ZenHub

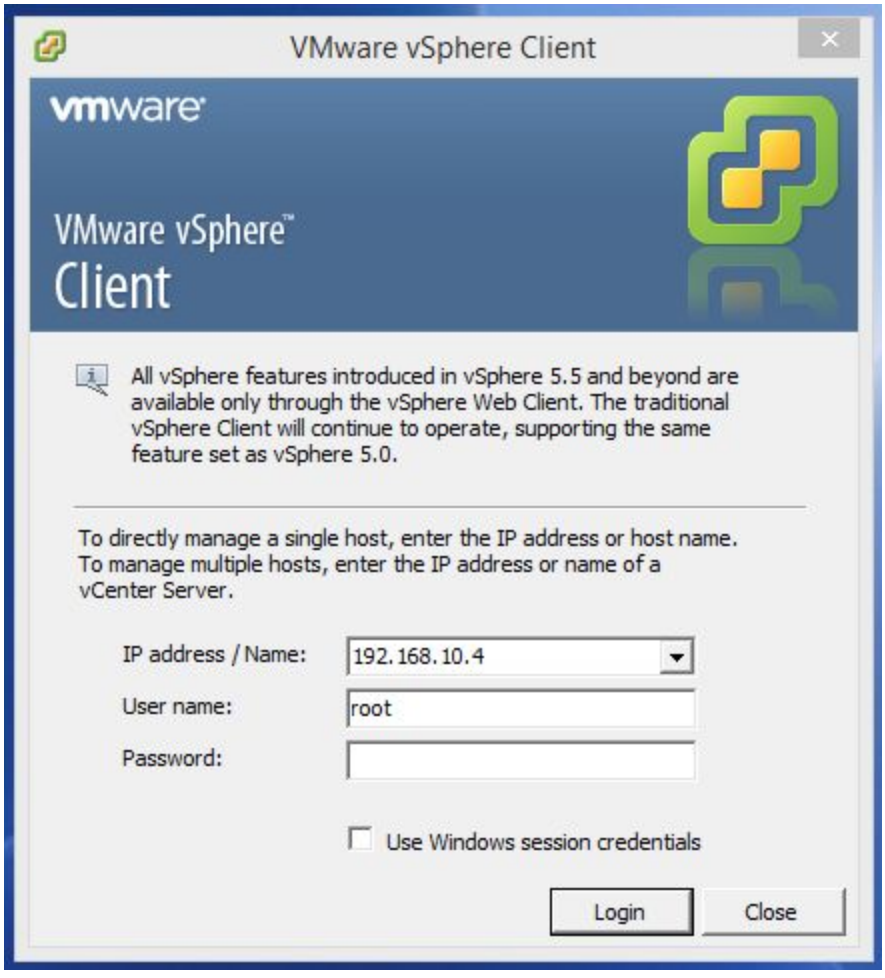
ZenHub Enterprise VMware Installation Guide

Thank you for choosing **ZenHub Enterprise**! You are almost ready to start visualizing your GitHub workflow. This short guide outlines the **VMware installation process.** Do not hesitate to contact the ZenHub team at any time for assistance (enterprise@zenhub.com). You will begin by installing the vSphere Client.

Install the vSphere Client

If you haven't already, download the client from your existing ESXi appliance and install it.

After the installation, launch the client and fill in the required fields (IP Address, username, password) to connect to your ESXi appliance.



Download the ZenHub Enterprise virtual appliance

Find the **ZenHub Enterprise** 2.18 OVA files in the links below.

