

LightHouse QUICK-START DOCUMENTATION



1. CREATE A NEW UWP UNITY PROJECT

Build Settings				
Scenes In Build				
		Add Oper	Scenes	
Platform	-			
PC, Mac & Linux Standalone	Universal Windows	Platform		
1				
🕂 Universal Windows Platform 🖪	Target Device	Any device	•	
Android	Architecture	x64	•	
Android	Build Type	D3D Project	• •	
tvos tvos	Target SDK Version	Latest installed		
	Minimum Platform Version	10.0.10240.0		
PJA PS4	Visual Studio Version	Latest installed		
:00 int	Build and Run on	Local Machine		
iOS ios	Build configuration	Release	•	
Xbox One	Copy References Copy PDB files			
NTML	Development Build			
5 WebGL	Autoconnect Profiler			
-	Deep Profiling			
	Script Debugging			
	Scripts Only Build			
	Compression Method	Default	•	
		Learn about Unity Cl	oud Build	
Player Settings Build And Run				





2. ADD « CLIENT/LIBS/UNITY » FILES INTO THE PROJECT

a. UWP dll should have « WSAPlayer » as only target

ġ	Synergiz.Collabor	ation.Clients.WebSockets.Uw	
			Open
Ger	neral		
Aut	to Reference	✓	
Val	lidate References	×	
Sel	ect platforms for pl	ugin	
Ang	y Platform		
Inc	lude Platforms		
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And	droid		
WS	APlayer	~	
Plat	tform settings		
		4	
SD	к	Any SDK	•
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Do	n't process		
Pla	aceholder		•
Def	ine Constraints		
Lis	st is Empty		
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b. Create a script named « CollaborationManager » :

- Import this :

using Synergiz.Collaboration.Clients; using System.Threading.Tasks; # #if UNITY_EDITOR using Synergiz.Collaboration.Clients.WebSockets; #else using Synergiz.Collaboration.Clients.WebSockets.Uwp; #endif

- Create two client properties : Server address and name

```
public string HostAddress = "ws://localhost:5000/Collaboration";
public string clientName = "SynergizBoy";
private CollaborationClient client;
```

- Create an asynchronous function for the client connection :







- Create a function to initialize the shared properties, if they already exist online it can be a good idea to retrieve them.

Example :

```
private string textHelloWorld = "Hello World";

private async Task<bool> InitProperties()
{
    var textResult = await client.CreatePropertyAsync<string>("TextCollab", textHelloWorld,
    Synergiz.Collaboration.Shared.NotificationTypes.Others,
    Synergiz.Collaboration.Shared.PropertyAccess.ReadWrite);

    if(textResult.HasError)
    {
        Debug.LogError("IsTransformMode creation issue");
        return false;
     }

    if(textResult.ServerValue == Synergiz.Collaboration.Shared.CreatePropertyResult.PropertyAlreadyExists)
    {
        var getResult = await client.GetStringPropertyAsync("TextCollab");
        if(getResult.HasError)
        {
            var getResult = await client.GetStringPropertyAsync("TextCollab");
            if(getResult.HasError)
        {
            return false;
            }
            textHelloWorld = getResult.ServerValue;
        }
        return true;
        }
    }
}
```

- Once the property is shared, handle the event trigger when a property is updated on the server.

Example :



- It is important to understand that when you get a shared property value, it is not during an application cycle (like Unity for this situation). This is why we need to pass through the main thread Update.

Example :



