Welcome to Balancy Documentation

Balancy is a superhero that swoops in to save game studios from the clutches of mediocrity. Our mission? To increase LTV and help studios triumph over competitors by customizing and personalizing gaming experiences.

What is Balancy?

Balancy is a robust, flexible tool designed to run Live Operations and manage in-game economies. It facilitates essential features such as virtual currencies, inventory systems, player progression, and more. Our core feature helps game developers run and analyze Live Operations, which, as a result, increases a game's LTV. LiveOps managers and Game Designers get convenient tools to work remotely with Game Events, Personalised Offers, A/B Testing, and Segmentation. Balancy requires minimum effort from engineers and helps them with many automated tools.

Why use Balancy?

Balancy provides extensive features to support your game's LiveOps and economy, whether you're developing a small indie game or a large-scale multiplayer project. It offers flexibility and customization to suit your specific needs. By using Balancy, you can save development time and focus more on gameplay and user experience.

Watch Video

Join Our Discord

How to use this guide?

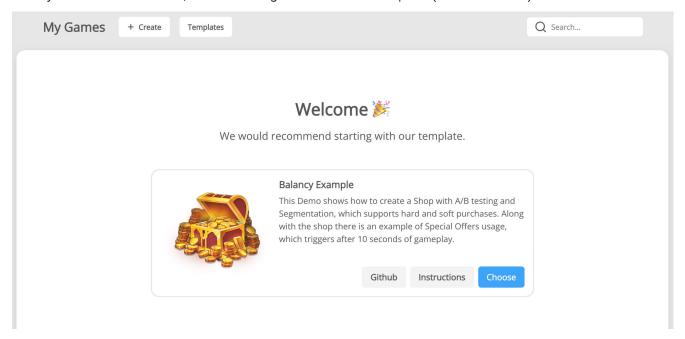
This guide is divided into several sections:

- Quick Start: This section covers setting up Balancy and running LiveOps.
- LiveOps: Here, you'll find more detailed instructions on using Live Operations.
- Content Management System: This section overviews the Balancy balance editor, inventory, and in-game economy.
- Deploy: Learn how to deliver data from Balancy to players.

Feel free to navigate through the documentation in a way that suits best to your needs. If you have any questions or issues, please don't hesitate to contact our support team. We're here to help!

Step-by-step Integration

- 1. Basic Integration (Platform) [30 minutes]
 - 1. Create an account at Balancy.
 - 2. Once you see the dashboard, create a new game or use our Template (Recommended).



3. If you created a new game, install LiveOps package.



- 4. (Optional) Create a new template Gameltem to define your game item's properties.
- 5. Import your game items using our GoogleSheets Synchronisation or add items manually.
- 6. Deploy

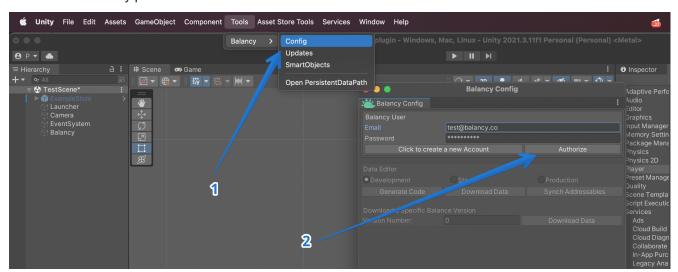
Integration Guide

Efficiently integrate Balancy into your gaming environment with our Unity plugin and initialize it with ease.

Plugin Installation

Ensure a smooth integration with these straightforward steps:

- 1. Download Plugin: Obtain the most recent version of the plugin here.
- 2. Import to Unity: Incorporate the Balancy plugin into your Unity project.
- 3. Authorization:
 - Navigate to **Tools** ➤ **Balancy** ➤ **Config** post-compilation.
 - · Use the Balancy platform credentials to authorize.



4. Game Code Generation:

- · Choose the relevant game.
- Click Generate Code to proceed.

Launch Check List

Follow this comprehensive workflow for a seamless release of game update on App Store/Google Play:

Preparation Steps

- 1. Begin by deploying all recent changes to the **Dev** environment. Ensure to specify the minimum app version compatible with the new data.
- 2. Rigorously test the app within the **Dev** environment to confirm everything operates as intended.
- 3. Safeguard your progress by migrating data from **Dev** to **Stage** environment. This strategy maintains a stable version on **Stage** in the event of issues during the review phase, leaving **Dev** free for ongoing developments.

Build Process

- 1. Utilize Unity to Download Data from either **Dev** or **Stage** environments. At this point, both environments should align in terms of data.
- 2. **Critical Step:** Build your game specifying the **Production** environment in the **Init** method. Although the Production cloud may lack data, the previously injected information will temporarily suffice.
- 3. Thoroughly test the build. Address any issues, potentially looping back to step (1) for major fixes. Despite targeting the **Production** environment, the embedded higher-version data prevails.

Submission

- 1. Submit the polished build to App Store/Google Play.
- 2. Patiently await approval before releasing the build.

Post-Launch

- 1. Post-approval, execute a final migration of data from **Stage** to **Production**, mindful of the minimum version prerequisites.
- With everything in place, you are now free to modify data within the **Production** environment, deploying realtime updates directly to your players.

Adhering to this checklist ensures a streamlined, efficient, and less error-prone release process, contributing to a smoother experience for your players and maintaining the integrity of your live product.

Live Operations

You've heard about Live Operations many times and may think you know everything about it. Yet, when you try to define the term it turns out to be vague and includes everything from in-game events and promotional sales to support and community management.

LiveOps strategies help games become living and evolving organisms versus the 'create – release – start a new project' approach. When you run a game as a service, the release date is the beginning of a new life. Like a new organism, your game is evolving, keeping players constantly coming back for more fun and unique experiences.

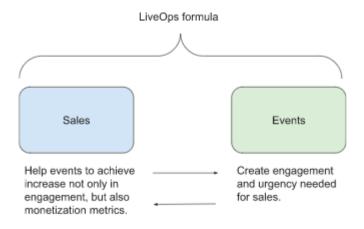
Let's define LiveOps the following way: they are changes and updates you bring into the game after the release date to engage your players, create long-term relationships with them, and increase LTV of your game.

Here are some examples of what LiveOps can be:

Adding a skimming pricing(*) strategy to your shop
Adjusting the frequency of ads to various segments of players
Decorating a game for St. Valentine's Day and adding new festive skins
Promoting your in-game tournament on social media, where your community gathers
Bug fixes and app productivity optimization

(*) Skimming pricing initially sets a relatively high price for an offer and subsequently lowers it over time.

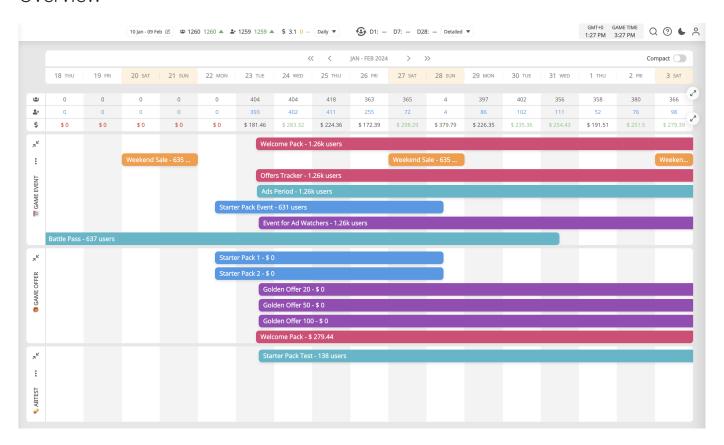
The most common and proven combination for your LiveOps strategy is combining in-game events and promotional sales. Sales are usually coupled with Events to create sense of urgency to buy. You can make a time-limited Black Friday sale with huge discounts or start selling new winter skins around Christmas as a part of your winter in-game season.



Dashboard

Welcome to the heart of your LiveOps strategy - the Dashboard! This is where you can get a high-level view of your game's activities and performance, all in one place. The dashboard is designed with game developers in mind, providing you with actionable insights and easy access to key tools for planning and managing in-game events, offers, A/B tests, push notifications, and more.

Overview



Your Dashboard is the control center for your game's LiveOps. At a glance, you can:

- · View ongoing and scheduled in-game activities.
- · Monitor the performance of your campaigns.
- · React quickly to changes or issues.

Offers & Items

Item

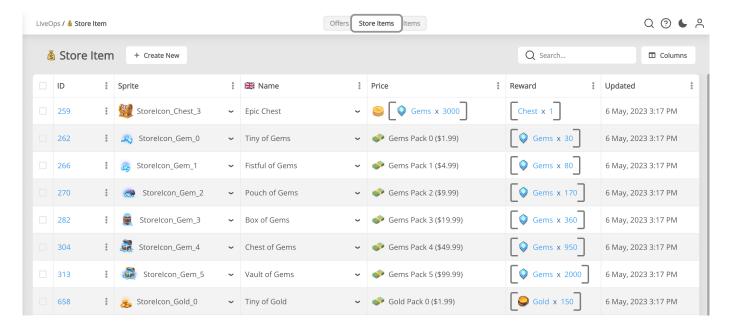
An Item Document represents one entity within your game. It can be a sword, shield, wood, stone - anything from your game.