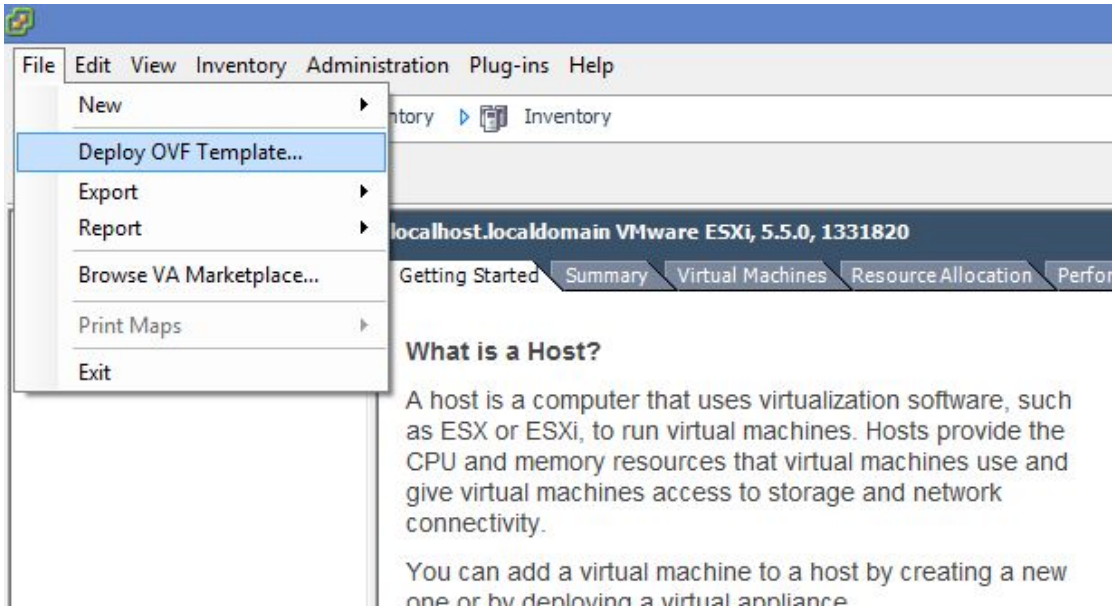
We support hardware versions 8-11. Please see VMware compatibility for your ESXI appliance and download the corresponding version.

Hardware Version	MD5 Hash
8	md5sum
9	md5sum
10	md5sum
11	md5sum

Import the ZenHub Enterprise appliance

After connecting the vSphere client to your ESXi appliance, import the **ZenHub Enterprise** appliance. On the **File** menu, select **Deploy OVF Template**: Follow the Import Wizard instructions.

The default values are our recommendations for **ZenHub Enterprise**. Once imported, ensure the appliance is running before proceeding.



Network Configuration

In the **VSphere Client,** select the **ZenHub Enterprise Appliance** and open up the console tab.

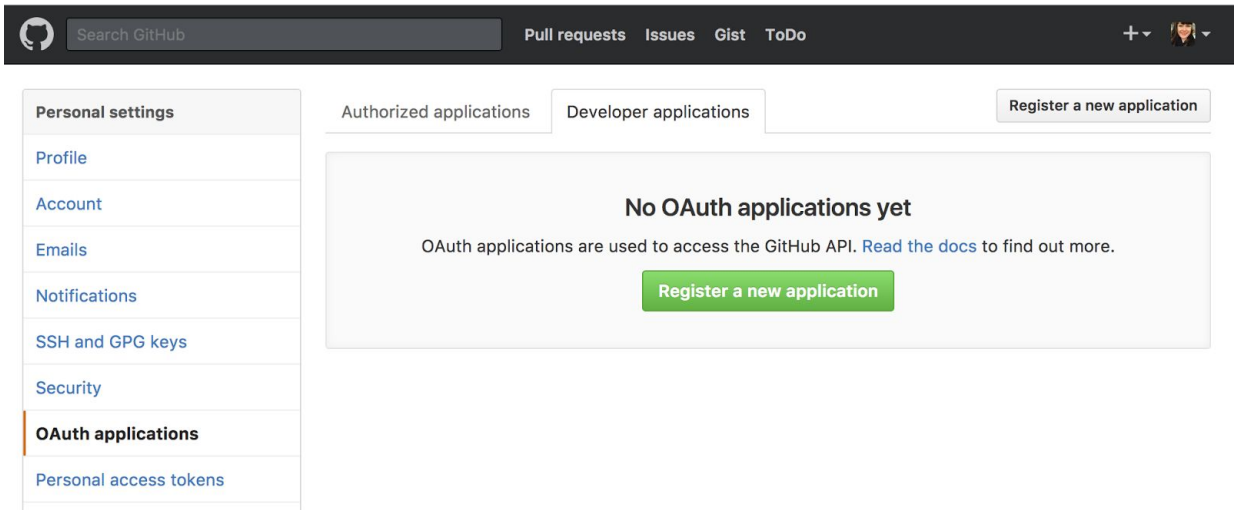
You will be presented with the onsole window below displaying the URL to access the **ZenHub Enterprise Settings** page.

