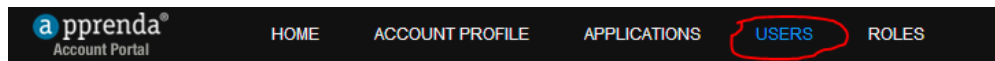


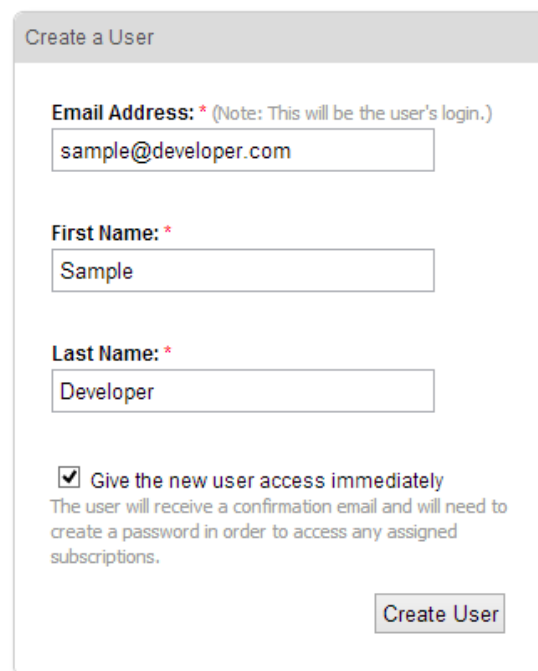
Adding Developers to your Team

In this lab we will take advantage of Apprenda's Roles and Securables capabilities to grant Developer Access to certain users.

1. Navigate to your account portal.
2. Click on the **Users** link located in the navigation bar.



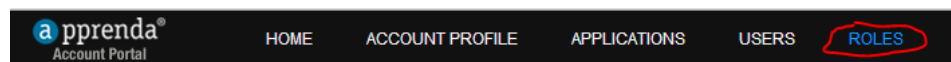
3. Create an account for the new developers, and grant them immediate access.



The screenshot shows a 'Create a User' form with the following fields and options:

- Email Address: *** (Note: This will be the user's login.)
sample@developer.com
- First Name: ***
Sample
- Last Name: ***
Developer
- Give the new user access immediately
The user will receive a confirmation email and will need to create a password in order to access any assigned subscriptions.
- Create User** button

4. Click on the **Roles** link located in the Navigation Bar.



Adding Developers to your Team




5. Create the *Developer* role.

The 'Create a Role' dialog box contains the following fields and controls:

- Role Name:** A text input field containing the text 'Developer'.
- Description:** A text area containing the text 'Used for people with access to the Developer Portal'.
- Create Role:** A button located at the bottom right of the dialog.

6. Click on the *Developer* role created.

The 'Organization Roles' table displays the following information:

Role Name & Description
 Developer Used for people with access to the Developer Portal

7. Select the *Users* that you would like to assign to the *Developer* role and click on *Add User(s)*.

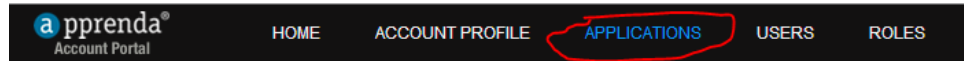
The user assignment interface consists of the following components:

- Available Users:** A list box containing 'Sample Developer - sample@developer.com'. Below it is a button labeled 'Add User(s)' which is circled in red.
- Available Roles:** A list box containing 'Developer'. Below it is a button labeled 'Add Role(s)'.
- Current Members:** A list box containing 'Bernardo Herdan - bherdan@apprenda.com'. Below it is a button labeled 'Remove Members'.

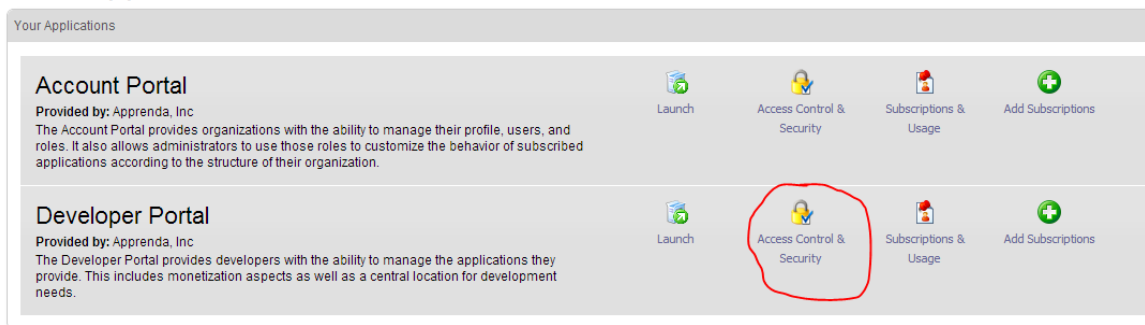
Adding Developers to your Team



8. Click on the **Applications** link located in the Navigation Bar.



9. Click on the **Access Control & Security** option from the **Developer Portal**.



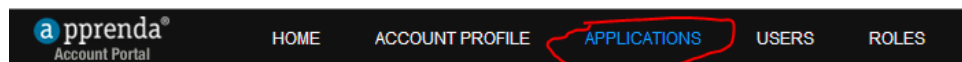
10. Assign the permissions that you deem necessary for a Developer. For the purpose of this example, we will be assigning complete control over the Development Portal to all Developers.