Parameter	Description
Name	The name of the Item
MaxStack	The maximum amount of Item, which can be put in one Slot

We want to keep this structure as universal as possible. Thus, we only added a few parameters. However, your game needs much more parameters than we provide. Just create a new Template inherited from **Item** and add as many parameters as you need. We have a great template package Merge Game, which can teach you how to do that and how to operate with complicated item systems.

Store Items

Store Items section contains everything you can sell directly through the in-game Shop or via Game Offers.



Inventory

Inventory in games is a crucial feature for managing player-owned items and currencies. It tracks player acquisitions, whether through in-game purchases, rewards, or other means. Balancy seamlessly integrates inventory management, ensuring a smooth player experience.

Uses of Inventory

Inventory systems can be adapted for various game types, including:

- In-Game Currencies: Managing virtual money, gems, or resources.
- Storage in Farm Games: Keeping track of harvested crops, tools, and equipment.



• Bag and Inventory in RPGs: Holding weapons, potions, and other RPG essentials.

Purchases

Balancy facilitates a variety of purchase types to suit different game monetization strategies. Players can acquire:

- 1. Storeltem
- 2. GameOffer
- 3. OfferGroup

Explore the four methods to process purchases:

Direct Purchase

Balancy automates price checks and validations, informing the client about the outcome through a callback. Learn more about the purchase flow.



Setup

- Install the Balancy Payments package via **Tools** ➤ **Balancy** ➤ **Updates**.
- · Configure Payments in Balancy, providing necessary validation data.

Methods to initiate a purchase:

Post-Purchase Notification

If you manage the transactions by yourself, use these methods to notify Balancy post-purchase, utilizing receipt validation. Detailed purchase flow.



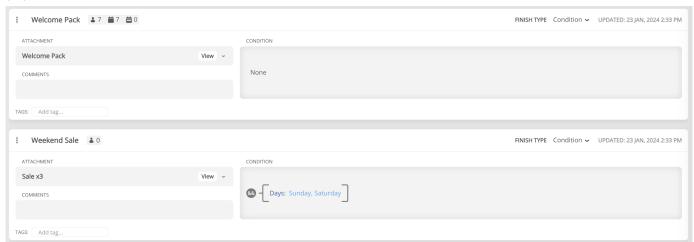
Setup

- Ensure the Balancy Payments package is installed. **Tools** ➤ **Balancy** ➤ **Updates**.
- Complete Payments configuration for validation requirements.

Game Events

A Game Event is the first step for launching Game Offers. However, Game Events have a much broader meaning. You can use them to plan your in-game activities and events like Halloween, Tournaments, Weekends, and more. Adding Game Events increase your game's retention and engagement.

After installing the LiveOps package, you get a ready-to-use structure for Game Events, and the table looks like this:

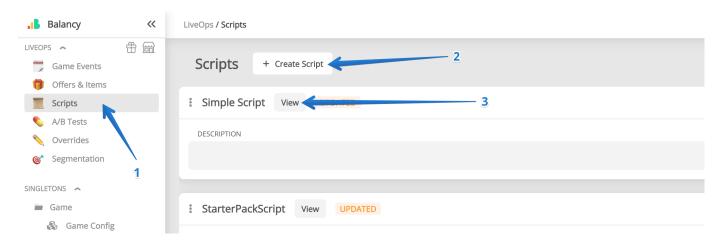


Parameter	Description
Name	This name is used mostly for your convenience
Attachment	Attachment can be either Script, or Game Offer. The script is executed once the event starts. The script can have any logic, but generally, it's used to Segment players and give them Personalised Offers. You can read more about scripts in Visual Scripting section. The same way a Game Offer is activated when event starts, but it simply shows an offer without complex logic. You can learn more about Game Offers in Offers & Items section.
Condition	A condition required to meet to start the event. Leave it blank if you want to run this event all the time - this approach works for Starter Pack Offers. But if you have seasonal, weekend, or game anniversary events - you should specify the conditions. In most cases, the conditions are time-based.
FinishType	Defines how the Game Event should end. By default the Game Event deactivates once the Condition is false, you can change the type to Duration and specify how long the event lasts after activate. Keep in mind, after deactivation, if Condition is true, the Game Event starts again.

Visual Scripting

Visual Scripting is a tool designed to lower the entry barrier to programming. As code is more visible, it needs less abstract thinking to be understood. Any game designer or analyst can look at it and quickly understand the logic flow.

We've added VS to Balancy, so you can segment and limit your Game Offers to ensure that the correct player gets the right offer. The first version of VS is limited, but we plan to expand it so you can use it for anything, even game logic. The best part of VS is that it lets your designers manipulate game logic remotely and without distracting your engineering team.



Parameter	Description
Name	This name is used mainly for your convenience
Description	Helps other team members quickly understand the purpose of the Script

When you click on a View button of any Script, the Visual Scripting tool will launch and open the selected Script.

Scripts

In Visual Scripting, a script is similar to any scripts in other languages: it is a sequence of instructions or commands that are visually constructed using Nodes and Links. These commands are then executed during runtime on the end user's device. Scripts are typically used to determine which Game Offers should be shown to an end user.

Creating a Script

Scripts are created in the Scripts page, which can be found under the LiveOps section of the Navigation panel. Upon creating a Script, it can be opened by pressing the View button next to the Script name, which will bring you to the Script View.

Using a Script

After creating a Script, it can be activated in-game by first attaching it to a Game Event. The Script activates as soon as the Game Event itself activates when its conditions are met.

Note: If a Game Event has no conditions, it will immediately activate upon starting the game.

Inner Scripts

Scripts can also be used within other Scripts. This Script will act like any other Node and can be connected to other Nodes using Links. This allows you to reuse any Scripts you've created previously, so you won't have to recreate any logic you find yourself using often.

Below is a normal Script and how it could be used inside other Scripts.

Toolbar

In Visual Scripting, the toolbar contains useful tools to help you while building your own Scripts. Upon opening a Script, it can be found at the bottom of the Script view.

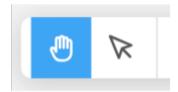
Tools

Here are the tools you can use within the toolbar. Their descriptions contain both the tool icon and its activation hotkey.

Grab Mode (G)

Switches to Grab Mode. This mode allows you to pan around the Script. It is possible to select and interact with Nodes, Ports, and Links in this mode, but prevents you from dragging to select multiple nodes.

You will be able to tell if you're in Grab Mode if the Grab icon is highlighted and the Select icon is not.

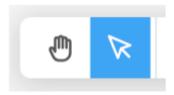


Note: While in Grab Mode, you can quickly switch to Select Mode by holding the Shift button.

Select Mode (V)

Switches to Select Mode. This mode allows you to select multiple nodes; simply hold and drag the cursor over the nodes you wish to select. It is possible to select and interact with Nodes, Ports, and Links in this mode, but prevents you from panning around the Script.

You will be able to tell if you're in Select Mode if the Select icon is highlighted and the Grab icon is not.



Undo (Ctrl + Z) and Redo (Ctrl + Y)

The Undo tool undoes an action taken within a Script. Conversely, the Redo tool redoes a previously undone action. These tools are helpful if you ever want to quickly revert a mistake you made, or if you simply want to compare different values quickly.

Nodes

In Visual Scripting, nodes are fundamental building blocks that represent specific operations or actions in a Script. Here are some examples of actions that a node can do:

- Some nodes take in some inputs, processes them, then outputs some values (check out Operator Node)
- Some nodes simply redirect the Flow of the Script depending on a condition (check out Branch Node)
- Some nodes do some system actions (check out Log Node)

Nodes come in different sizes and shapes, are made up of different kinds of Ports, and can be linked to other nodes through Links, but they are all essential parts of a Script in order for that Script to do something.

Creating Nodes

To create a node, simply right-click on the Script View. This will open up the Node Context Menu, where you can search for and choose the node you'd like to add. When hovered, each node in the menu will also show a short description about what they do. Once you found the node you'd like to add, simply click on the menu option, and the node should be added on the Script View near where you right-clicked.

Ports

In Visual Scripting, a port is found on a node and functions as a point of connection that other nodes can connect into. Ports cannot exist by themselves, and are always attached to nodes. Ports can be connected to other ports using Links. Once connected, a port can only receive values from, or be flowed into, its connecting port.

Note: There are rules about connecting ports to each other. Some ports can only connect to one other port, while some can connect to many ports. Check out the Link Rules for more details.

In Ports and Out Ports

There are two kinds of ports:

- In Ports ports going into a node
- · Out Ports ports going out of a node

It is easy to tell them apart by checking which side of the node the ports are in. In Ports are always found on the left side of a node, while Out Ports are always found on the right side of a node. This also holds true for the Script itself; the Script's In Ports are always on the left side of the Script View, while the Script's Out Ports are always on the right side of the Script View.

The In Ports include Enter Ports and Input Ports, while the Out Ports include Exit Ports and Output Ports.

Note: One rule about connecting ports to each other is that, generally, In Ports cannot be connected to other In Ports. Similarly, Out Ports cannot be connected to other Out Ports. However, there is an exception. Check out the Link Rules for more details.

Links

In Visual Scripting, a link is the connection between ports and allows nodes to talk to each other. Similar to Ports, links cannot exist by themselves, and have to always be connected to a port on both ends. Depending on whether a link connects Flow Ports or Value Ports together, a link may carry either a flow signal or a value between ports.

