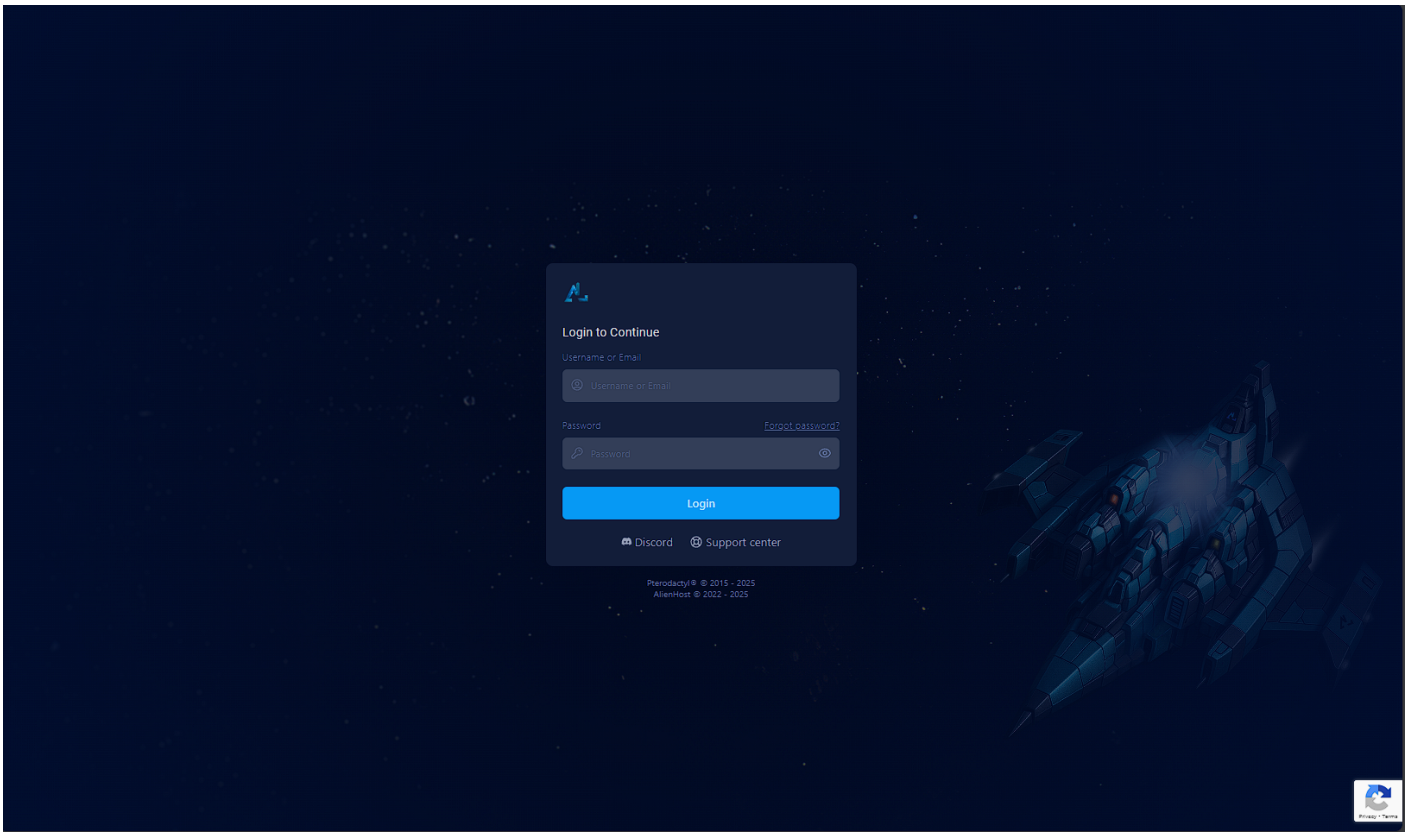
Geyser + Floodgate

- Standalone (Spigot & Forks)
- Velocity

Standalone (Spigot & Forks)