Adding Developers to your Team



Security Matrix	
Standard	Runtime
	Developer
Develop Application Versions This securable grants the ability to create new application versions and change the definition and price books when it is in the definition stage.	<input checked="" type="checkbox"/>
Execute SQL Scripts This securable grants the ability to run SQL statements against your end user's specific data.	<input checked="" type="checkbox"/>
Manage Applications This securable grants the ability to define new applications and delete existing applications.	<input checked="" type="checkbox"/>
Manage Billing This securable grants the ability to manage billing activities including merchant accounts and invoices.	<input checked="" type="checkbox"/>
Manage Events This securable grants the ability to manage event logs and set different event overrides.	<input checked="" type="checkbox"/>
Manage Offerings This securable grants the ability to create, change, or delete price books.	<input checked="" type="checkbox"/>
Promote to Archive This securable grants the ability to archive an application version that is published.	<input checked="" type="checkbox"/>
Promote to Published This securable grants the ability to promote an application version from the sandbox stage to published.	<input checked="" type="checkbox"/>
Promote to Sandbox This securable grants the ability to promote an application version to the sandbox stage.	<input checked="" type="checkbox"/>
View Events This securable grants the ability to view event logs.	<input checked="" type="checkbox"/>

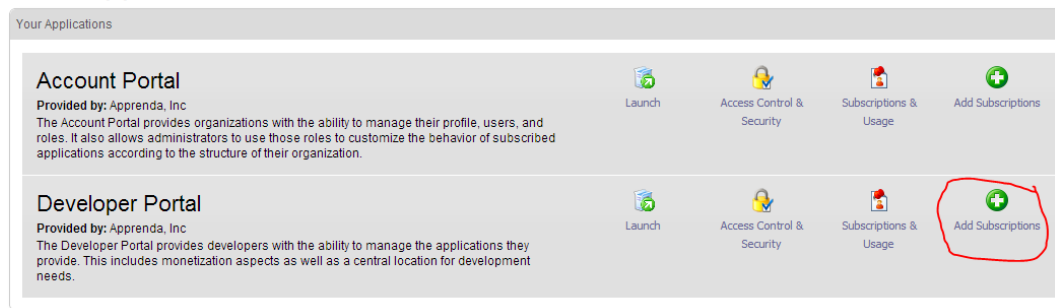
11. Click on the **Applications** link located in the Navigation Bar.



Adding Developers to your Team



12. Click on the **Add Subscriptions** button to purchase a Subscription to the developer portal.



13. Enter the quantity of subscriptions that you would like to purchase. You will need one per additional developer. Verify and confirm the invoice and select **Go to your Applications**.

Developer Portal

User Access Plans

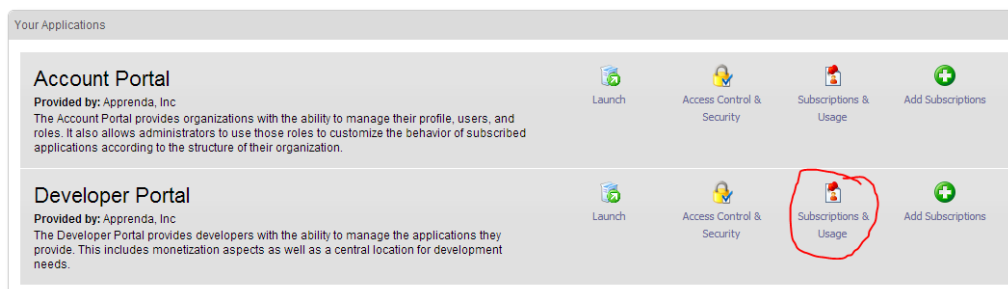
Basic

Quantity x

Please enter the number of subscriptions.

[Continue](#)

14. Click on **Subscriptions & Usage** in order to assign subscriptions to our developers.



15. Click on **Basic**.

Your User Subscriptions for Developer Portal

Subscription Group	Plan	# Allocated	# Vacancies	# Total
Basic	Basic	1	1	2

Why are these grouped?
We automatically group your user subscriptions by similar characteristics & features. All subscriptions in a single group will give users the same functionality within the application.