Note: Check out the Flow: Advanced section to learn more.

Link Rules

Outlined below are all the rules about creating a link between ports.

1. An In Port cannot be connected to itself or other In Ports, and an Out Port cannot be connected to itself or other Out Ports.

This is the most basic rule that concerns In Ports and Out Ports, the most general categories of ports. This rule is added to keep the Flow of the Script in one direction.

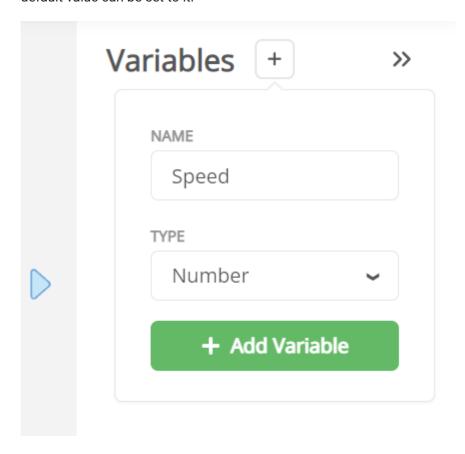
However, there is an exception. The In Ports of a Script – found on the left side of the Script View – can be connected to the In Ports of a node. Similarly, the Out Ports of a Script – found on the right side of the Script View – can be connected to the Out Ports of a node. This exception is done solely for ease of use. Although, this rule still applies the same way for Script's In Ports and Out Ports.

Variables

In Visual Scripting, a variable is used to store values into and read values from during the lifetime of a Script. The value is stored temporarily until the Script finishes running, and cannot be accessed from outside the Script. See the Use Cases and Limitations of variables to know more about what variables can and cannot do.

Creating Variables

Most interactions with variables are done in the Variables Panel on the right side of the Script View. A variable can be added by first clicking on the plus icon at the top of the Variables Panel, inputting a Name and variable Type, and finally clicking on the green + Add Variable button. Once a variable is added, depending on its type, a default value can be set to it.



Using Variables

Once a variable is created, it can be interacted with in the Script through these nodes:

• Get Variable Node - Gets the value stored in a variable and outputs it through its Value Output Port. The type of the Output Port depends on the type of the variable.

Analytics

In Visual Scripting, the analytics currently available are mainly to provide more information about your Game Offers and how they are performing. There are two kinds of analytics shown: User Counts and Game Offer Revenue from Purchases.

User Counts

The User Counts analytics can be seen on top of the links between Flow Ports. These counts show how many end users have gone through which nodes and taken which paths through your Scripts. The percentage next to the user count on a path is the percentage of end users that got through this path compared to the end users that entered this Script. These can be helpful when determining how many end users have purchased or declined an Offer.



Warning: Currently, if you have any link loops in your Script, the user count on the paths in these loops may exceed the number of end users entering the Script, causing them to have percentages greater than 100%. This is a known issue; we'll update this warning once this issue has been fixed.

Game Offer Revenue from Purchases

The Revenue from Purchases are only available and tracked for Activate Offer nodes. This analytics can be found next to the node's Purchased exit port. Once your Game Offers are being purchased and getting some revenue, the revenue will be shown here in USD.

All Nodes

Dynamic Nodes

Nodes in this category can change their ports depending on the option that you pick from the node's selection menu.

Operator

The Operator Node takes in the values from its Input Ports, A and B, processes them depending on the chosen operator, and outputs the resulting value into the Result Output Port. The operations that can be chosen are listed below.

Numbers

ADD

Returns the sum of the inputs A and B.

Example: **A** = 5; **B** = 10 **Result** = 15



SUBTRACT

Returns the difference between the inputs $\ A$ and $\ B$.

Example:

A = 5; B = 10

Result = -5

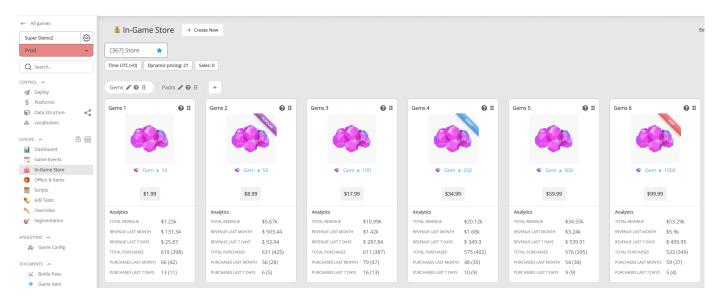
In-Game Store

The In-Game Store is the place to generate money for your game. A good store usually has a variety of items players need during the game. For the convenience of navigation, developers usually split all the content into different pages, such as Gems, Gold, Limited Offers, Super Packs, Event Items, etc. Each page contains several slots with different prices.

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Follow the instructions to add a Store to your game:

- 1. Add the **LiveOps** package to your game.
- 2. Open In-Game Store section from the navigation panel.
- 3. + Create New Game Store with as many pages and slots as you need.



You can preview your work using our Demo project. It should look like this:

A/B Tests

A/B testing allows developers to run a controlled experiment between two or more versions of something in their game to determine which one is more effective. Your audience is segmented into the control group (current performance – no changes) and your test group.

A/B testing is a great way to find the best pricing and game difficulty or test any of your hypotheses.

Before using, all A/B Tests must be added to the table.

Parameter	Description			
Name	The name of the Test.			
Groups	Each user gets one random group.			
Target Audience	The portion of your total users participating in the test.			
Users Type	Defines the kind of users to target the test: New, Old , or All . If the app is opened for the first time, the user is considered a new one until he restarts the app.			
Concurrent Test	Such test ignore the fact that some other tests can be active. All concurrent test will be activated for your users and won't affect Non-concurrent tests.			
Conditions	Conditions that are required to start the A/B Test. After A/B Test starts for a player, it won't be stopped for him even if the conditions turn to False.			
PrelnitLaunch	Defines if the A/B Test can be launched during Prelnit and before Balancy OnReadyCallback is executed. Read more here			

Segmentation

User segmentation is the process of separating users into distinct groups, or segments, based on shared characteristics. Developers might segment users based on language preferences, product version, geographical region, or user persona.

Balancy has several built-in segments:

Monetary

Defines how much in total the player has already paid in the game:

```
- Killer Whale ≥$1500
- Whale ≥$500
- Orca ≥$150
- Dolphin ≥$30
- Minnow ≥$1
- None $0
```

Frequency

Defines how often the player makes purchases.

```
- F0 (None)
- F1 (Daily)
- F3 (2-4 a Week)
- F7 (Weekly)
- F14 (Once per 2 Weeks)
- F30 (Monthly)
- F60 (Rarely)
```

Recency

Defines how much time passed since the last purchase.

```
None (never)
R0 (<1 day)
R1 (1-2 days)
R2 (2-7) days
R7 (7+ days)
```

MaxPay

Defines the maximum one-time payment the player can afford.

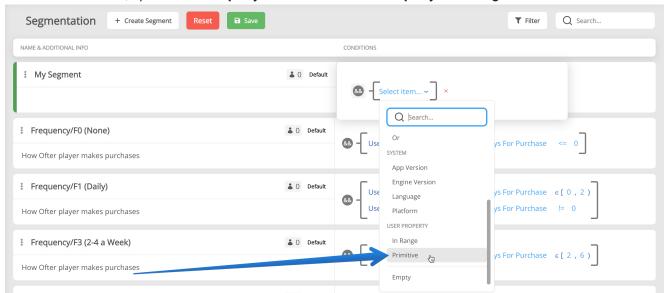
```
- $5
- $10
```

User Properties

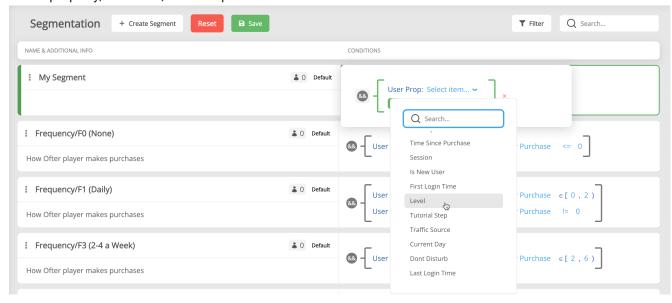
User Properties allow you to store specific parameters for each player, aiding in audience segmentation, triggering Game Events, and customizing game logic with Scripts.

Setting Up User Properties

1. For a new Condition, opt for User Property ➤ Primitive or User Property ➤ In Range:

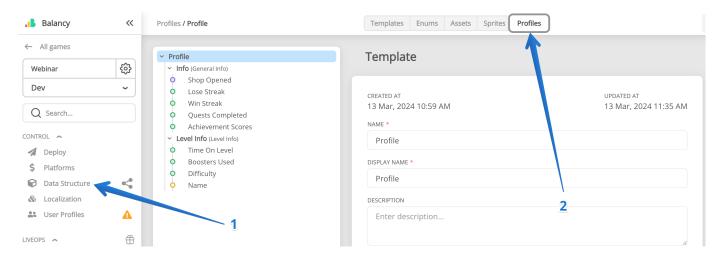


2. Pick a property, like Level, for example:



Profiles

Profiles introduce a dedicated section for creating and managing user profiles within Balancy.



Creating a structured, singular profile for each user is advised to house all necessary data efficiently. This organization is crucial for maintaining well-structured data, crucial for game development and operations.