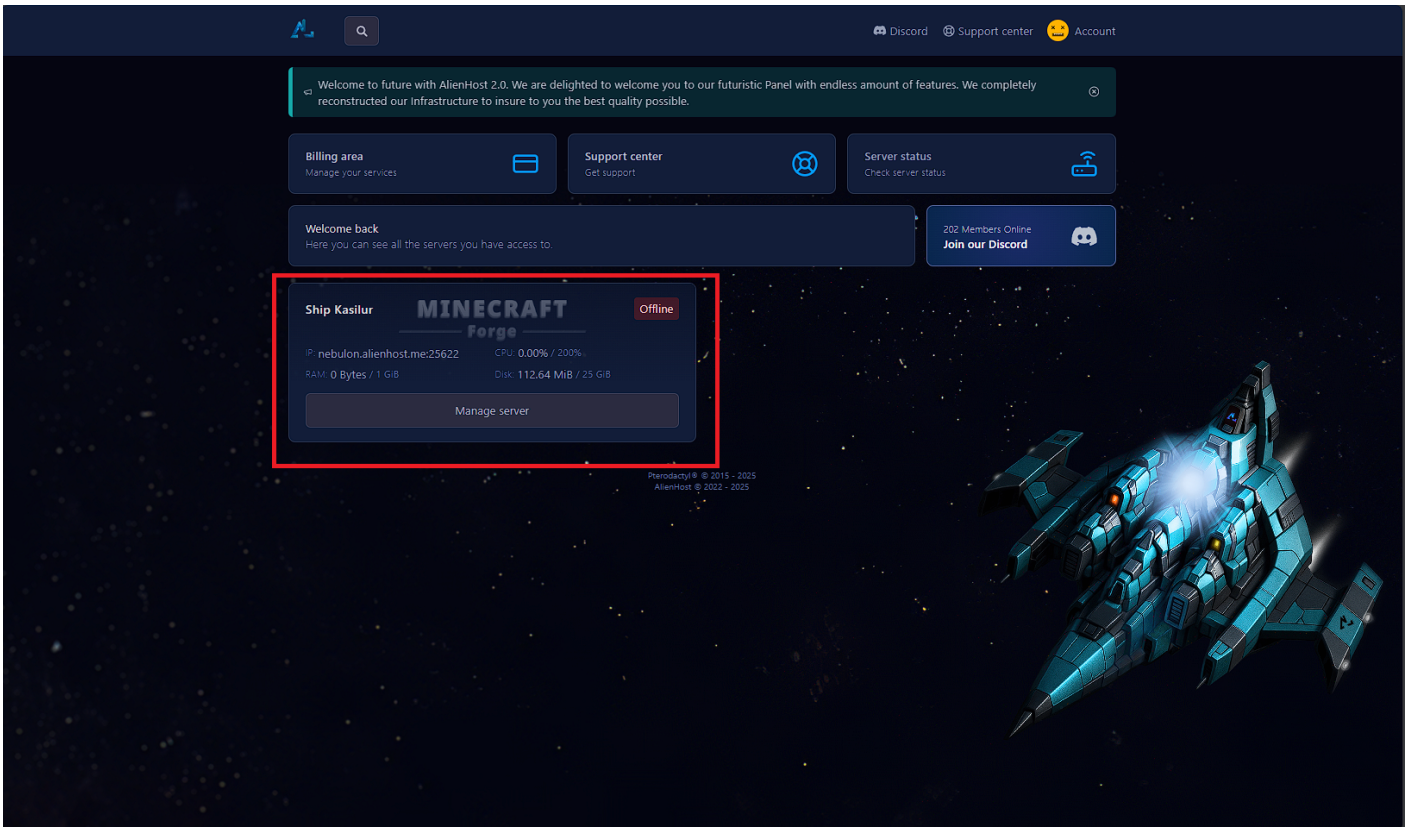
1. Login

Get started by logging into the panel here



2. Panel

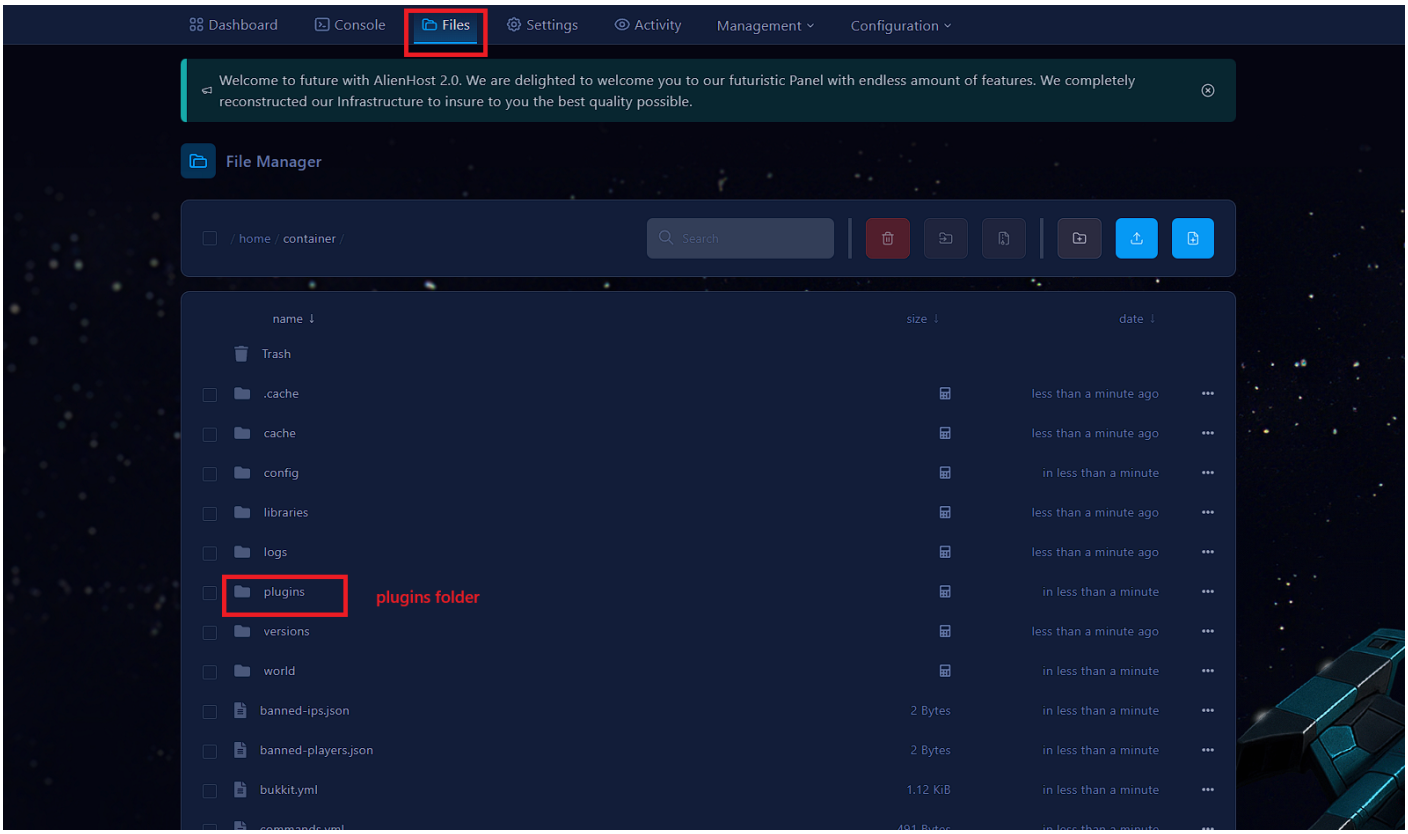
After you log into your account (or if you're already logged in), click on the server where you want to allow bedrock support.



3. Navigate to the directory

Begin by starting your server if it's not already running.