16. Click on **View Subscriptions**.

Group Profile

Group Name:
Basic

Subscription Breakdown:
1 in use + 1 vacant = 2 total
[View Subscriptions](#)

Common Subscription Profile:
All 2 subscriptions in this group have the same plan and included features.
Plan: Basic

Features:
This subscription has no features to show.
[Add/Remove Features](#)

17. Select the users you would like to have access to the **Developer Portal**, and click **Auto Assign**. This should move those users from the Available Users list and into a Subscription.

Subscriptions Overview
This page shows a list of all subscriptions in this subscription group. To view or change information for a specific subscription, click on its subscription locator. To assign users to your subscriptions, see the user assignment section below.

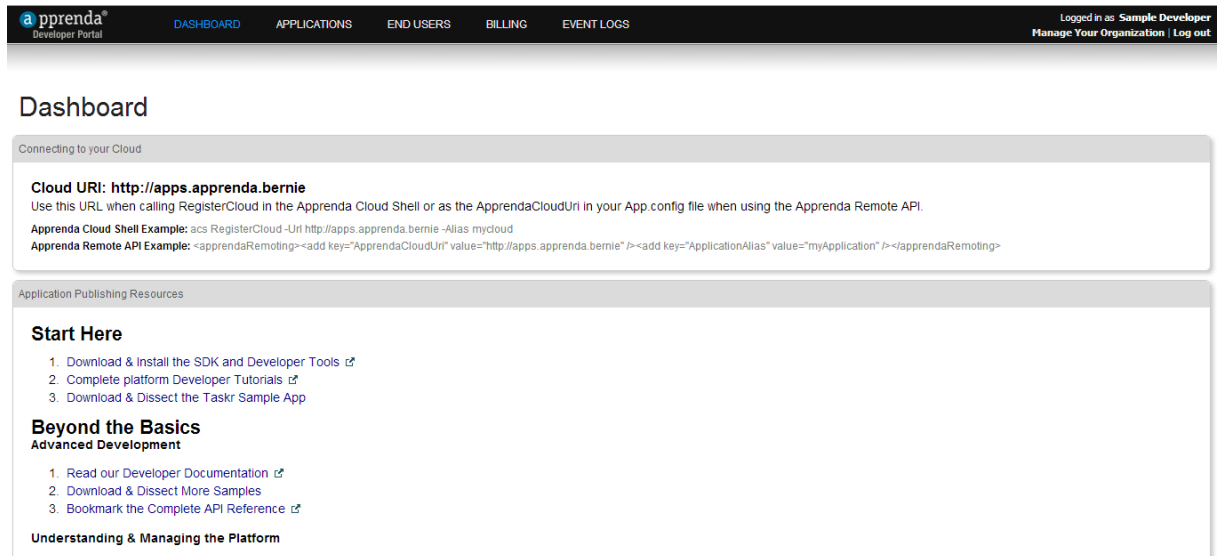
User Auto Assignment
Select up to 1 users to auto assign them to available subscriptions at random.

Subscriptions

Subscription	Assigned To	Status	Date Created
305793F2-1751	Bernardo Herdan	Active	1/2/2013
98448C23-01B6		Active	1/4/2013

Page 1 of 1 • 2 total

18. Congratulations! You are now able to access the **Developer Portal** to create and manage applications. If you sign in with one of the developer accounts, you should see a screen similar to the following.



The screenshot shows the Apprenda Developer Portal dashboard. At the top, there is a navigation bar with the Apprenda logo and the text "Developer Portal". The navigation menu includes "DASHBOARD", "APPLICATIONS", "END USERS", "BILLING", and "EVENT LOGS". On the right side of the navigation bar, it says "Logged in as: Sample Developer" with links for "Manage Your Organization" and "Log out".

Dashboard

Connecting to your Cloud

Cloud URI: <http://apps.apprenda.bernie>
Use this URL when calling RegisterCloud in the Apprenda Cloud Shell or as the ApprendaCloudUri in your App.config file when using the Apprenda Remote API.

Apprenda Cloud Shell Example: `acs RegisterCloud -Uri http://apps.apprenda.bernie -Alias mycloud`

Apprenda Remote API Example: `<appendaRemoting><add key="ApprendaCloudUri" value="http://apps.apprenda.bernie" /><add key="ApplicationAlias" value="myApplication" /></appendaRemoting>`

Application Publishing Resources

Start Here

1. [Download & Install the SDK and Developer Tools](#)
2. [Complete platform Developer Tutorials](#)
3. [Download & Dissect the Taskr Sample App](#)

Beyond the Basics

Advanced Development

1. [Read our Developer Documentation](#)
2. [Download & Dissect More Samples](#)
3. [Bookmark the Complete API Reference](#)

Understanding & Managing the Platform