Creating Profiles

- **Unlimited Profiles**: While Balancy allows the creation of unlimited profiles, a single, well-structured profile per user is recommended for simplicity and efficiency.
- Data Types Supported: Supports all primitive data types (string, int, float, etc.), lists, and Data. "Data" refers to your custom Template with its own parameters, facilitating organized data management beyond simple key-value pairs.

Technical Limitations

- First Layer Restrictions: Primitive data types cannot be added directly to the first layer of your Profile; only Data parameters are permitted here.
- **Data Size Limit**: Each Data parameter, including all its nested parameters, must not exceed 150Kb. This constraint is particularly important to consider for parameters storing lengthy strings.

Best Practices for Profiles

Profiles are pivotal for storing comprehensive player progress and data. To optimize profile utility and efficiency:

• **Data Segmentation**: Segregate stored parameters by their relevance and function. For instance, your profile might categorize data into QuestsProgress, GeneralInfo, Characters, Scenario, Level, etc.

Daily Bonus



In many video games, a daily bonus is a reward that a player can receive for logging in to the game daily. The reward can take many forms, such as in-game currency, items, or special perks. The purpose of the daily bonus is to encourage players to log in to the game regularly and keep playing. Some games may offer a different daily bonus each day to keep things interesting for players.

- 1. Open the Daily Bonus section.
- 2. Add at least one Daily Bonus document. You can have multiple Daily Bonuses for different segments of your players for testing, or you can change them during the players' progress in your game.
- 3. You can create multiple Daily Bonus documents, but since only one of them can be active, make sure the Conditions of those Daily Bonuses do not intersect. For example you might want to use one Daily Bonus calendar for players between 1-10 levels, and a completely another one for the 11-20 levels.

Advertising

1. After placing a rewarded video or any other Ad, you can track the revenue you made from it using the following method:

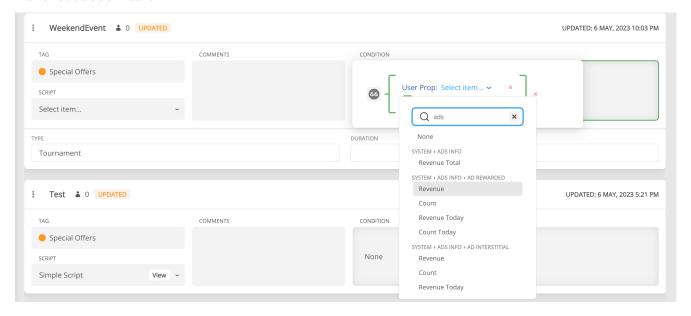
```
Balancy.LiveOps.Ads.TrackRevenue(<ad_type>, <revenue>, <placement>);
```

Balancy supports 3 types of Ads:

- Rewarded
- Interstitial
- Custom

You can use the **Custom** ad type for any ads, which don't fit into Rewarded or Interstitial.

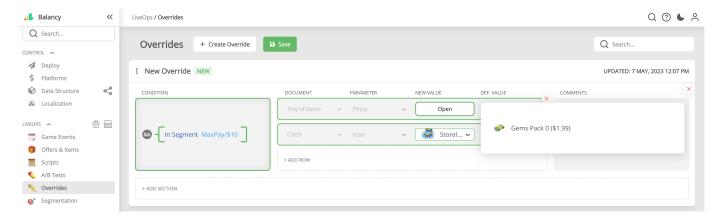
- 2. You can use the revenue earned or the amount of placed Ads in the Conditional Logic:
 - a. Select the Primitive User Property condition.
 - b. Choose ads metric.



3. You can use Ads in Visual Scripting to run your campaigns. For example: After watching 3 **Rewarded Videos** the player gets a **Starter Pack Hero** offer:

Overrides

This section allows you to change any parameters based on the conditions.



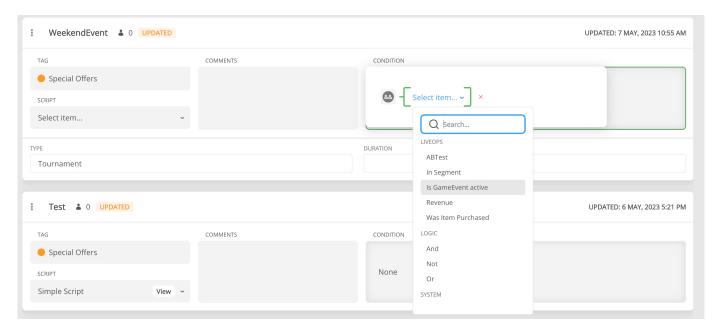
Examples:

- 1. You can change any **StoreItem** price during the weekend.
- 2. You can change Icons for items during the Halloween event.
- 3. You can change the script executing during the next event for paying customers.

Conditions

Conditional logic can be applied to any document. Currently, we use it to run GameEvents. Any condition starts with one of 2 logical operators **And / Or**. Then you can add any other types of conditions. The conditions can be as complex and nested as you want.

- Dates Range, Day Of The Week, and Time Of The Day are conditions based on a specific time.
- ABTest Condition checks if the user was assigned to a specific A/B Test and Variant.
- Active Event triggers only if the specified GameEvent is active right now.
- Segment Condition checks if the user belongs to a specific Segment.
- Revenue checks if the user has generated a specific amount of in-app/ads revenue(count) during certain days.
- · Was Item Purchased checks if a Storeltem was purchased.
- Primitive allows you to use any custom User Properties.

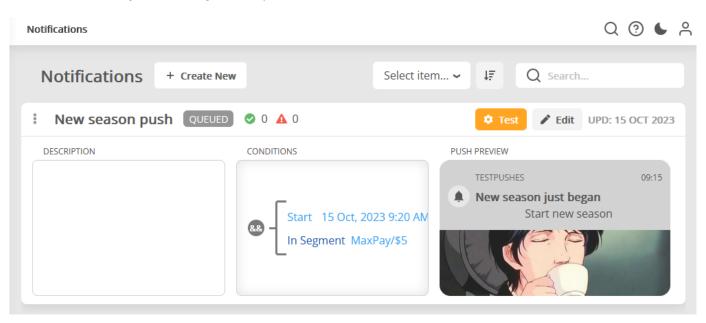


• Country checks if the user is from the specified country.

Note: Please use this **Country** condition under the **System** category instead of getting the custom Country User Property from **Primitive** condition.

Push notifications

This section allows you to manage server pushes.



You can schedule the sending of a push notification for a specific time and to a specific segment of players.



Requirements

- 1. Update unity plugin to the last version.
- 2. Send Firebase token to our server.
 - a. You can do it in Firebase callback Firebase.Messaging.FirebaseMessaging.TokenReceived +=
 OnTokenReceived:

```
public void OnTokenReceived(object sender, Firebase.Messaging.TokenReceivedEventArgs
token) {
    Balancy.LiveOps.Pushes.RegisterFirebaseToken(token.Token, data => {});
}
```

b. But sometimes this callback is called before you authorize in Balancy. So you can manually get and send token after the authorization:

Section for Programmers

To receive important LiveOps events, such as new Offer activate/deactivate, A/B test started, Segment changed, etc... follow the next steps:

1. Create a new class inherited from interface ISmartObjectsEvents. You can use our example SmartObjectsEventsExample.

```
using Balancy.Data;
using Balancy.Data.SmartObjects;
using Balancy.Models.SmartObjects;
using Balancy.SmartObjects;
using UnityEngine;
namespace Balancy
    //TOTO make your own version of this file, because the original file will be
overwritten after Balancy update
   public class SmartObjectsEventsExample : ISmartObjectsEvents
        public void OnSystemProfileConflictAppeared()
            Debug.Log("=> OnSystemProfileConflictAppeared");
            // System Profile is created and handled automatically. It contains Scripts
progress, active Events and Offers, information about A/B testing, Payments, Segmentations,
etc...
            // Balancy.LiveOps.Profile.SolveConflict(ConflictsManager.VersionType.Local);
            Balancy.LiveOps.Profile.SolveConflict(ConflictsManager.VersionType.Cloud);
        public void OnNewOfferActivated(OfferInfo offerInfo)
            Debug.Log("=> OnNewOfferActivated: " + offerInfo?.GameOffer?.Name +
" ; Price = " + offerInfo?.PriceUSD + " ; Discount = " + offerInfo?.Discount);
        public void OnNewOfferGroupActivated(OfferGroupInfo offerInfo)
            Debug.Log("=> OnNewOfferGroupActivated: " + offerInfo?.GameOfferGroup?.Name);
        public void OnOfferDeactivated(OfferInfo offerInfo, bool wasPurchased)
            Debug.Log("=> OnOfferDeactivated: " + offerInfo?.GameOffer?.Name + " ;
wasPurchased = " + wasPurchased);
        public void OnOfferGroupDeactivated(OfferGroupInfo offerInfo, bool wasPurchased)
            Debug.Log("=> OnOfferGroupDeactivated: " + offerInfo?.GameOfferGroup?.Name +
 ; wasPurchased = " + wasPurchased);
```

Template: Game Shop

Integrate a universal game shop into any game using this versatile template.



