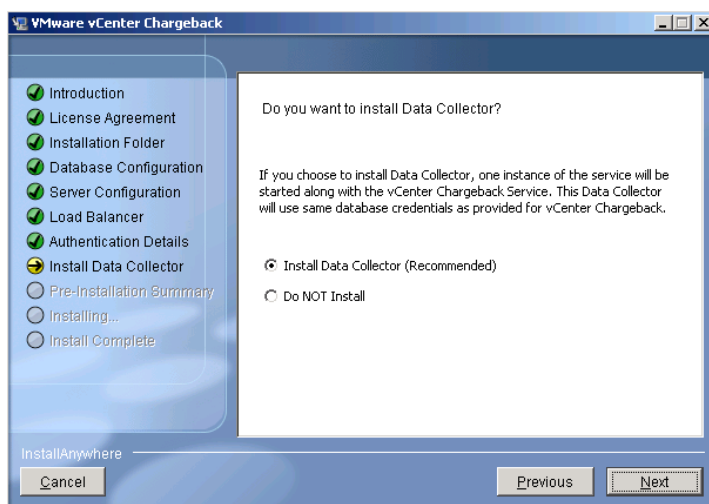
Username for Administrative account:

Password for Administrative account:

Confirm Password:

InstallAnywhere

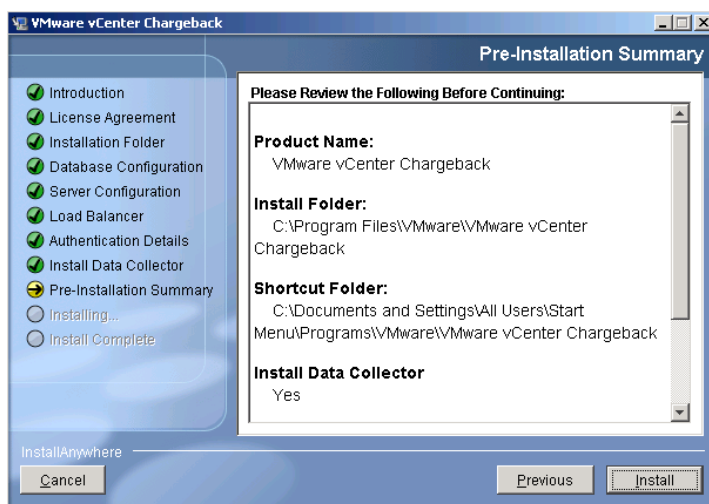
Click **Next**

10. Select **Install Data Collector (Recommended)**

*Refer to the vCenter Chargeback User's Guide for instructions on how to subsequently install additional Data Collectors.*