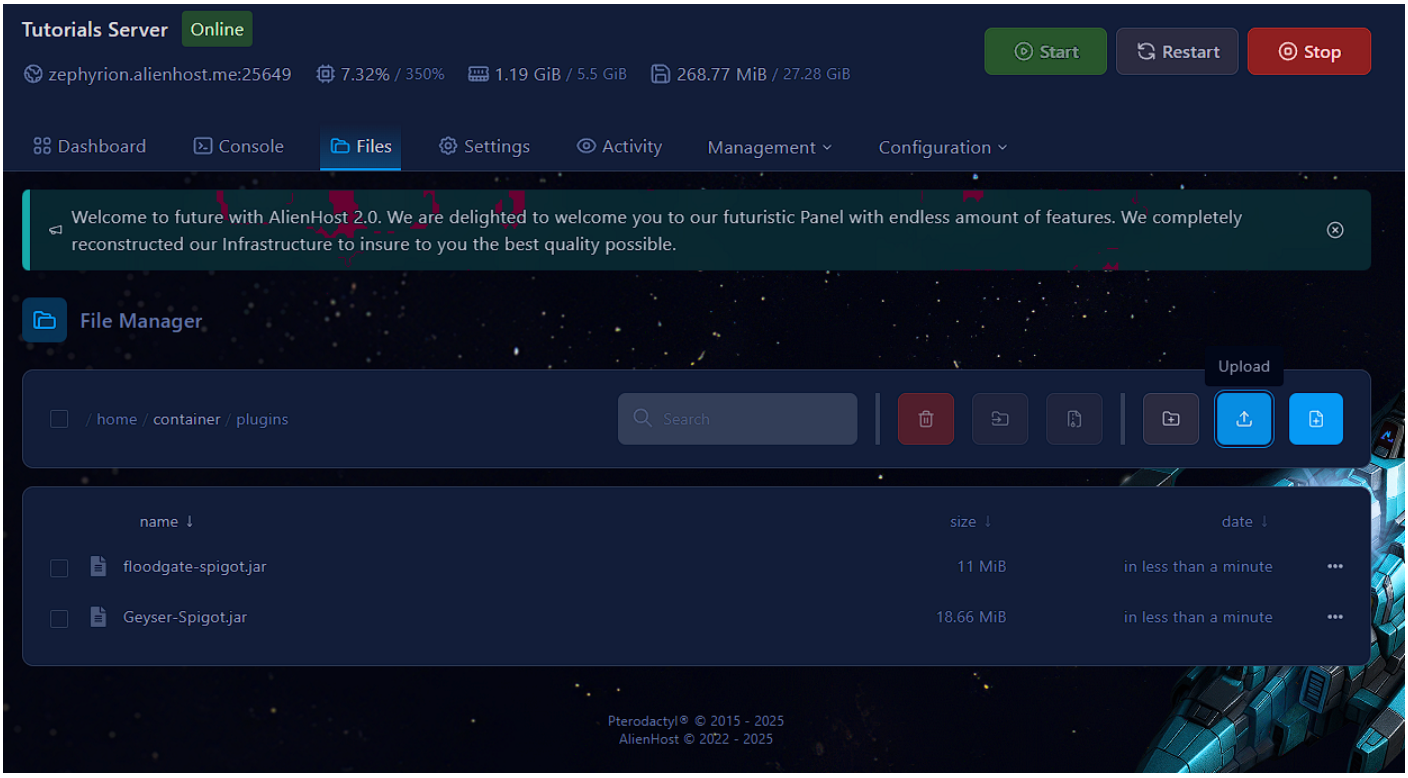
1. Next, go to the file manager.
2. Within the file manager, locate and navigate to the plugins folder