Getting Started

Follow these steps to implement the shop in your project:

1. Add Shop Template: Integrate the Shop Template into your Balancy project.

Game Shop: Prefabs and Classes Overview

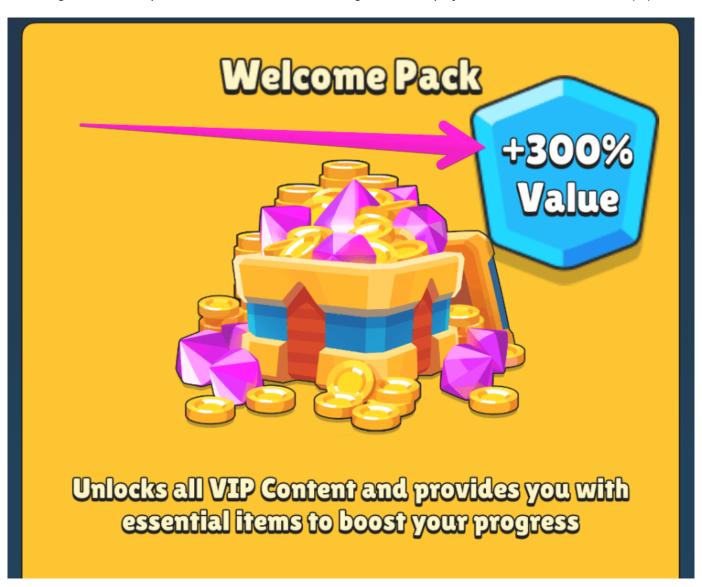
Explore the pre-built components and classes in Balancy's game shop, designed for optimal integration and customization.

Balancy Templates

Badge

• BalancyShop.Badge: Contains Sprite and Text information for badges.

The Badge is used as a parameter in UIStoreltem The badge can be displayed in the SlotView or OfferPopup:



Scripts for Shop

Show Offer Popup

A script that displays a random Available Offer as a Popup under these conditions:

- 1. Level-based Trigger: The popup appears every 5 levels.
- 2. Shop Exit Trigger: Activated when a player exits the shop without making any purchases.

This setup is just an example, and you are encouraged to modify the logic to suit your game's needs. Consider implementing a cooldown between popups to avoid overwhelming players with frequent offers.



The **RUN METHOD** node in the script triggers a C# method using reflection. Specify the full path to the static method you wish to execute in the input port, such as: BalancyShop.DemoUI.ShowRandomOffer.

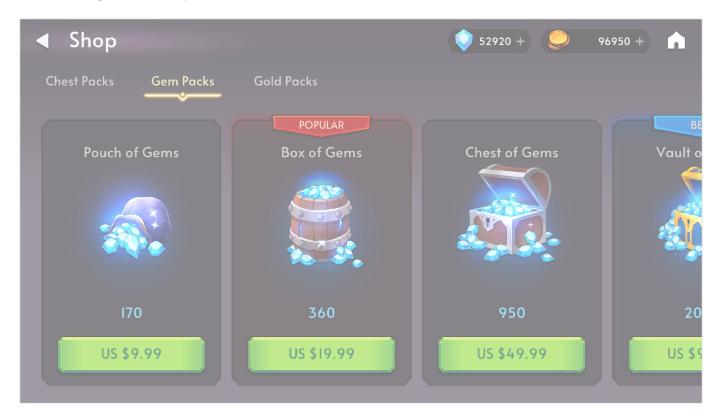
C# Method Implementation:

Here's the complete code for the ShowRandomOffer method:

```
using Balancy.Data.SmartObjects;
using Balancy.Models.GameShop;
using UnityEngine;

namespace BalancyShop
{
   public class DemoUI : MonoBehaviour
```

Balancy Example



Description

This Demo shows how to create a Store with Segmentation and launch personalized Special Offers.

ı

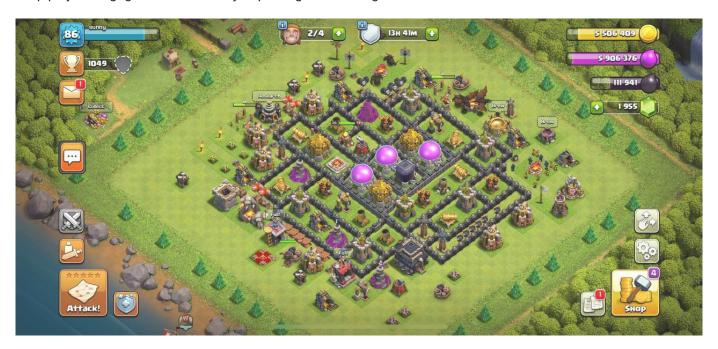
How to start

1. In the Balancy Dashboard, click on the **Templates**.

Template: Clash of Clans

Clash of Clans is a popular mobile strategy game developed and published by Supercell. It was first released for iOS devices in August 2012, followed by an Android release in October of the same year. The game has since become a worldwide phenomenon, with millions of active players across the globe.

In the game, players build and upgrade their village, train troops, and battle against other players to earn resources and increase their rank. The game's success is partly due to its addictive gameplay and regular updates, which keep players engaged and constantly improving their strategies.

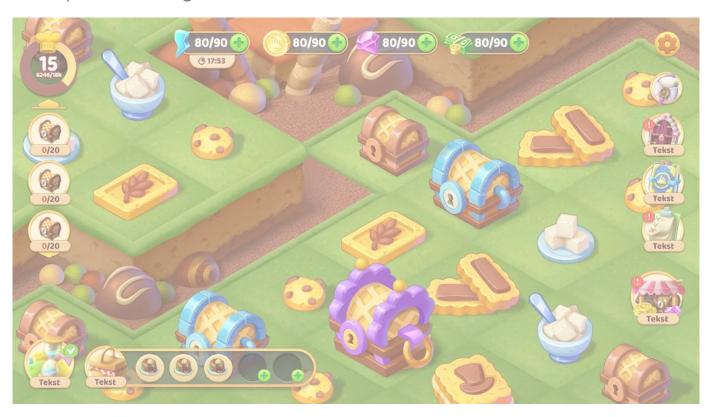


Clash of Clans has received numerous awards and has been downloaded over 500 million times from the Google Play Store alone. It has also spawned a massive esports scene, with professional players and teams competing in tournaments for cash prizes.

Store Template

Are you looking to create a store system like Clash of Clans in your game? Look no further than Balancy. Our team has thoroughly analyzed and reconstructed the data used by Clash of Clans to create their store system, and we've incorporated that knowledge into our platform. With Balancy, you can see how resources work and what formulas are used to determine their prices.

Template: Merge Game



Merge games - a captivating sub-genre of puzzle games where players combine identical items to create new, more advanced ones. These games have grown exponentially, captivating audiences with their intuitive mechanics and rewarding progression systems.

At the core of merge games are intricate items with unique attributes and functionalities. Some items can boost your progress, while others might be split, downgraded, or transformed in diverse ways. Given this complexity, developers often need help storing and managing these myriad items with varying settings.

To assist with this, we've crafted a comprehensive template to address many common questions and challenges you might face.

For more insights, don't hesitate to explore an article on our blog. While it discusses a solution tailored for survival games, the underlying principles are versatile and can be adapted for merge games.

Dive in, and equip yourself with the knowledge to take your merge game development to the next level!

Items

Items are the core of any merge game. Each item has a lot of parameters, but the most important one is **Item Effects**, here you define all unique features of each item.

Template: Wheel Of Fortune



The Wheel of Fortune mechanic in games involves a spinning wheel divided into different sections, each representing a prize, reward, or action. Players spin the wheel, and the section the wheel lands on determines what the player receives or has to do next. This mechanic is often used in games as a way to distribute random rewards and can add an element of luck and excitement to the gameplay.

Wheels

The Wheel Of Fortune template allows you to create multiple configs. You can provide different rules for each of the configs. The configs are called Documents in Balancy. One of the parameters in Wheel of Fortune is **Condition**. We are going to use it to give different configs for players, depending on their level, but you can come up with any other segmentation.

Wheel Of Fortune + Creat			· Create New	▼ Filter	Q Search	■ Columns
	ID :	Name :	Condition	Drop	Spins Per Day	Updated
	506 :	Start Wheel	War Prop: System ➤ General Info ➤ Level < 10	[505] Test Item x 5 Weight 100 [505] Test Item x 10 Weight 50 [505] Test Item x 20 Weight 20 [505] Test Item x 50 Weight 10 [505] Test Item x 100 Weight 20	3	26 Aug, 2023 5:45 PM
	539	End Game Wheel	War Prop: System → General Info → Level >= 10	[505] Test Item x 20 Weight 20 [505] Test Item x 50 Weight 10 [505] Test Item x 100 Weight 2	1	26 Aug, 2023 5:45 PM

Battle Pass System

The Battle Pass system is a popular monetization strategy in video games, especially in free-to-play online multiplayer games. It consists of a series of tiers with rewards that players can earn by completing specific challenges or tasks within the game.

Typically, there are two tracks in a Battle Pass: a free track and a premium track. The free track is available to all players and offers basic rewards, while the premium track offers more valuable and exclusive rewards but requires the player to purchase the Battle Pass with real money or in-game currency.

Players progress through the tiers of the Battle Pass by earning experience points (XP) or completing specific challenges. The more you play, the more rewards you unlock. Once the season ends, a new Battle Pass is released with a new set of rewards and challenges.

This system encourages continuous play and engagement with the game, as players are motivated to complete challenges and earn rewards before the season ends. It also provides a way for developers to monetize their game while offering value to the players.