You can also configure a static IP address if needed.

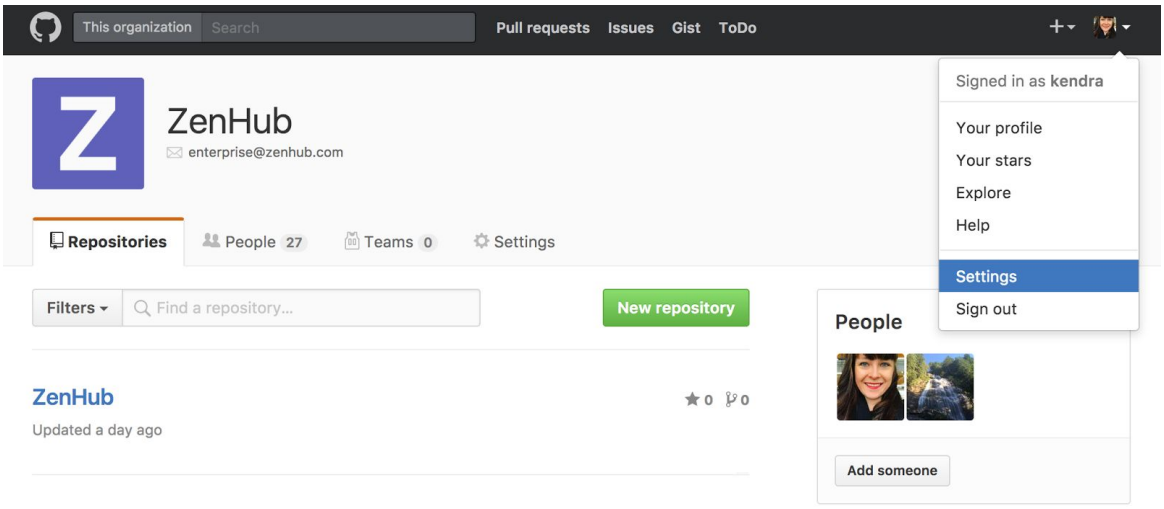
Note: *If you have completed the installation process and decide to edit the IP address here, you must complete Steps 5-10 again. Existing* ***ZenHub Enterprise*** *users will also need to re-install the extension.*

Register ZenHub Enterprise on GitHub Enterprise

ZenHub Enterprise must be registered as an application on **GitHub Enterprise**. To register **ZenHub Enterprise**, log-in to **GitHub Enterprise** as a site administrator ann Navigate to the **Account Settings** page.



On the **Settings** page, select the **OAuth Applications** tab from the sub-navigation bar on your left. Click **Developer Applications**, and finally, select **Register New Application** on the top-right corner.



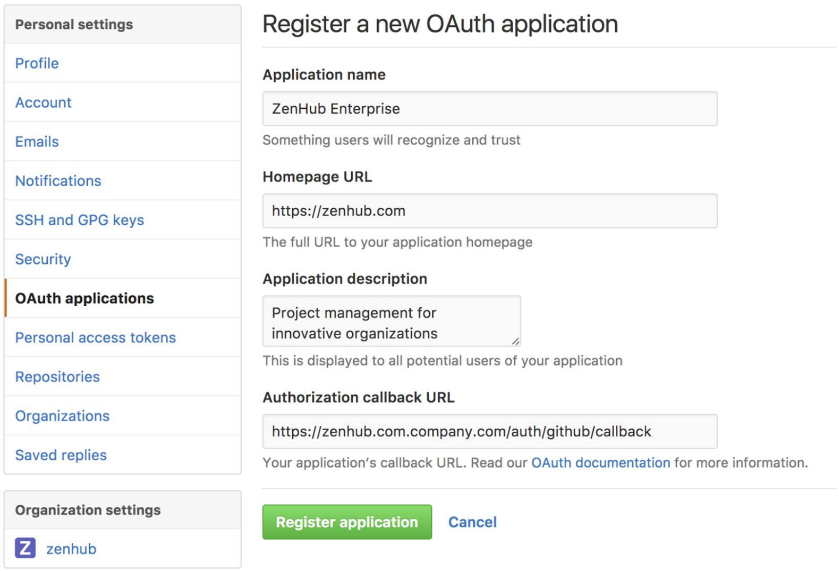
Select **Register a new application** and fill in the registration form with the following information.

