

brainCloud Bombers Photon Tutorial

Thank you for downloading the brainCloud Bombers Photon Tutorial! This example demonstrates how brainCloud and Photon can be used in combination. brainCloud provides the persistent back-end with support for experience levels, achievements, leaderboards, data, email login, and custom statistics. Photon provides the ability to search for and host multiplayer games.

Note that the brainCloud Baas client SDK is already included in the brainCloud Bombers Photon Asset Store package so you do not need to download or import it into your project.

Notice - There are **known defects in Unity 5.2.3, 5.3.0 and 5.3.1** that affect this project. If you experience blocker issues, we recommend reverting to 5.2.1.

Part 1: Getting Bombers up and running

Step 1: Download the Unity Asset Store package

Since you're reading this document, the assumption is that you've already done this step. However you can locate the brainCloud Space Shooter tutorial package by searching on the keyword "braincloud" in the Unity Asset Store, or by navigating directly to this link:

https://www.assetstore.unity3d.com/#!/content/50657

[Optional] Step 2: Check out the game online

The game is readily available on the web - so if you'd like to try it out ahead-of-time, point a Unity web-player compatible browser at:

http://hubs.ly/H01yKLW0

For instructions on playing the game, skip to the end of this document. Be sure to come back when you're through, as we'll continue to show you how to hook it up to Photon and your own brainCloud account.

Step 3: Download and configure the Photon Unity Networking Asset Store package

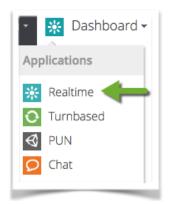
In order to run the project, you will need to download and import the Photon Unity Networking Asset Store package. You can find this package by navigating to

https://www.assetstore.unity3d.com/en/#!/content/1786

or by searching for "photon unity networking" in the Unity Editor's Asset Store.

After you've imported the package, you should be prompted to set up your account. Enter your app id if you have one, otherwise enter an email and you will be taken through the account creation.





Note that if you've already created an account, your appld can be found in the Realtime section of the Photon Dashboard.

Navigate to your **Assets | Photon Unity Networking** | **Resources | PhotonServerSettings** and ensure that:

- Hosting is set to Best Region
- Enabled Regions is set to Everything
- Auto-Join Lobby is Enabled
- Finally click Refresh RPCs to ensure all RPCs are generated (there should be 39)
- Your Appld shows up correctly



Step 4: Run the game from the IDE



After having linked your Photon server to the Unity project, you should be ready to go.

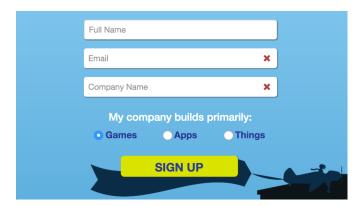
Open the **Assets | Scenes | Connect** scene, then hit **Play**.

Give the game a whirl, and then come back and we'll hook it up to your own brainCloud account.

Part 2: Hooking up to your brainCloud account

As provided, the game runs using the brainCloud Bombers demo app id. The following steps show you how to configure Bombers to use your own app id.

Step 1: Register with brainCloud



If you haven't already done so, you'll want to create a free account on the brainCloud servers.

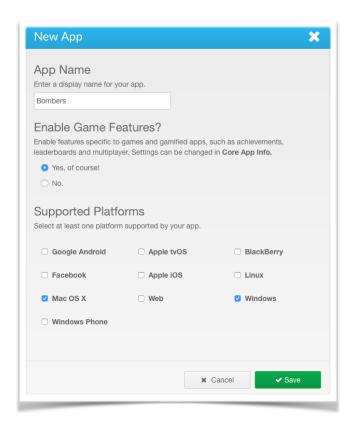
Navigate to: http://getbraincloud.com/signup/

and follow the steps to register an account.

