ELIOT INTEGRATION



The following document describes the additional steps that have to be done manually by the User to achieve an integration between Eliot and one of the listed third party assets. Note that some of the integrated third party assets require no additional actions from the User. This document only features those that do require any action.

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Opsive **UCC**

To make sure Opsive system does not crush when an Eliot Agent's gameObject is removed upon "death", open the RecoilAnimatorAudioStateSelector.cs script. Find the IsBlocked() method and add the following line, as it is displayed on the following screenshot:

if(!m HitColliders[i]) continue;

```
/// <summary>
/// Is the item currently being blocked by an object that should cause recoil?
/// </summary>
/// <returns>True if the item is currently being blocked by an object that should cause recoil.</returns>
private bool IsBlocked()
{
    for (int i = 0; i < m_HitColliderCount; ++i) {
        ShieldCollider shieldCollider;
        if (!m_HitColliders[i]) continue;
        var hitGameObject = m_HitColliders[i].gameObject;
        if ((shieldCollider = hitGameObject.GetCachedComponent<ShieldCollider>()) != null) {
            if (shieldCollider.Shield.CurrentDurability > 0) {
                return true;
            }
        } else if (hitGameObject.GetCachedComponent<RecoilObject>() != null) {
            return true;
        }
    }
    return false;
}
```

Invector Character Controllers

To make an Invector character damage an Eliot Agent open the vMeleeAttackObject.cs script. Find the ApplyDamage() method and add the following lines, as it is displayed on the following screenshot:

```
var eliotAgent = other.GetComponent<Eliot.AgentComponents.Agent>();
if (eliotAgent)
```

eliotAgent.Damage(damage.damageValue);

Two Cubes Game Kit Controller

To make a GKC character damage an Eliot Agent open the applyDamage.cs script. Find the checkHealth() method and add the following lines, as it is displayed on the following screenshot:

```
var eliotAgent =
objectToDamage.GetComponent<Eliot.AgentComponents.Agent>();
if (eliotAgent)
{
    eliotAgent.Damage(damageAmount);
    eliotAgent.Motion.Push(position, damageAmount*0.1f);
}

//disp.chec.U.Damage(damageAmount);
eliotAgent.Motion.Push(position, damageAmount*0.1f);
}

//disp.chec.U.Damage(damageAmount);
eliotAgent.Motion.Push(position, damageAmount*0.1f);
}

//disp.chec.U.Damage(damageAmount);
eliotAgent.Motion.Push(position), damageAmount, Vector3 direction, Vector3 position, GamaGeject projectileOmount, DeliotAgent damageAmount, Vector3 direction, Vector3 position, GamaGeject projectileOmount, DeliotAgentColumngo.GetComponent.CeharacterDamageMacesIver> ();
if (characterDamageMacesIver)cChecks) {
    characterDamageMacesIverPoChecks() {
        if (characterDamageMacesIver)cChecks - objectToDamage.GetComponent.CeharacterDamageMacesIver> ();
if (vehicloDamageMacesIver)cCheck.SetDamage (damageManount, direction, position, projectIleOmor, projectIle, damageConstant, searchClosestMeakSpot);
    return;
}

vehicleMDManager vehicleHDManagerToCheck - objectToDamage.GetComponentCvehicleHDManager> ();
if (vehicleHDManagerToCheck.setDamage (damageManount, direction, position, projectIleOmor, projectIle, damageConstant, searchClosestMeakSpot);
    return;
}

health healthToCheck - objectToDamage.GetComponentCheck.projectIleOmor, projectIle, damageConstant, searchClosestMeakSpot);
    return;
}

health healthToCheck - objectToDamage.GetComponentCheck.projectIleOmor, projectIle, damageConstant, searchClosestMeakSpot);
    return;
}

health healthToCheck - objectToDamage.GetComponentCheck.projectIleOmor, projectIle, damageConstant, searchClosestMeakSpot);
    return;
}

// Emersid_Allothcok - objectToDamage.GetComponentCheck.projectIleOmor, projectIleOmor, projectIleOm
```

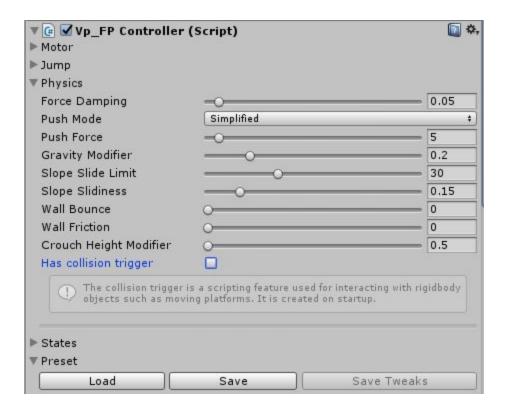
UFPS

To make sure that UFPS character is detectable by an Eliot Agent open the vp_FPController.cs script. Find the Start() method and add the following lines, as it is displayed on the following screenshot:

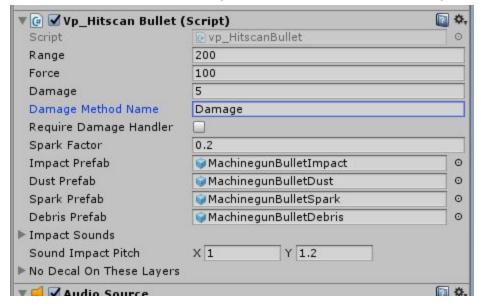
```
var unit =
m_Trigger.gameObject.AddComponent<Eliot.Environment.Unit>();
unit.Type = Eliot.Environment.UnitType.Agent;
unit.Team = "player";
```

```
m_Trigger = new GameObject("Trigger");
m_TriggerCollider = m_Trigger.AddComponent<CapsuleCollider>();
m_Trigger.gameObject.AddComponent<vp_DamageTransfer>();
        vp_SurfaceIdentifier triggerSurfaceIdentifier = m_Trigger.gameObject.AddComponent<vp_SurfaceIdentifier>();
```

The other way around this is to uncheck the "Has collision trigger" toggle in the Physics section of the player's vp_FpController component in the Inspector:



To let UFPS character can damage an Eliot Agent, make sure that whatever Projectile the UFPS character uses, its "Damage Method Name" is set to "Damage":



Ootii Third Person Motion Controller

To make an Ootii TPMC character damage an Eliot Agent open the WeaponCore.cs script (ArrowCore.cs for ranged attack). Find the following line using ctrl+f:

```
lRigidBody.AddForceAtPosition(rHitInfo.Vector * 1Message.ImpactPower,
rHitInfo.Point, ForceMode.Impulse);
```

This line is embedded inside an if statement. Insert the following code right after that if statement:

```
var eliotAgent =
rHitInfo.Collider.gameObject.GetComponent<Eliot.AgentComponents.Agent>();
if (eliotAgent)
{
    eliotAgent.Damage(damageAmount);
}
```

General Notes

Whenever you want to make any object, like player controller, detectable by Eliot agents, simply add the Unit component to them. For more details about the usage of the Unit component, see manual: www.eliot-ai.com/learn