In the example image above, you can see the two tracks of the Battle Pass. The top track is the premium track, which includes exclusive rewards such as skins, emotes, and in-game currency. The bottom track is the free track, which includes basic rewards such as experience points and consumable items. Players can progress through the tiers by earning experience points or completing challenges.

Interstitial Ad Strategy

Incorporating an effective ad strategy is pivotal for both enhancing user experience and ensuring monetization for developers. Drawing inspiration from a study by SuperSonic, this template introduces a dynamic interstitial ad strategy.

The core principle is to show ads infrequently at the initial stages, specifically every 90 seconds for users up to level 10. As players become more engaged and progress through the levels, the time between ads reduces. By the time players reach level 30, they encounter an ad every 30 seconds. Implementing this strategy has been shown to result in an approximate D7 ARPU increase of \sim 25%.

Features of the Template

Game Event: Trigger for the Infinite Script

A straightforward Game Event is employed, which instantaneously activates the Script.

Infinite Script Logic

This Script remains vigilant for changes in a player's level. Once a change is detected, it recalculates the **InterstitialAdsPeriod** value, adjusting the frequency of ads displayed.

Ad Watchers Conversion

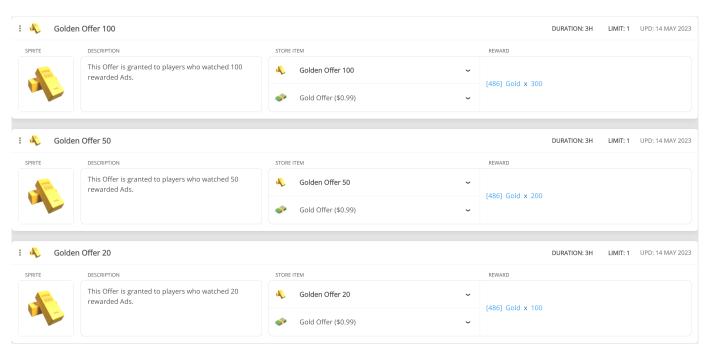
This Template's purpose is to convert your loyal customer, who watch a lot of rewarded ads, to your paying customer.

We are tracking how many rewarded ads a user has watched. Once they have watched 20 rewarded ads, they were exposed to a special offer at a good price. If they convert, we simply finish the script, our goal is achieved. If they don't make a purchase, we wait until they have watched 50 ads and make one more special offer for the same price, but higher value. We kept increasing the value until they finally convert into their first purchase in the game. And as you know, once users make their first purchase, they are more likely to make the second, third and so on.

What Template Includes

Game Offers

3 Offers with different value, but the same price of \$0.99. Each next offer is more valuable than the previous one.



Conversion Script

The script tracks the amount of rewarded ads watched and shows Offers at 20/50/100 ads.

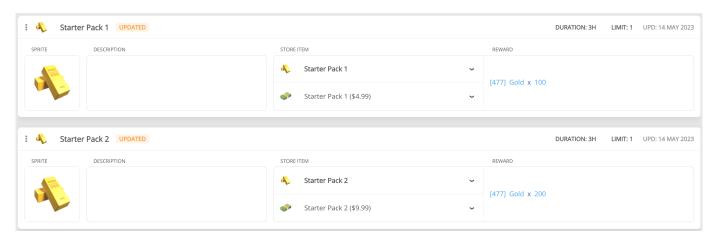
A/B Test + Starter Pack

The template has a Script that launches a Starter Pack offer via A/B Test.

What Template includes

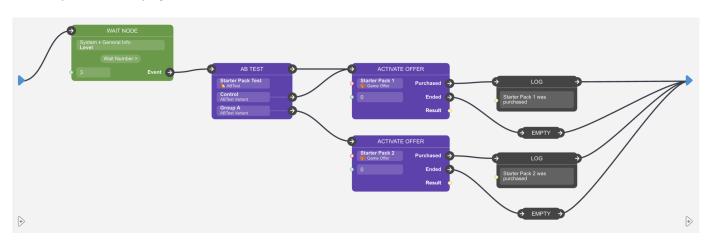
Game Offers

2 Offers with different value and price.



A Script

The script waits until player reaches level 3 and then Activates one of the offers.



Game Event

A simple event only launches the Script.

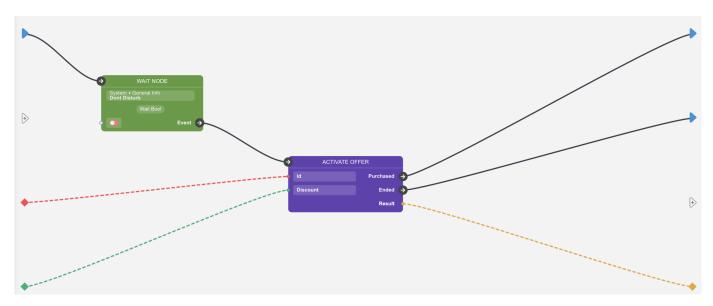
Don't Disturb

An example of usage of the Don't Disturb flag. With this flag, you can prevent Offers from appearing during the battle, or Activate offers only on the main screen.

What Template includes

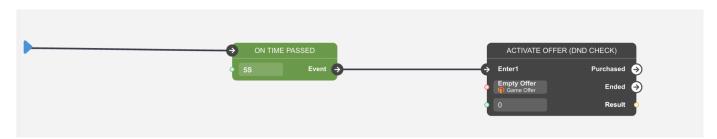
Activate Offer Script

A new version of a Script, which activates an offer, only when the **DontDisturb** flag is false.



Conversion Script

This script activates the offer using the script above, after 5 seconds of the gameplay.



Game Event

A simple event only launches the Script.

Content Management System

CMS (Content Management System) is an essential part of Balancy. It is used for creating data structure and editing the data. Balancy automatically delivers the newest data to the app and parses it to the convenient autogenerated code, so you can easily access it.

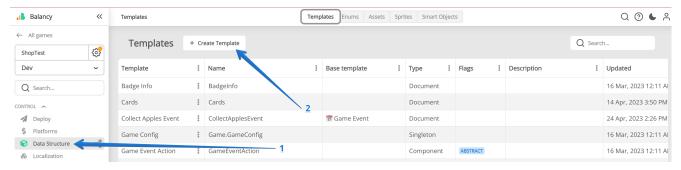
How Does it Work?

- 1. You can add all types of objects your game has: weapon, item, construction, monster, hero, location, etc...
- 2. You can add as many documents as possible for each type of object. Each document represents a unique weapon, item, construction, etc...
- 3. Open your project in Unity and start code generation requests. Balancy will automatically generate the code based on the data you provided.
- 4. Once the game is launched, all the game data is delivered to the game and already mapped to the generated code.
- 5. Your programmer has direct access to your game's items, weapons, and other objects. He doesn't have to write any code for downloading or parsing.
- 6. All changes in Balancy will be automatically synchronized with the game on launch. You must deploy changes.

Templates

Template describes the structure and behavior of your game object (item, monster, construction,...). As a programmer, you can think of it as a class. The template has to have a unique name and may contain a set of parameters.

 Open the Data Structure section, you'll land on the Templates subsection by default. Click on the Create Template button.



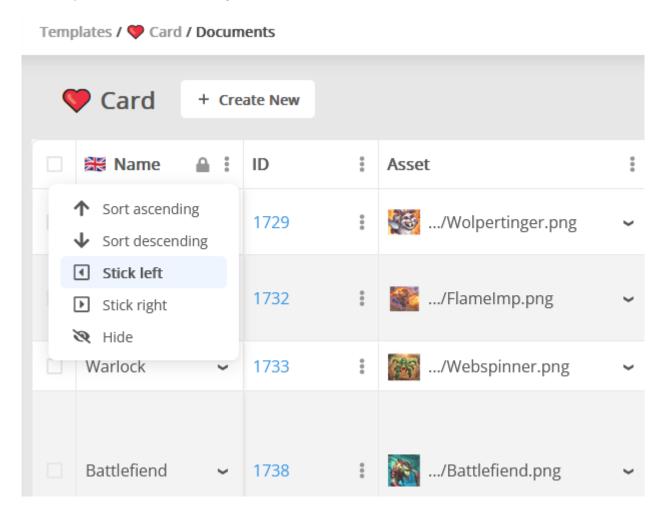
2. Each Template has several parameters.

Data Editor Tricks

Tables

Columns pining

You can pin columns into left or right.



Improved editing

You can navigate through cells via arrows, tab and enter buttons. Also, it's possible to copy-paste cells' values.

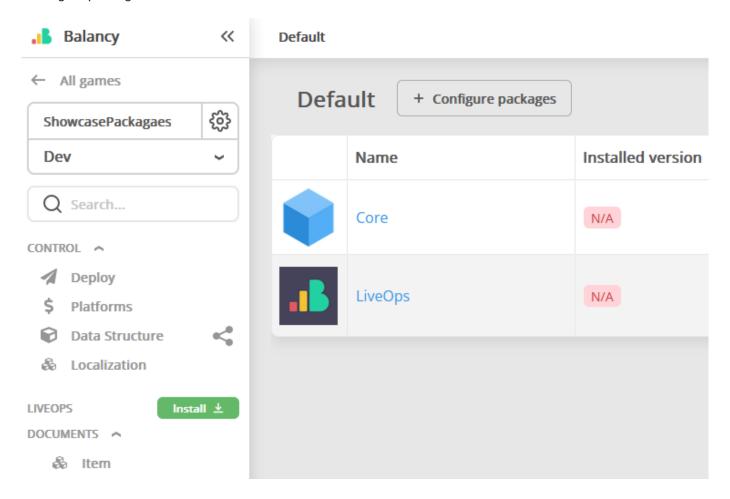
Packages

Balancy has packages/templates system similar to same systems on other platforms (e.g. Unity packages system). It allows you to install existing public packages and templates made by our team.