3a. Upload the files

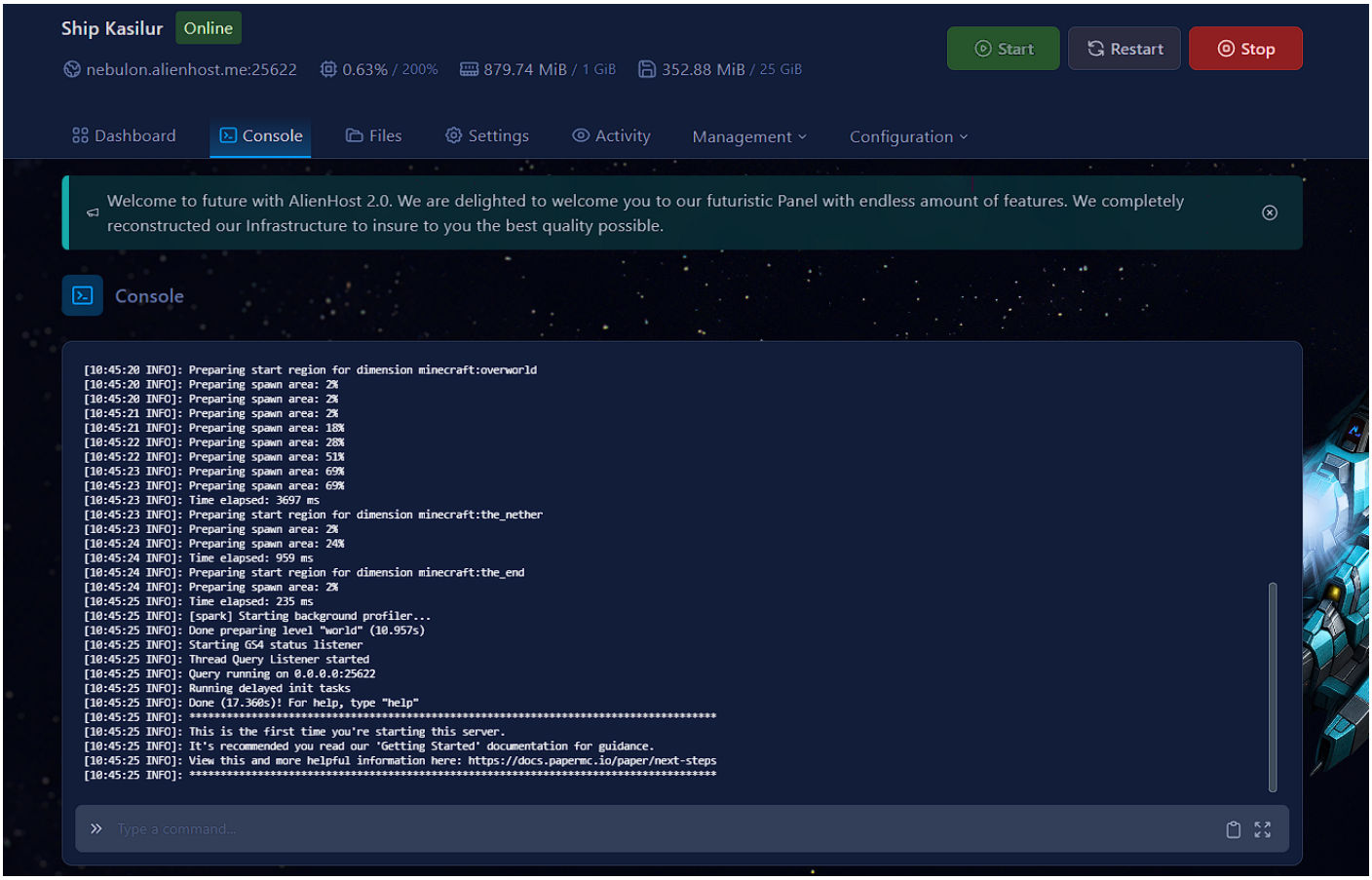
Inside the **plugins** folder, upload Geyser & Floodgate

