
IntellectualServer

Manual

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Contents

1	Introduction	2
2	Development	3
2.1	Getting Started	3
2.1.1	Artifacts	3
2.1.2	Maven	3
2.1.3	Gradle	4

1 Introduction

IntellectualServer is a lightweight, innovative, portable and embeddable web server. The server is written entirely in Java (Java 8, to be exact). IntellectualServer is meant to be as versatile as it could possibly be, and it is intended to be used both as a library and as a standalone application.

This manual aims to provide the information necessary to **A:** install the web server as a standalone application, and **B:** use IntellectualServer in your own project.

2 Development

This section aims to provide further insight into how IntellectualServer is built, and how it can be implemented into programs. The library can be used as an embedded web server or a customizable standalone application. IntellectualServer also has a plugin system, that allows you to load JARs as plugins during runtime. This allows you to customize and extend IntellectualServer, without modifying the main executable.

2.1 Getting Started

It is highly recommended that you use a build manager when working with IntellectualServer. IntellectualServer uses JitPack¹ as its Maven repository.

2.1.1 Artifacts

IntellectualServer distributes a couple of different artifacts. This manual will focus on the API and the Implementation.

Use:

- ServerAPI, if you want to develop plugins or create your own server implementation
- Implementation, if you want to work with the standalone server or use the embedded server

2.1.2 Maven

You need to add JitPack to your repository list. This can be done as follows:

¹<https://jitpack.io>

```
<repositories>
  <repository>
    <id>jitpack.io</id>
    <url>https://jitpack.io</url>
  </repository>
</repositories>
```

Code Snippet 1: Add maven repository

Then you add the IntellectualServer artifact of your liking. The following example will load the Implementation:

```
<dependency>
  <groupId>com.github.IntellectualSites.IntellectualServer</groupId>
  <artifactId>Implementation</artifactId>
  <version>x.y.z</version>
</dependency>
```

Code Snippet 2: Add maven dependency

2.1.3 Gradle

You need to add JitPack to your repository list. This can be done as follows:

```
allprojects {
    repositories {
        ...
        maven { url 'https://jitpack.io' }
    }
}
```

Code Snippet 3: Add Gradle repository

Then you add the IntellectualServer artifact of your liking. The following example will load the Implementation:

```
dependencies {  
    compile group: 'com.github.IntellectualSites.IntellectualServer',  
            name: 'Implementation', version: 'x.y.z'  
}
```

Code Snippet 4: Add Gradle dependency

List of Code Snippets

1	Add maven repository	4
2	Add maven dependency	4
3	Add Gradle repository	4
4	Add Gradle dependency	5