The most known and used public package is LiveOps package. It allows you to use additional features like segmentation, A/B Tests, game events, etc.

Private Packages

You can create your own private packages to use them in your projects. Open packages page and press "Configure packages".



After that create a new one.

Code Generation

Why do I need it?

It's a good question because many developers like to rewrite such things in every project.

Here are some reasons for you to consider:

- 1. Why would you spend your precious time on a monotonous job? Such things should've been automated a long time ago.
- 2. Human mistakes excluded. A game designer or programmer often misspells a word, and parsing doesn't work as expected. Such a problem might take some time to be found.
- 3. Whenever a game designer changes a parameter or a Template, all of that will be instantly reflected in the code after the generation. A programmer will remember to apply those changes.
- 4. Code generation is tightly connected with other Balancy excellent features, like Localization. Using them all together gives your team a huge boost.
- 5. You can remember JSONs and how to parse them. Balancy will do that for you, so you can only work with convenient classes.
- 6. When a document refers to another document, developers usually use some ID to create those links. Balancy will do that for you. It automatically resolves all links and gives you direct access to the Documents you expect.

How to generate code

- In Unity, select Tools ➤ Balancy ➤ Config, enter your email and password for balancy.dev, and press Generate Code button.
- 2. It might take some time, depending on your connection and the number of Templates you have.
- 3. Generated classes will be placed in Assets/Balancy/AutoGeneratedCode.
- 4. Please **DO NOT** change anything in this folder because your changes will be overwritten with the next generation.

How does it work inside?

Balancy server-generated JSON files based on your Documents and puts them in the CDN storage. Balancy plugin automatically checks for the updates of those JSON files and downloads only updated files. After that, it parses the data from JSON to the generated classes and finds all dependencies. The programmer doesn't have to download, parse, or understand JSON. There is also no need to find any links if any of the Documents refers to

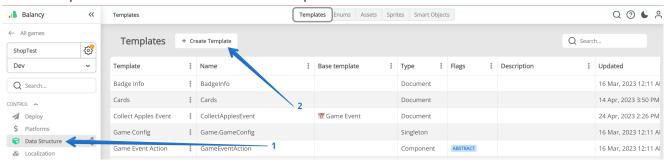
CMS Usage Example

In this example, I will show you how you can create a simple craft logic for your game. We will need just several Templates: Item, Recipe, and Ingredient. I assume you've read and implemented the basics for your game.

Here is the video of this tutorial.

Templates preparation

1. Select Templates Section and click on Create Template



- 2. Set Name as "Item" and leave other fields as default.
- 3. Add the following parameters:

· Name: (Type: String, Use in display name - YES)

Description: (Type: String)

- 4. Create another Template for Ingredients. We'll make it a Component for convenience.
 - · Name: Ingredient
 - · Type: Component
- 5. Add the following parameters:
 - Item: (Type: Document, Reference Template: Item)
 - · Count: (Type: Integer, Default value: 1)
- 6. The last template we going to need is a Recipe. Set Name as "Recipe" and leave other fields as default.
- 7. Add the following parameters:
 - Item: (Type: Document, Reference Template: Item)
 - Ingredients: (Type: List, List Type: Document, Reference Template: Ingredient)

Deploy

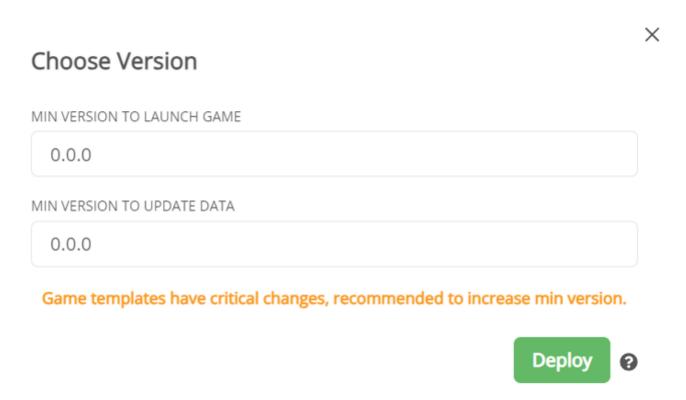
Whenever you change a Template or a Document in Balancy, it's saved on our servers to be available for your end users. You can compare all the changes you make in Balancy with commits in GIT, the only difference being that other Balancy users can see your commits.

When you are ready to publish (like Push in git) your changes for the end users, open the **Deploy** section in Balancy and click **Deploy** button. The process takes a few seconds and once it's completed you can launch your game in Unity and get all the updated data.

Bear in mind that you are Deploying only to the active Environment. If you want to Deploy the changes to the Stage or Production environments, please read the Environment page to know more about Data Migration.

Versions

Before you deploy the new data you can set a minimum version for your game and data:



If your game version (Unity ► Player Settings ► Version) is lower than any of those versions, the new data will NOT be downloaded.

Environment

We provide each game with 3 Environments: Development, Stage, and Production. It's a standard and commonly used approach.

- 1. Development used during the development process. All new features and bug fixes are created here.
- 2. **Stage** can be skipped by Indie developers. Big companies usually use it with their own QA department. This environment is used for testing all the features which were created before. A separate environment for testing is helpful because it doesn't require the development team to stop.
- 3. **Production** is where all your live clients play.

Workflow

- 1. New features are being developed and balanced in the **Development** environment.
- 2. Open the Environment section and migrate your **Development** data to the **Stage** environment once ready.
- 3. It'll erase all the changes you made in the Stage environment and copy everything from the Development.
- 4. Give the build connected to the Stage environment to your QA.
- 5. Once QA approves the build, transfer the data from **Stage** to **Production** and publish your game build (connected to the **Production**) in the stores.

Changing The Environment

You should try to avoid changing the environment in Balancy. In the best-case scenario, you must work in the **Development** and transfer the data to other environments.

However, there are situations when you need to change something in the **Production** environment.

Let's say you have published your game, and your users are playing in the **Production** environment. Then you find some bug in the balance, which you want to fix asap. Your team has already prepared many changes in the **Development**, so you can only migrate everything to the **Production** by updating the build. So the solution here is to switch to the **Production** environment in Balancy, fix your balance, and Deploy the changes. That's it! Remember to make the same changes in the **Development**.

Data Migration

In the Environment section, you can migrate your data

- 1. From **Development** to **Stage**
- 2. From Stage to Production

Display Format

Imagine you have a very complex structure of conditions based on Components. It should look something like this:



You can easily change how your components are displayed without changing the logic.



- 1. Open Template, which displays the view you want to change.
- 2. Select Use custom display format?
- 3. Display format becomes available for editing
- 4. Use the following code to customize the display:

Name	Description
{template.displayName}	Display Name of the component will be placed instead

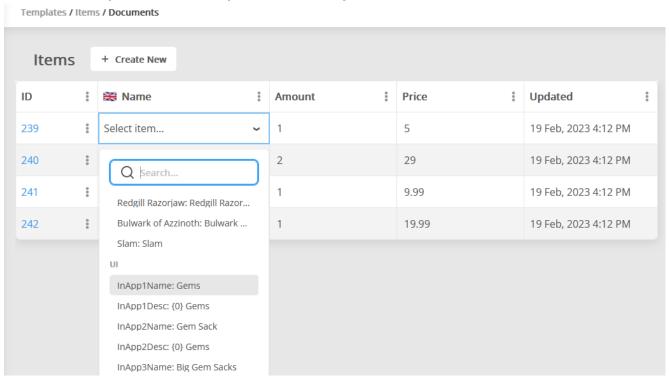
Localization

We let you import/export and work with all your localization in the Balancy.

When you create a new parameter, instead of selecting type **String**, make it **Localized String**. Whenever you try to access this parameter in the code, it'll instantly give you an already localized value.

Let's say you have a pair "Key": "LocalizedValue":

- 1. You create a new parameter with the type Localized String.
- 2. In the document, you create a new key or choose existing one.



3. When you access your parameter from the code, you will get **LocalizedValue** instead of **Key**.

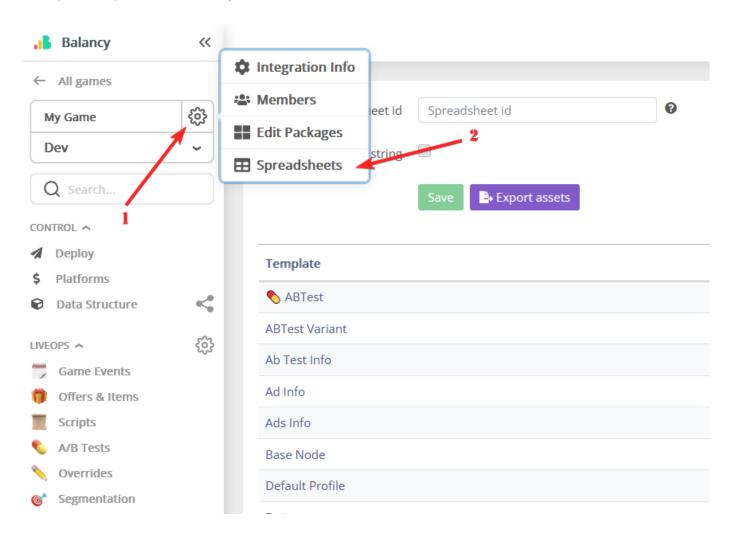
Spreadsheets

You may need to do additional data manipulation in Google Spreadsheets. You can set up import from them into Balancy and export from Balancy.