Click **Next**

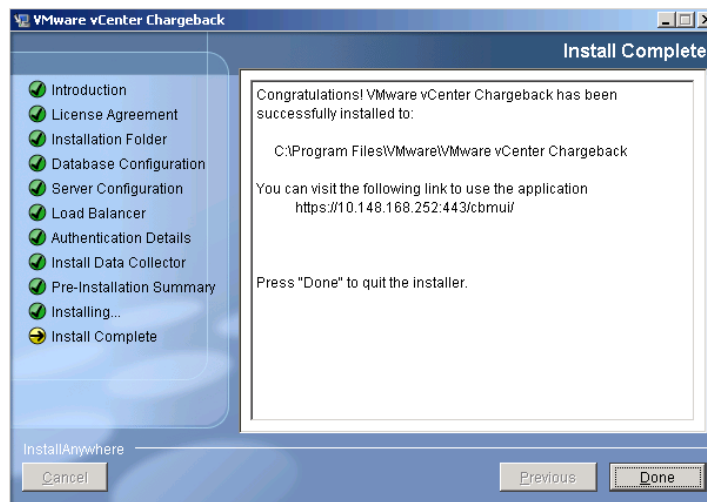
## 11. Review your selections



Click **Install**



12. When the installation completes, the following screen appears

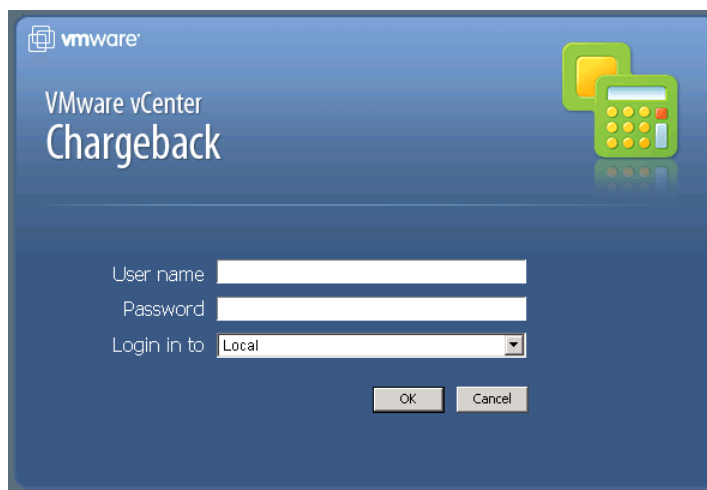


Click **Done**

## 4. vCenter Chargeback Configuration

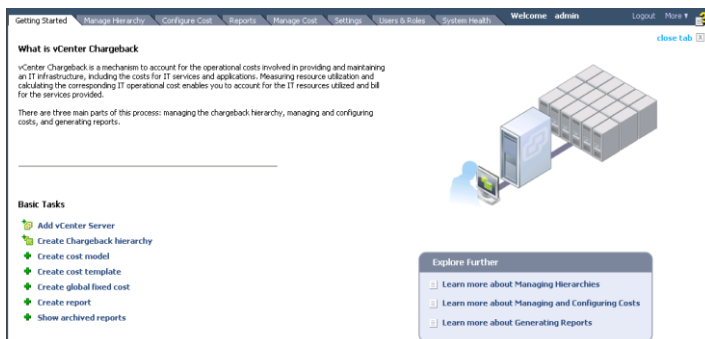
### 4.1 Logging in to the Chargeback Web Interface

1. Open a browser connection to the connection details that were displayed on your screen when you installed vCenter Chargeback 1.0.1, e.g., **`http://<Chargeback_IP>:8080/cbmui/index.htm`**
1. If this is the first time that you have logged into vCenter Chargeback, supply the license key, and then click **Add**
2. Provide the appropriate Chargeback credentials. Use the administrative account created during installation.



Click **OK**

3. The vCenter Chargeback home screen appears

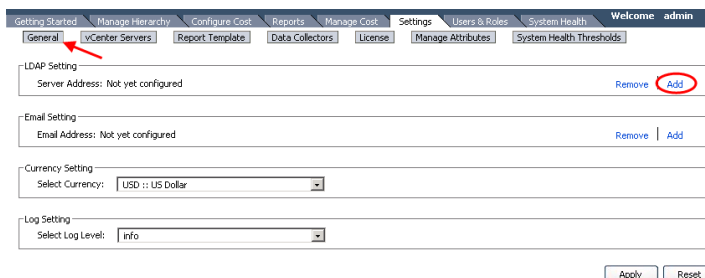


## 4.2 Configuring the LDAP Server Settings

1. From the vCenter Chargeback home screen, select the **Settings** tab



2. Ensure the General button is selected on the top left



In the LDAP Setting box, click **Add**

3. Enter the LDAP server settings

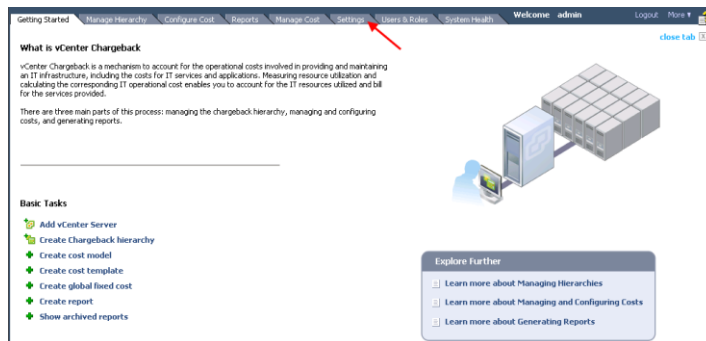
The 'Manage LDAP Server' dialog box contains the following fields:

- Server Address: ad-jb.vi40.vmware.com
- User Name: administrator@vi40.vmware.com
- Password: (masked with dots)
- BaseDN: dc=vi40,dc=vmware,dc=com
- Port: 389
- LDAP Limit: 500
- An 'Add' button at the bottom left.

When finished, click **Add**

## 4.3 Configuring the Email Server Settings

1. From the vCenter Chargeback home screen, select the **Settings** tab



2. Ensure the General button is selected on the top left

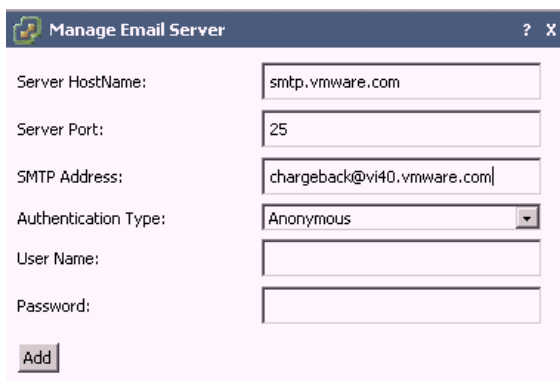
The 'Settings - General' tab is active. It contains the following sections:

- LDAP Setting:** Server Address: Not yet configured. Buttons: Remove, Add.
- Email Setting:** Email Address: Not yet configured. Buttons: Remove, **Add** (circled in red).
- Currency Setting:** Select Currency: USD :: US Dollar.
- Log Setting:** Select Log Level: info.

