Save & Load System by VEOdev

Setup:

All what you have to do is create a new Data object and assign your **profile ID**If the profile already exist it will be loaded automatically, you can disable it from the settings.

Profile ID is a string that represent the folder name, you may have many profiles.

Data is the object we will use to access our saved data or save new data

How to set data:

Use the **SetData("YourDataTag"**, **YourData)**; **SetData will update the data if it already exists, if not it will create it.**

Doing it this way can be messy for large data like player info or player stats, A better way is to use class that contains the player data and set the whole class at once.

```
..// Make a class for the player data
..public class PlayerData
..{
... public string name = "Jake";
... public int health = 100;
... public Vector2 position = new Vector2(0,0);
...}
.. public PlayerData playerData;
... void AssignExampleData()
... {
... // Now we just assign the whole class
... data SetData("PlayerData", playerData);
...}
```

How to get the data:

All what you need to do is use the **GetData<Datatype>("YourDataTag")**;

```
void GetExampleData()

{
    playerData = data GetData PlayerData ("PlayerData");

    // GetData will return a data with the specified type
    // Make sure to type the data tag correctly.
}
```

How to save the data:

The **SetData** method will not save the data it just assigns it, we recommend you to save the data in check points or before scene change, check points are the better way.

How to load the data:

When you create the data object, if there is already a saved data in that profile, it will be automatically loaded, in case you don't want that and you disable auto load from the configuration. You can use **LoadProfile()** method.

What data type can be saved? Everything.

Other useful methods

Other useful parameters

```
public string FilePath
public string BackupFilePath
public string JsonFile
public bool isEmpty
public bool isLoaded
public bool isSaved
```

What if my data file got corrupted?

If the saved data file is corrupted for some reason, the system will use a backup data file.

Can my users cheat and change the data?

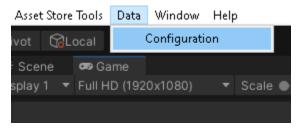
The data is encrypted with a secret key that you chose, which makes it impossible to read. You can disable the data encryption from the config.

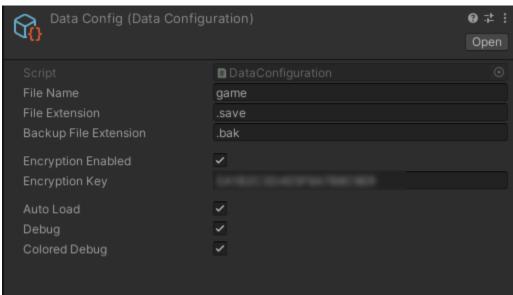
```
File Edit Format View Help

無戻情場上日の砕琘椌攥「扠眸眩城市加牥挐恉挈眂甚颾愼戗愘杀咖啡外內的心體锐
我例f宿!で慜攃汽罩叭唧。四杰瀉涉鐸搓攔昕嶭砕猘築yŵZ貅內的品別籵洀貐挒搓攔
◆象⊗埭:ōał貅內的品錯琱勪:"對風練琔瘛餞戗挘槁攥「凡幡匥尫纁別如汆礇瘁甋栅伹昕
愖尸本的椀蓷嘷點別透囫堋散
```

This is how your saved data file will look like.

How to change the configuration?





Example:

```
//we call this when we open the game.
void LoadAndPrintData()
/ // Init the data object with the profile.
data = new Data("MyProfileID");
 ···// Check if there is data with this tag just in case.
 if (data.HasData("PlayerData"))
 • • • {
 ····//·If there is we assign our playerData to our saved playerData
 playerData = data.GetData<PlayerData>("PlayerData");
 • • • {
 ···/··//·If·not·we·create·it
 data.SetData("PlayerData", playerData);
· · · }
 ···//·Now·lets·try·to·print·the·data·and·see·if·it·changed
 print(playerData.health);
···//·output
---//-250
```