1. To do this, click on the upload button (as shown in the picture below).
2. Once the upload is complete, the files will be visible in the file manager.



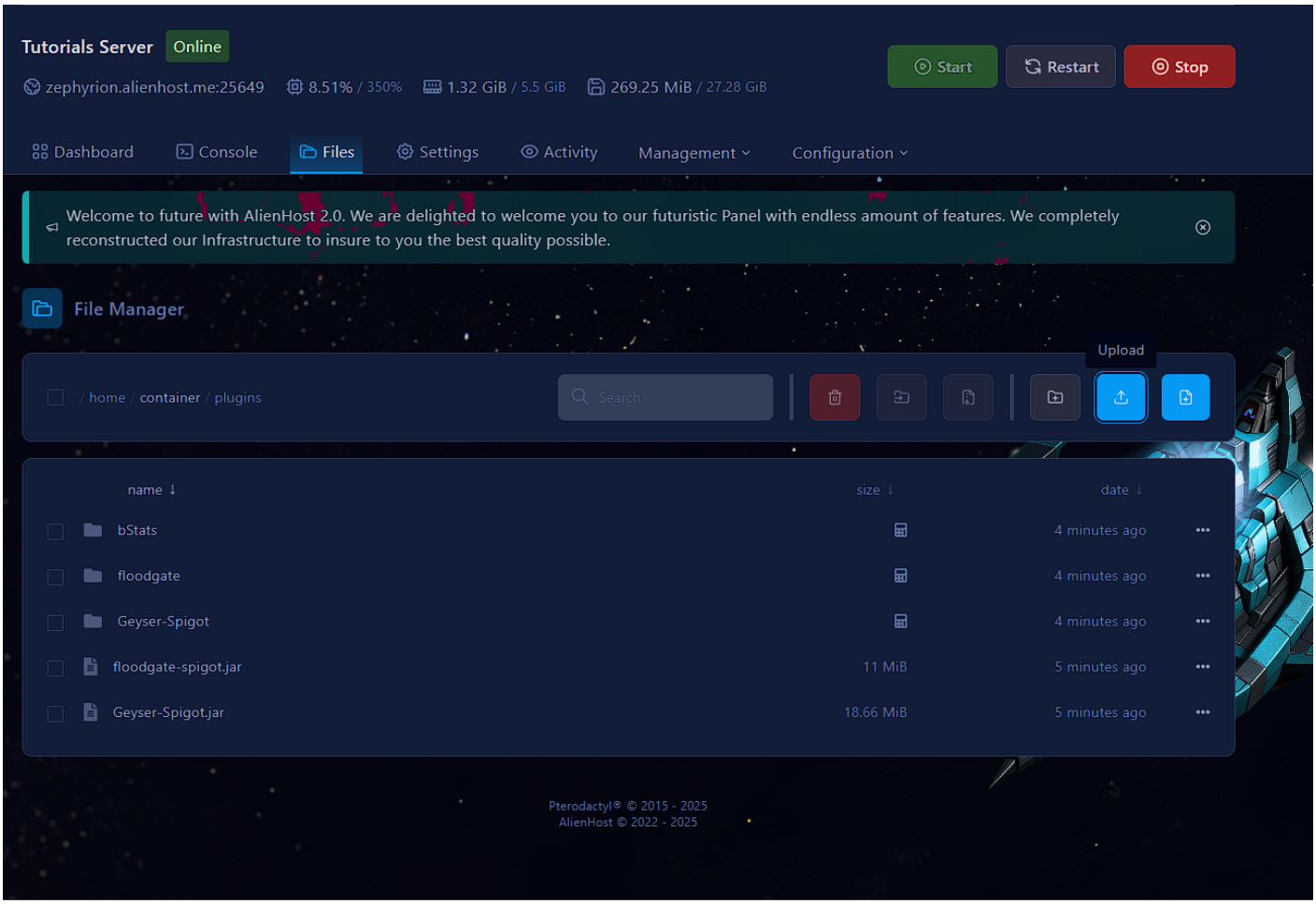
4. Restart the server

Return to the console and press the "restart" button. (to load the plugins folder)



5. Configure

Now, return to the plugins folder as you did in steps 3 and 3a. You will see two new folders named "Geyser-Spigot" and "floodgate".



5a. Geyser

Click on the folder labeled "Geyser-Spigot"