Suppose you plan to use Balancy for an existing game in which balance is stored in Spreadsheets. In that case, this feature helps import all the data into Balancy without filling everything manually.

Setup

- 1. Give write and read access to the service account by adding mail **google-sheets-api@balancy-334816.iam.gserviceaccount.com**.
- 2. Open the Spreadsheets settings window:



1. Copy the id from the address bar.

Authorization

Balancy's authentication methods are subject to updates to enhance versatility and, for certain platforms, processes may be automated for convenience.

Understanding Authentication

Balancy initializes with automatic user authentication via the device's unique ID, associating it with a guest account. This mechanism ensures persistent user progress, even across reinstallations, provided the device ID remains consistent.

Users have the option for further authentication methods, such as email or social media platforms, typically managed through FireBase. Post-authentication, these accounts can synchronize with Balancy using Balancy.Auth.WithName.

Authentication Scenarios:

- 1. Switching Accounts: To transition between Balancy accounts, follow these steps:
 - a. Sign out from the current Balancy session.
 - b. Utilize Balancy. Auth. With Name for re-authentication.
- 2. **Linking New Authentication Method:** Invoking Balancy. Auth. WithName can link a new authentication method. However, outcomes vary:
 - a. Should Balancy recognize it as a new authentication, the link is immediate.
 - b. If another user is already linked to this authentication, a conflict arises. You must then choose between the local profile or the one on Balancy's servers. Selection dictates whether the new method replaces the current link or if the local account updates to match the server's data.

Authorization Methods:

Name and Password

```
Balancy.Auth.WithName(<username>, <password>, authResponse =>
{
    Debug.Log("Authorized " + authResponse.Success);
    if (authResponse.Success)
        Debug.Log("User id: " + authResponse.UserId);
});
```

As a Guest using the Device ID

Payments

Setup

- 1. Open the **Platforms** section and add all the information about the Platform where the game is available. It's required to validate the purchases.
- 2. Open the **Products** section and fill in all the information about your game's products. In most cases, you need the main table. However, if you have a different product ID, Name, or Price for other platforms, you can use the **override** section for each of the platforms.

Products versioning

If you add/delete products on the products page, users will see these changes even without deploy.

The same applies to migration. Let's say you want to migrate from the stage to the production environment. But you deleted a product on stage. After the migration, all current users on production will see the new products list without the deleted product.



Make changes with care

Be specifically care when you delete products.

Where to find needed data for validation for specific platforms?

Google Play

For Android, we need a License key.

- 1. Open Play Console and select the app you want to find the license key for.
- 2. Go to the Monetization setup page (Monetize ► Monetization setup).
- 3. Your license key is under «Licensing».
- 4. To properly check if the test account made the payment, you need to give us access to service account.
 - Create a service account.
 - Link it to the google play dev account.

Requests, Response Data, and Errors

All Balancy methods are asynchronous with a callback as an argument, invoked once the method is complete. The callback parameter is inherited from ResponseData.

```
public class ResponseData {
    public bool Success;
    public Error Error;
    public object Data;
}

public class Error {
    public int Code;
    public string Message;
}
```

Response Example:

```
"success": true,
"error": {
    "code": 1,
    "message": "unknown error"
},
"data": //some data depending on the request
}
```

You need to check if Success is **true** to be sure that the request was successful and the Data is valid. Otherwise, you must read Error to understand what happened. Here is the list of errors that might occur:

```
public enum Errors {
    NotInitialized = -1,
    Unknown = 1,

    NoAccessToken = 1000,
    StorageRequestsMadeTooOften = 1001,
    NoSuchProduct = 1002,
    StorageError = 1003,

UnityPurchasing_PurchasingUnavailable = 1010,
    UnityPurchasing_NoProductsAvailable = 1011,
    UnityPurchasing_AppNotKnown = 1012,
    UnityPurchasing_ProductIsNotAvailable = 1013,
    UnityPurchasing_PurchaseFailed = 1014,

Nutaku_Error = 1100,
};
```

If everything is ok, you can read responseData.Data if needed.

Data Scheme

During the Deploy, Balancy generates JSON files and uploads them to our CDN. For each template, we create an individual file with the version suffix.

The main file, where you can find the latest versions for all the JSON, is located here:

```
https://cdn.unnychat.com/entities/{game_id}/{environment}/versions.json
```

Parameter	Description
{game_id}	guid of your game; You can find it the dashboard
{environment}	Environment: dev, stage, production

```
https://cdn.unnychat.com/entities/111111111-1111-1111-111111111111/dev/versions.json
```

Versions File Structure

The key dictionaries value contains the list of all the templates' info.

Smart Objects

Smart Objects help you create and work with player's progress. It's built on the top of the Storage, but has a lot of automations. For example it generates the code required to work with the profile, it automatically tracks the changes and saves them in the cloud. If there is no internet connection, profile will be saved locally, and synchronized with the cloud was the connection is restored.

Storage

Allows you to Save and Load any data on Balancy servers. Ensure to authorize the player (at least as a guest) before using the Storage because all records are connected to specific players.

General Information

Collections and Keys

Each player can have a set of Collections, and each collection can have a set of Keys. When you save to the Storage, you must specify a Collection and a key. However, to Load the data, there are two options:

- 1. Load a specific key from a specific collection
- 2. Load the whole collection.

You can think of a Collection as a Book, where a Key is a book chapter. You can have as many books as you want with many different chapters in each one. It's up to you what you want to write in each chapter.

Both Collection and Key are string values. Ensure you are loading from the Collection/Key pair you used to save your data.

For example

You might have a collection 'Player' with many keys: 'Inventory', 'Spells', 'Stats', etc... When one of the data changes, you need to update only a small portion, which will be stored in one key. But when you start a game, you can load the whole profile with all the keys

Versions

Another worth mentioning topic is **versions**. Balancy handles them automatically, but it would be better for you to understand how it works. Each record in the database has a version number, which increases every time you change the data. It's used to prevent using outdated data.

FAQ

How to Accelerate Balancy Launch Time?

Quick app launches are essential for a positive user experience, as delays can be off-putting. Balancy offers a solution for apps that can be launched offline, minimizing the impact of web requests on the initial user experience.

1. Pre-download Data:

• Prioritize downloading data before building your app.

2. Initialization with PreInit:

• During initialization of Balancy, use the parameter PreInit = PreInitType.LoadStaticDataAndLocalProfile. This approach ensures the app launches using locally available data.

3. Handling OnInitProgress Callback:

Monitor for two additional cases in the OnInitProgress callback:
 BalancyInitStatus.PreInitFromResourcesOrCache and BalancyInitStatus.PreInitLocalProfile.

 Full usage of Balancy functionalities is advisable after the latter status.

4. Background Initialization:

• Balancy continues to initialize in the background. Upon completion of online data and profile synchronization, the <code>OnReadyCallback</code> will notify you.

5. Conflicts Resolving:

• Make sure you are resolving conflicts using the method <code>OnSystemProfileConflictAppeared()</code>, most likely you need to choose the Cloud version:

 $Balancy. Live Ops. Profile. Solve Conflict (Conflicts Manager. Version Type. Cloud); \\.$

6. Immediate Functionality Post-PreInit:

• Most features, except A/B Tests, become operational immediately after

BalancyInitStatus.PreInitLocalProfile. To enable A/B Tests without awaiting full Balancy
initialization, set the A/B Test parameter PreInitLaunch to true. Bear in mind, you won't be able to
change any A/B Test parameters on the fly with this flag. You can only stop such a test or update it with
the next app release.

7. Final Initialization:

• Once all new updates form Balancy are downloaded and the cloud profile is loaded and synchronized with the local progress, AppConfig.OnReadyCallback and void OnSmartObjectsInitialized(); are invoked.

Release Notes

April 5, 2024 [Web]

Web

- · Added password recovery functionality.
- · Added possibility to authenticate via Google Auth and link Google Account on the profile page.
- · Fixed unnecessary reloading on deploy page.
- · Port name now is case-sensitive.
- The correct deploy number/version is now shown in history.

March 27, 2024 [Plugin 4.3.60, Web]

Web

- · Added Profile Field Long condition support.
- · Added Country condition.
- Improved deploy page: warning about deploy best practices and migration, now shows row for migration without deploy.

Plugin:

- · Added Profile Field Long condition support.
- · Added Country condition.

March 21, 2024 [Plugin 4.3.59, Web]

Web

- · Prevent changing localized string to string.
- Fixed issues with adding new shop params.

Plugin:

• Fixed dictionary check for cases when template was renamed.

March 18, 2024 [Web]

Web

Added tooltips for Offers Store Item buttons.