- **Application name:** ZenHub Enterprise
- **Homepage URL:** https://zenhub.com
- **Application description:** (optional)
- **Authorization callback URL: https:// + [Your ZenHub Enterprise address] + /auth/github/callback.**

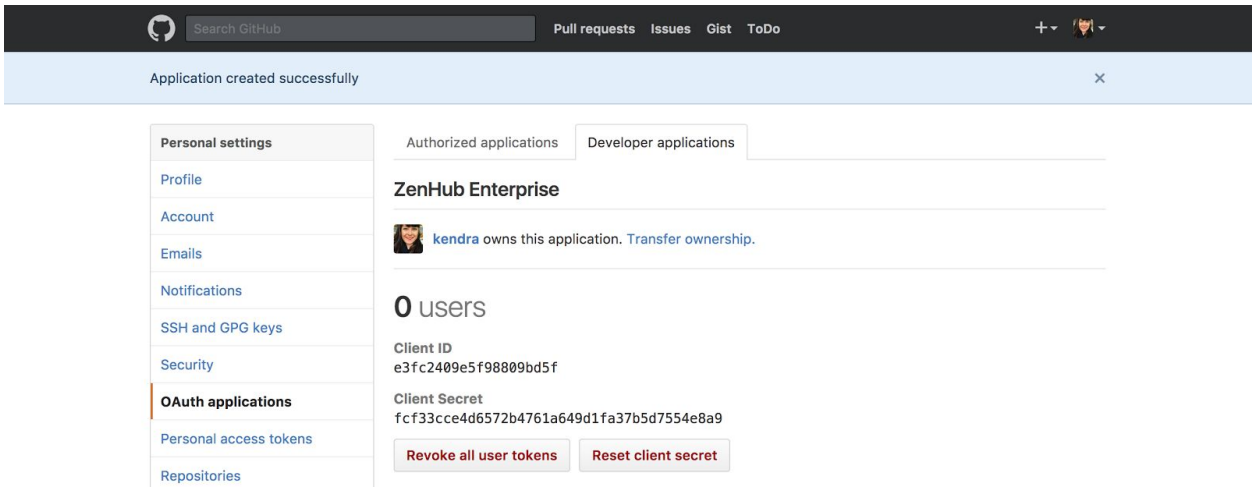
For example, if your **ZenHub Enterprise** IP address is **192.168.10.7**, then the authorization callback URL becomes **https://192.168.10.7/auth/github/callback.**

Note: If you choose to use a domain (Ex. **zenhub.company.com**) instead of an IP address, then the callback URL should be **https://zenhub.company.com/auth/github/callback**.

You must ensure your DNS server points that domain (**zenhub.company.com**) to your ZenHub Enterprise IP address. You can also **upload an image** to make finding your OAuth application easier. You can download the image here.

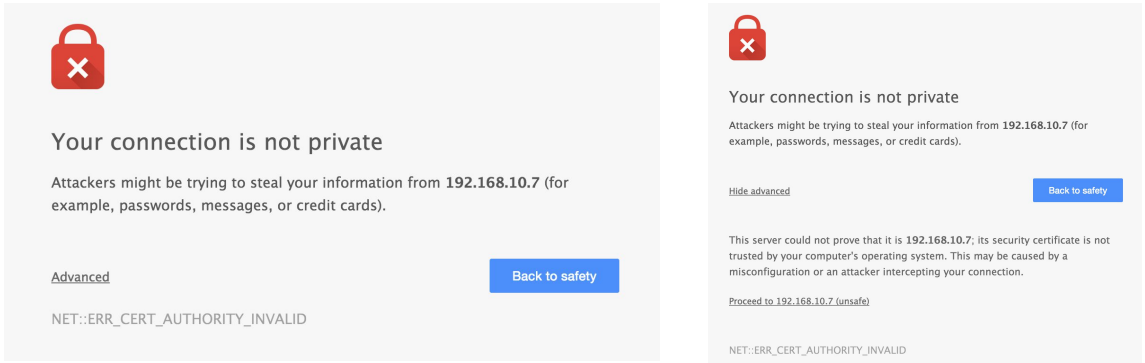


Once you register the application, you will see a page similar to the one below. Take note of the **Client ID** and **Client Secret** as you will need them later.



