

BAINVENTORY - PROCESSES





Target of this Document

This is the second process map for starting a small RPG/Survival like on top of Unreal Lyra

The first focused on base processes and entities found in Lyra and ho integrate them. It can be found here

World Building
It will extend Lyra concepts as these aspects are not covered in the Ur Lyra demo

Videos

Inventory 01 - covering inventory strategy
Inventory Manager and Inventory Con

Inventory 02 - data driven ingest of **Dungsons&Dr**weapons, anatomy of the **BP_Item** class and how
create and use fragments
Inventory 03 - Common UI considerations, building
scrollable inventory and

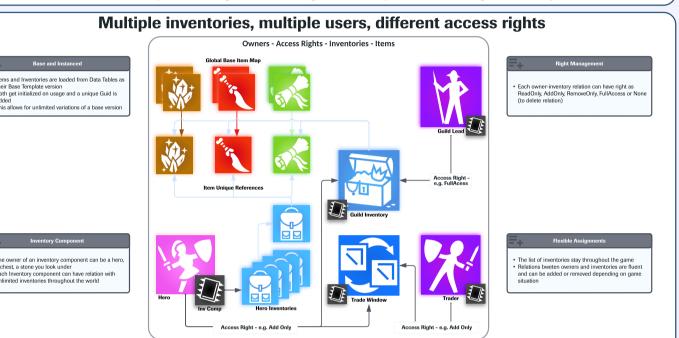
ITEMS AND INVENTORIES

Principles

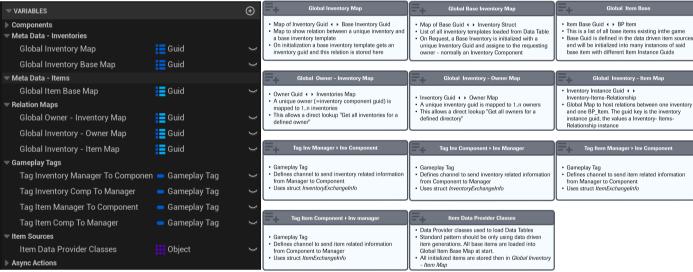
- All Item and Inventory processes are managed on Authority only
- Remote client only receives UI related information
- Scalability

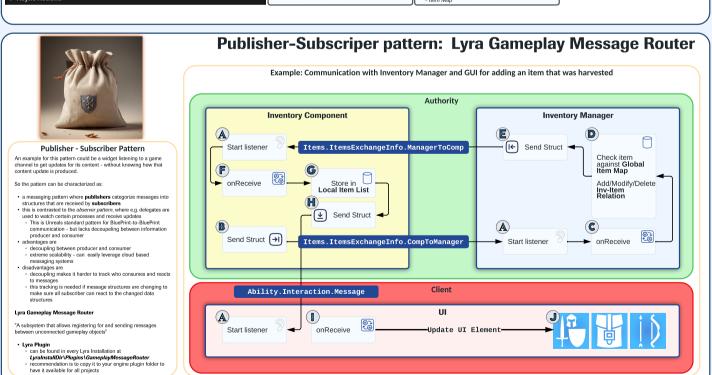
General principles - security

- All components are not directly coupled but message based
- High load data access is based on cached (Data Registries) or in-memory storage
- Owner can have multiple inventories permanent (equipment) or temporary (chest)
- Owner can have different access rights per inventory Add Only, Full Access, Read Only, ...
- Inventory can have multiple owner with different access levels
- Items
 - Items are always data driven via databases, data registries or data tables
 - Items are composed of fragments detailing different aspects (name, weight, durability, ...)



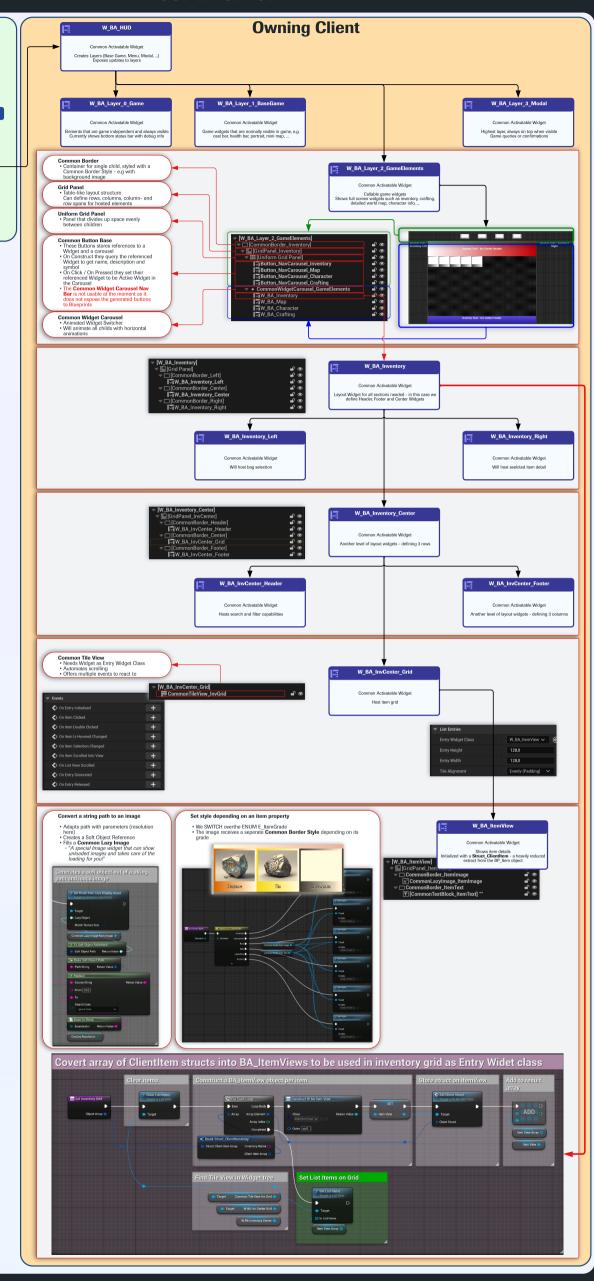


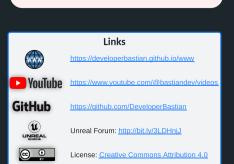




COMMON UI

Server





Use a Github client (e.g. TortoiseGit) to Clone the repository https://github.com/DeveloperBastian/BA_Inventory
Alternatively, you can just downlod the code as ZIP file if you don't want to keep it updated
This is a full demo project. The BA_Inventory plugin itself is a GameFeature plugin, so make sure to copy the folder /Plugins/GameFeatures/BA_InventoryAndItems to your new project if you want to reuse
I recommend to treat this plugin as mostly read-only to not mix your test work with the latest updates, but create a parallel one and share copy the content you need

How to use this plugin