Inside, you will find a file named config.yml , open it

default config.yml

```
# ---------------------------------
# Geyser Configuration File
#
# A bridge between Minecraft: Bedrock Edition and Minecraft: Java Edition.
#
# GitHub: https://github.com/GeyserMC/Geyser
# Discord: https://discord.gg/geysermc
# Wiki: https://wiki.geysermc.org/
#
# NOTICE: See https://wiki.geysermc.org/geyser/setup/ for the setup guide. Many video
```

```
tutorials are outdated.
# In most cases, especially with server hosting providers, further hosting-specific
configuration is required.
# ------------------------------

bedrock:
  # The IP address that will listen for connections.
  # Generally, you should only uncomment and change this if you want to limit what IPs can
connect to your server.
  #address: 0.0.0.0
  # The port that will listen for connections
  port: 19132
  # Some hosting services change your Java port everytime you start the server and require
the same port to be used for Bedrock.
  # This option makes the Bedrock port the same as the Java port every time you start the
server.
  # This option is for the plugin version only.
  clone-remote-port: false
  # The MOTD that will be broadcasted to Minecraft: Bedrock Edition clients. This is
irrelevant if "passthrough-motd" is set to true
  # If either of these are empty, the respective string will default to "Geyser"
  motd1: "Geyser"
  motd2: "Another Geyser server."
  # The Server Name that will be sent to Minecraft: Bedrock Edition clients. This is
visible in both the pause menu and the settings menu.
  server-name: "Geyser"
  # How much to compress network traffic to the Bedrock client. The higher the number, the
more CPU usage used, but
  # the smaller the bandwidth used. Does not have any effect below -1 or above 9. Set to -
1 to disable.
  compression-level: 6
  # Whether to enable PROXY protocol or not for clients. You DO NOT WANT this feature
unless you run UDP reverse proxy
  # in front of your Geyser instance.
  enable-proxy-protocol: false
  # A list of allowed PROXY protocol speaking proxy IP addresses/subnets. Only effective
when "enable-proxy-protocol" is enabled, and
  # should really only be used when you are not able to use a proper firewall (usually
true with shared hosting providers etc.).
```

```
  # Keeping this list empty means there is no IP address whitelist.
  # Both IP addresses and subnets are supported.
  #proxy-protocol-whitelisted-ips: [ "127.0.0.1", "172.18.0.0/16" ]
remote:
  # The IP address of the remote (Java Edition) server
  # If it is "auto", for standalone version the remote address will be set to 127.0.0.1,
  # for plugin versions, it is recommended to keep this as "auto" so Geyser will
automatically configure address, port, and auth-type.
  # Leave as "auto" if floodgate is installed.
  address: auto
  # The port of the remote (Java Edition) server
  # For plugin versions, if address has been set to "auto", the port will also follow the
server's listening port.
  port: 25565
  # Authentication type. Can be offline, online, or floodgate (see
https://github.com/GeyserMC/Geyser/wiki/Floodgate).
  # For plugin versions, it's recommended to keep the `address` field to "auto" so
Floodgate support is automatically configured.
  # If Floodgate is installed and `address:` is set to "auto", then "auth-type: floodgate"
will automatically be used.
  auth-type: online
  # Allow for password-based authentication methods through Geyser. Only useful in online
mode.
  # If this is false, users must authenticate to Microsoft using a code provided by Geyser
on their desktop.
  allow-password-authentication: true
  # Whether to enable PROXY protocol or not while connecting to the server.
  # This is useful only when:
  # 1) Your server supports PROXY protocol (it probably doesn't)
  # 2) You run Velocity or BungeeCord with the option enabled in the proxy's main config.
  # IF YOU DON'T KNOW WHAT THIS IS, DON'T TOUCH IT!
  use-proxy-protocol: false
  # Forward the hostname that the Bedrock client used to connect over to the Java server
  # This is designed to be used for forced hosts on proxies
  forward-hostname: false

# Floodgate uses encryption to ensure use from authorised sources.
# This should point to the public key generated by Floodgate (BungeeCord, Spigot or
Velocity)
```

```
# You can ignore this when not using Floodgate.
# If you're using a plugin version of Floodgate on the same server, the key will
automatically be picked up from Floodgate.
floodgate-key-file: key.pem

# For online mode authentication type only.
# Stores a list of Bedrock players that should have their Java Edition account saved after
login.
# This saves a token that can be reused to authenticate the player later. This does not
save emails or passwords,
# but you should still be cautious when adding to this list and giving others access to
this Geyser instance's files.
# Removing a name from this list will delete its cached login information on the next
Geyser startup.
# The file that tokens will be saved in is in the same folder as this config, named
"saved-refresh-tokens.json".
saved-user-logins:
  - ThisExampleUsernameShouldBeLongEnoughToNeverBeAnXboxUsername
  - ThisOtherExampleUsernameShouldAlsoBeLongEnough

# Specify how many seconds to wait while user authorizes Geyser to access their Microsoft
account.
# User is allowed to disconnect from the server during this period.
pending-authentication-timeout: 120

# Bedrock clients can freeze when opening up the command prompt for the first time if
given a lot of commands.
# Disabling this will prevent command suggestions from being sent and solve freezing for
Bedrock clients.
command-suggestions: true

# The following three options enable "ping passthrough" - the MOTD, player count and/or
protocol name gets retrieved from the Java server.
# Relay the MOTD from the remote server to Bedrock players.
passthrough-motd: true
# Relay the player count and max players from the remote server to Bedrock players.
passthrough-player-counts: true
# Enable LEGACY ping passthrough. There is no need to enable this unless your MOTD or
player count does not appear properly.