Configure Your ZenHub Enterprise Instance

Access the ZenHub Enterprise **Settings** page via the URL provided in Step 4. You will see the following image:

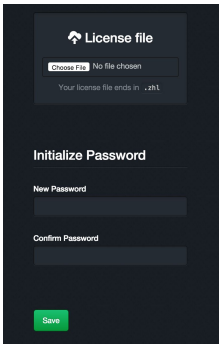


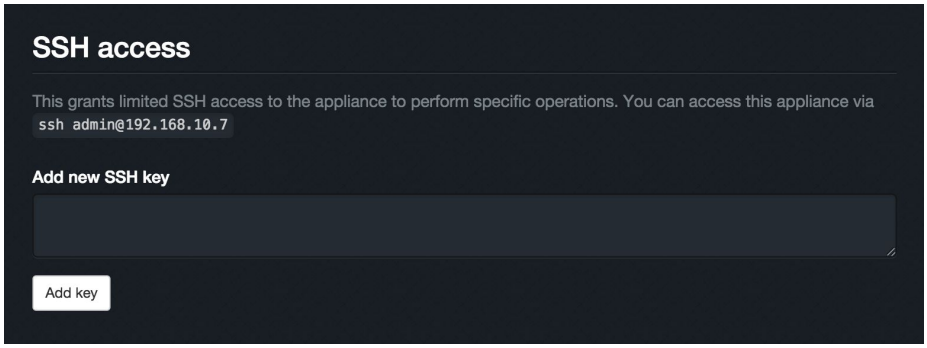
This warning is displayed because a self-signed certificate is being used in order to establish a SSL connection. Once SSL settings are configured, this warning will no longer appear. For now, click on **Advanced**, and then click on **Proceed to appliance_ip_address (unsafe).**

You will be redirected to the ZenHub Enterprise **License** page. Here, you will be prompted to upload a valid license file (**.zhl**) and initialize a password for the Settings page. Click **Save** to proceed.

***Note**:* The password will be required for login when accessing the **Settings** page, **Change Password** page, and **User Report** page. You can share the **Extension Download** page with your team, as it does **not** require authentication.

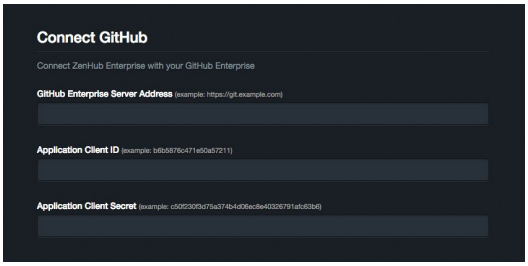
***Optional:** In the **SSH access** section, add your ssh key to the textbox and click **Add key**. Adding the ssh here will allow you to ssh into the ZenHub Enterprise Appliance. This is useful if you forget your Settings page password.*