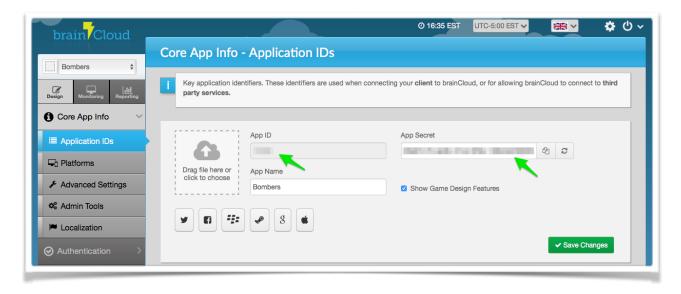
Step 2: Create a new game in the brainCloud portal

Next you need to create a game in your brainCloud account. The steps are straight-forward:

- Log into the portal: http://portal.braincloudservers.com
- From the Home screen, go to the Your Apps section and click the [+] to create a new app
- Enter a name for your app in the App Name field. Check the boxes for the Supported Platforms of your app. Be sure to include your development platforms (i.e. Mac OS X and/or Windows).
- Click [Save] to create the app. You may be prompted to enter a discount code - enter a code if you have one, otherwise click [Skip].



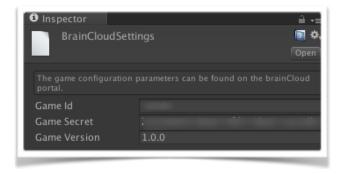
- Select your game from the Apps screen to view the Design settings for your app. By default, you'll go to the Design | Core App Info | Application IDs page.
- Note your App ID and App Secret you'll be using those in the next step.



Step 3: Configure the brainCloud settings in your Unity project

Now, we give your Unity project the ids necessary to talk to brainCloud.

- Open your project in Unity
- Select Window | brainCloud | Settings from the Unity IDE menu to bring up the brainCloud Settings pane
- Enter the App Id and App Secret from the portal page into the Game Id and Game Secret fields of the settings pane (note: brainCloud tends to use the terms game and app interchangeably)



It's also worth noting that you can enable brainCloud debug using the the settings pane.

There are also buttons which take you to the brainCloud portal, API documentation and Tutorials webpages.

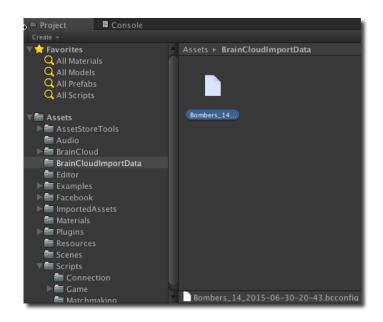
Step 4: Import the Bombers game data to your app

In order to get your app configured quickly, there is an import file within the **Assets** | **BrainCloudImportData** folder.

Log into brainCloud and navigate to the **Design | Core App Info | Admin Tools** page.

Click the **Import** button in the Configuration Data section, select the import file and click **[Upload]**.

You should now be set up! Try playing the game again.



Part 3: Digging in

Bombers Deep Dive

More information on the Bombers game can be found here:

http://getbraincloud.com/apidocs/tutorials/unity-tutorials/about-braincloud-bombers/

brainCloud API Reference

For the complete reference of available APIs refer to the brainCloud APIDocs at:

http://getbraincloud.com/apidocs

For more Unity tutorials, go to:

http://getbraincloud.com/apidocs/tutorials/unity-tutorials/

Happy Coding!

Part 4: Playing Bombers



When you start up Bombers, you are first presented with the **Welcome** screen.

Enter an *email* and *password*, click **[Log In]** and you should be connected to brainCloud.

(Note - if the account doesn't already exist it will be created for you.)

Upon successful authentication you should see the **Bombers Lobby**.

You can join an existing game (room), or create a new one. For our purposes, we will create a new game.





In the **Create Game** dialog you can specify your room name, the layout of the map, map size, maximum number of players, and the player level range. Just click **[Create Game]** to continue.

At this point you can invite a friend to join you in the lobby. When everyone has joined in, click [Start Game] to launch.

Game Controls

Bombers uses standard WASD keyboard + mouse controls:

- 'A' turn counter clockwise
- 'D' turn clockwise
- 'W' speed up
- 'S' slow down
- Mouse button 1 to fire guns
- Mouse button 2 to drop a bomb (if available)

Happy Hunting!