At the bottom right are 'Apply' and 'Reset' buttons.

In the Email Setting box, click **Add**

3. Enter the email server settings



Manage Email Server

Server HostName: smtp.vmware.com

Server Port: 25

SMTP Address: chargeback@vi40.vmware.com

Authentication Type: Anonymous

User Name:

Password:

Add

When finished, click **Add**

4. **Note:** You will need to fill in the User Name and Password only if the SMTP server requires authentication

**Note :** If you get an error “Connectivity to the SMTP server could not be established”, and are running the McAfee anti-virus, open the McAfee VirusScan console, double-click **Access Protection** and deselect “Prevent mass mailing worms from sending mail”

## 4.4 Configuring the Currency Settings

1. From the vCenter Chargeback home screen, select the **Settings** tab



2. Ensure the General button is selected on the top left

In the Currency Setting box, click the dropdown to select a currency

3. Select the desired currency

Click Apply

## 4.5 Configuring the Log Settings

1. From the vCenter Chargeback home screen, select the **Settings** tab

2. Ensure the General button is selected on the top left

In the Log Setting box, click the dropdown to select a log level

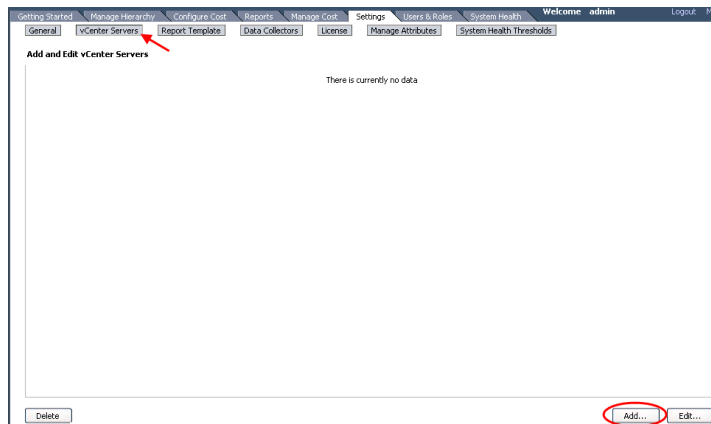
3. Select the desired log level, if not accepting the default value

Click **Apply**

## 4.6 Adding a vCenter Server to Chargeback

1. From the vCenter Chargeback home screen, select the **Settings** tab

2. Ensure the vCenter Servers button is selected on the top left



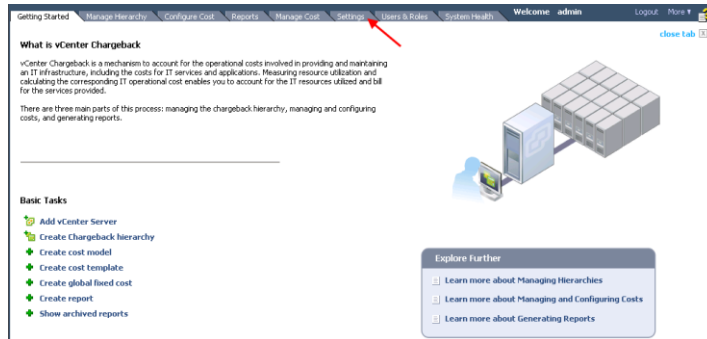
Click **Add**

3. Enter the vCenter Server Information

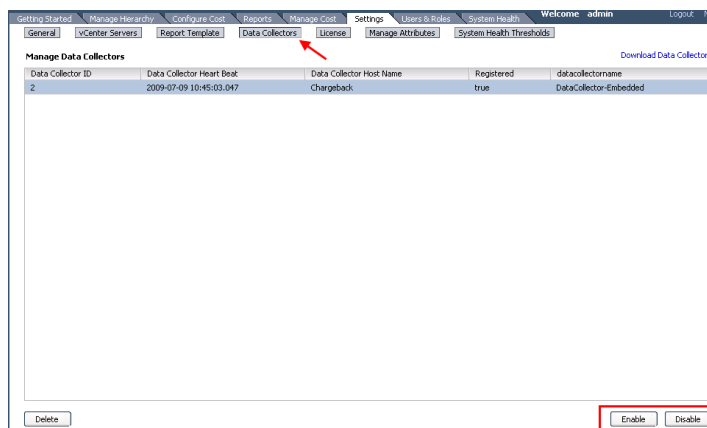
Click **Add**

## 4.7 Viewing Chargeback Data Collectors

1. From the vCenter Chargeback home screen, select the **Settings** tab



2. Ensure the Data Collectors button is selected on the top middle



Click **Enable** or **Disable** as desired