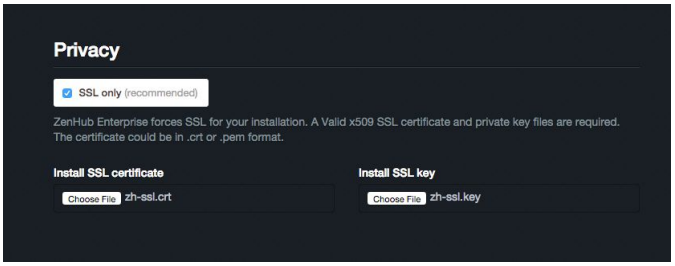




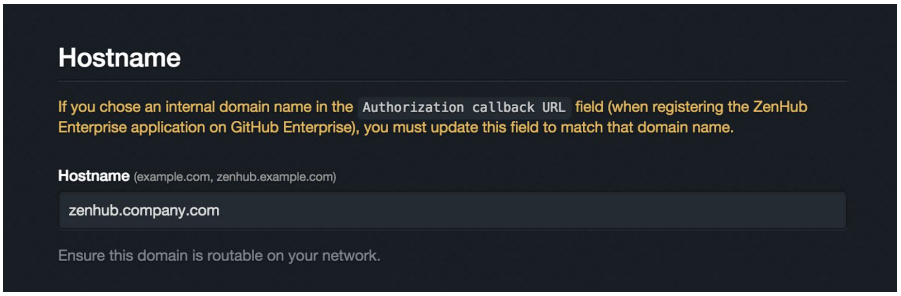
Navigate to the **Connect GitHub** section. You will see a form like the image below. Enter the homepage address of your GitHub Enterprise instance. Also enter the **Client ID** and **Client Secret** (generated from the previous step). Under the **Privacy** header, you will see **SSL only** is enabled by default.

Click **Choose File** to install your SSL Certificate (in PEM format.) This file will usually have a **.pem**, **.crt**, or **.cer** extension. Then click **Choose file** to install your SSL Key. This file will usually have a **.key** extension. The private key **must not** have a passphrase. To enable SSL, you must configure the Hostname and DNS.



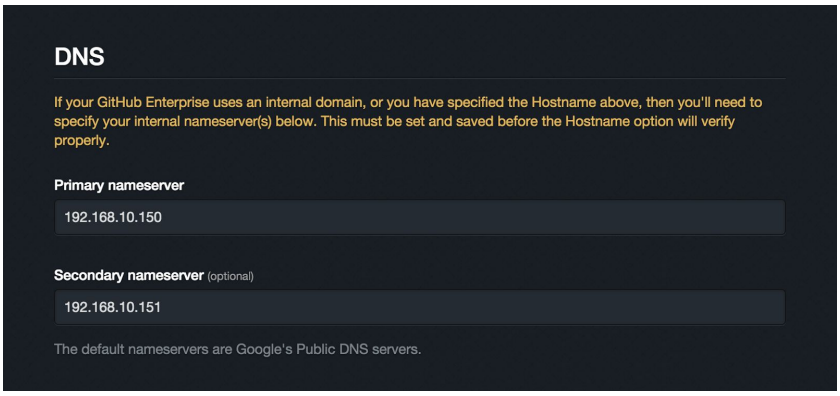


***Note**: The **Hostname** will automatically appear as the ZenHub Enterprise IP address. If you chose an internal domain name in the **Authorization callback URL** field (when registering the **ZenHub Enterprise** application on **GitHub Enterprise**) in step **5.3**, you must update this field to match that domain name.*

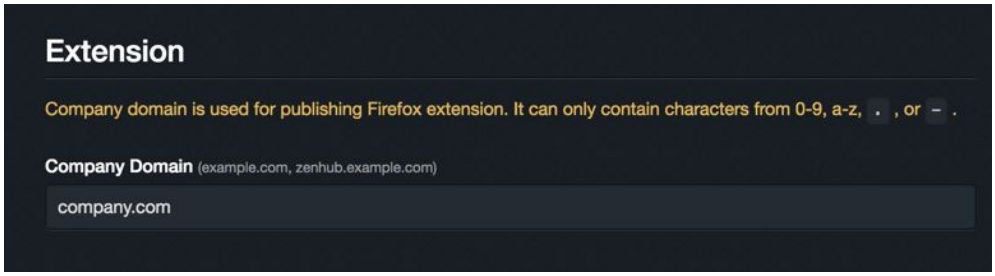


If your **GitHub Enterprise** instance uses an internal domain (for example: git.company.com) or you have specified the Hostname above, you must specify the Primary and Secondary DNS nameservers below.

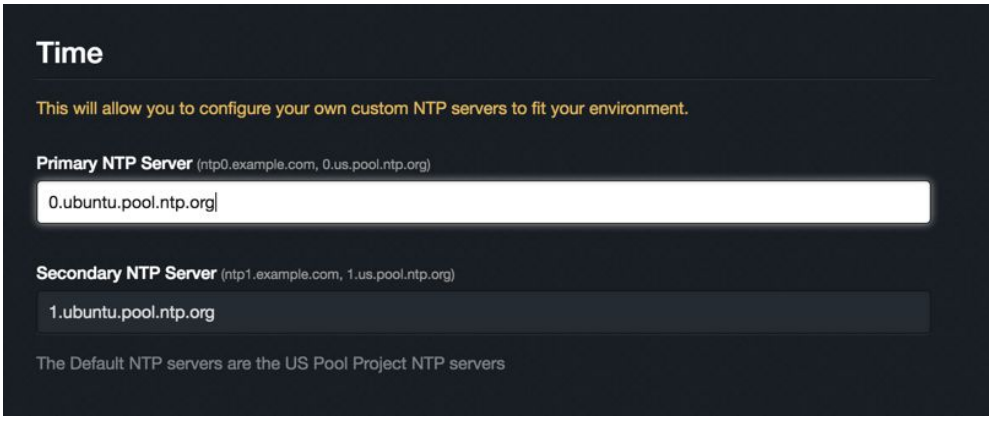
This will enable **ZenHub Enterprise** to sign in the user with **GitHub Enterprise** OAuth.



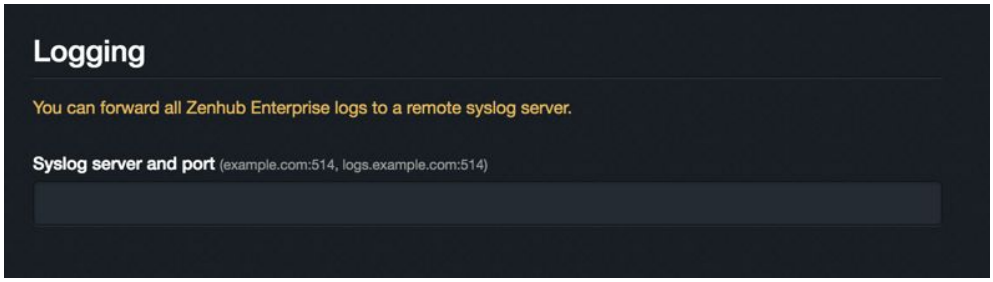
Note: If, when a user signs into the **ZenHub Enterprise** extension, a "*Fail to sign in ZenHub*" error message appears, check your **GitHub Enterprise** server address in Step 6.1. Also check the **DNS settings** above to ensure the nameservers are able to point your **GitHub Enterprise** server address to the correct IP address. **Enter your Company Domain.** This will be used when we are publishing the Extensions.



To configure a custom NTP Server for the ZenHub Enterprise Appliance, add a NTP server address to the Primary and Secondary NTP Server fields. ZenHub Enterprise Appliances use the US Ubuntu NTP Pool Servers by default.

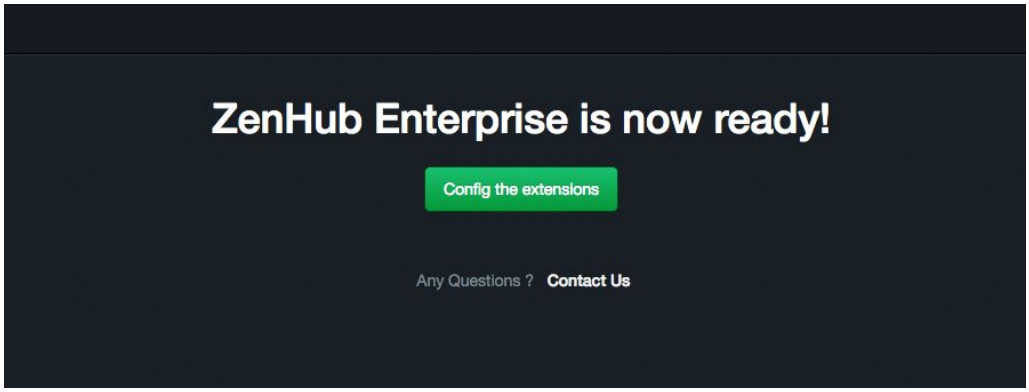


Optional: Configure the Appliance to forward its logs to a remote syslog server.



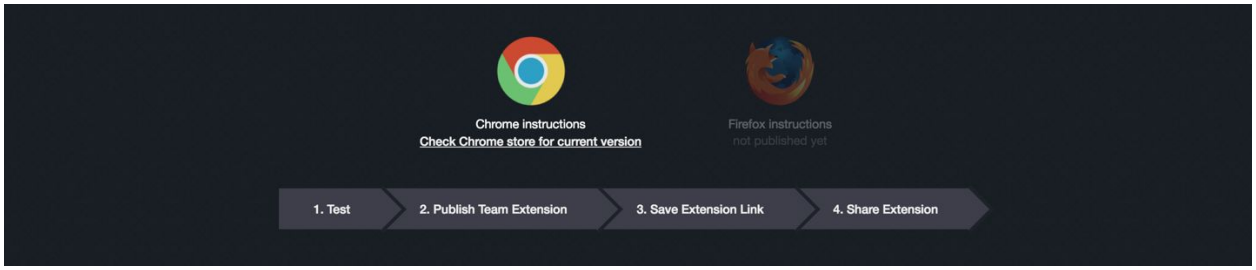
Click **Save settings**. This process can take up to 10 minutes.

When the settings are saved, you will see a button prompting you to **Config the Extension.** It will redirect you to the extension configuration page



Configure the ZenHub extension

The extension page explains how to publish the extensions for Chrome and Firefox. Follow the instructions for each browser to configure and publish the extension, and make the extension link available to users.



Distribute the Extension

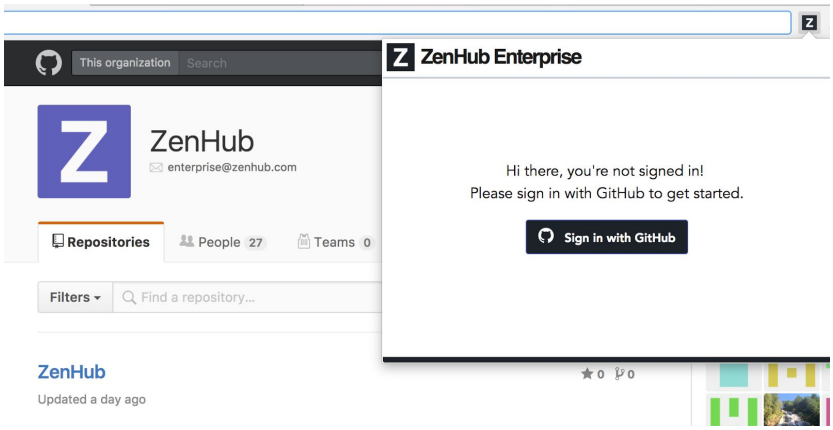
ZenHub Enterprise is now ready to be shared with your team. To install ZenHub Enterprise on Chrome or Firefox, new users can visit the following URL:

https://<zenhub-enterprise-hostname>/setup/download

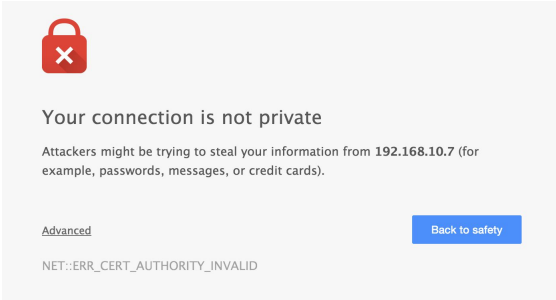
Note: *You may wish to copy this URL to an internal wiki or support page so new users can easily download the ZenHub Enterprise extension.*

Sign in to ZenHub Enterprise

Sign in to ZenHub Enterprise through the black icon to the right of your address bar.



Note*: If you do not have SSL enabled you may see this error screen. Click* ***Advanced*** *and* ***Proceed*** *to continue.*



Sign in using your GitHub credentials, and you're ready to roll! Your version of ZenHub Enterprise is ready! If you have any questions regarding your ZenHub Enterprise installation, we are happy to assist you.

Primary contact: enterprise@zenhub.com