```

```
# This option does nothing on standalone.
legacy-ping-passthrough: false
# How often to ping the remote server, in seconds. Only relevant for standalone or legacy
ping passthrough.
# Increase if you are getting BrokenPipe errors.
ping-passthrough-interval: 3

# Whether to forward player ping to the server. While enabling this will allow Bedrock
players to have more accurate
# ping, it may also cause players to time out more easily.
forward-player-ping: false

# Maximum amount of players that can connect. This is only visual at this time and does
not actually limit player count.
max-players: 100

# If debug messages should be sent through console
debug-mode: false

# Allow third party capes to be visible. Currently allowing:
# OptiFine capes, LabyMod capes, 5Zig capes and MinecraftCapes
allow-third-party-capes: false

# Allow third party deadmau5 ears to be visible. Currently allowing:
# MinecraftCapes
allow-third-party-ears: false

# Allow a fake cooldown indicator to be sent. Bedrock players otherwise do not see a
cooldown as they still use 1.8 combat.
# Please note: if the cooldown is enabled, some users may see a black box during the
cooldown sequence, like below:
#
https://cdn.discordapp.com/attachments/613170125696270357/957075682230419466/Screenshot_fr
om_2022-03-25_20-35-08.png
# This can be disabled by going into Bedrock settings under the accessibility tab and
setting "Text Background Opacity" to 0
# This setting can be set to "title", "actionbar" or "false"
show-cooldown: title
```

```
# Controls if coordinates are shown to players.
show-coordinates: true

# Whether Bedrock players are blocked from performing their scaffolding-style bridging.
disable-bedrock-scaffolding: false

# If set, when a Bedrock player performs any emote, it will swap the offhand and mainhand items, just like the Java Edition keybind
# There are three options this can be set to:
# disabled - the default/fallback, which doesn't apply this workaround
# no-emotes - emotes will NOT be sent to other Bedrock clients and offhand will be swapped. This effectively disables all emotes from being seen.
# emotes-and-offhand - emotes will be sent to Bedrock clients and offhand will be swapped
emote-offhand-workaround: "disabled"

# The default locale if we dont have the one the client requested. Uncomment to not use the default system language.
# default-locale: en_us

# Specify how many days images will be cached to disk to save downloading them from the internet.
# A value of 0 is disabled. (Default: 0)
cache-images: 0

# Allows custom skulls to be displayed. Keeping them enabled may cause a performance decrease on older/weaker devices.
allow-custom-skulls: true

# The maximum number of custom skulls to be displayed per player. Increasing this may decrease performance on weaker devices.
# Setting this to -1 will cause all custom skulls to be displayed regardless of distance or number.
max-visible-custom-skulls: 128

# The radius in blocks around the player in which custom skulls are displayed.
custom-skull-render-distance: 32

# Whether to add any items and blocks which normally does not exist in Bedrock Edition.
# This should only need to be disabled if using a proxy that does not use the "transfer
```

```
packet" style of server switching.
# If this is disabled, furnace minecart items will be mapped to hopper minecart items.
# Geyser's block, item, and skull mappings systems will also be disabled.
# This option requires a restart of Geyser in order to change its setting.
add-non-bedrock-items: true

# Bedrock prevents building and displaying blocks above Y127 in the Nether.
# This config option works around that by changing the Nether dimension ID to the End ID.
# The main downside to this is that the entire Nether will have the same red fog rather
than having different fog for each biome.
above-bedrock-nether-building: false

# Force clients to load all resource packs if there are any.
# If set to false, it allows the user to connect to the server even if they don't
# want to download the resource packs.
force-resource-packs: true

# Allows Xbox achievements to be unlocked.
# THIS DISABLES ALL COMMANDS FROM SUCCESSFULLY RUNNING FOR BEDROCK IN-GAME, as otherwise
Bedrock thinks you are cheating.
xbox-achievements-enabled: false

# Whether player IP addresses will be logged by the server.
log-player-ip-addresses: true

# Whether to alert the console and operators that a new Geyser version is available that
supports a Bedrock version
# that this Geyser version does not support. It's recommended to keep this option enabled,
as many Bedrock platforms
# auto-update.
notify-on-new-bedrock-update: true

# Which item to use to mark unavailable slots in a Bedrock player inventory. Examples of
this are the 2x2 crafting grid while in creative,
# or custom inventory menus with sizes different from the usual 3x9. A barrier block is
the default item.
unusable-space-block: minecraft:barrier

# bStats is a stat tracker that is entirely anonymous and tracks only basic information
```

```
# about Geyser, such as how many people are online, how many servers are using Geyser,
# what OS is being used, etc. You can learn more about bStats here: https://bstats.org/.
# https://bstats.org/plugin/server-implementation/GeyserMC
metrics:
  # If metrics should be enabled
  enabled: true
  # UUID of server, don't change!
  uuid: 638741bf-5803-41be-92a9-7e8677e7a73c

# ADVANCED OPTIONS - DO NOT TOUCH UNLESS YOU KNOW WHAT YOU ARE DOING!

# Geyser updates the Scoreboard after every Scoreboard packet, but when Geyser tries to
handle
# a lot of scoreboard packets per second can cause serious lag.
# This option allows you to specify after how many Scoreboard packets per seconds
# the Scoreboard updates will be limited to four updates per second.
scoreboard-packet-threshold: 20

# Allow connections from ProxyPass and Waterdog.
# See https://www.spigotmc.org/wiki/firewall-guide/ for assistance - use UDP instead of
TCP.
enable-proxy-connections: false

# The internet supports a maximum MTU of 1492 but could cause issues with packet
fragmentation.
# 1400 is the default.
mtu: 1400

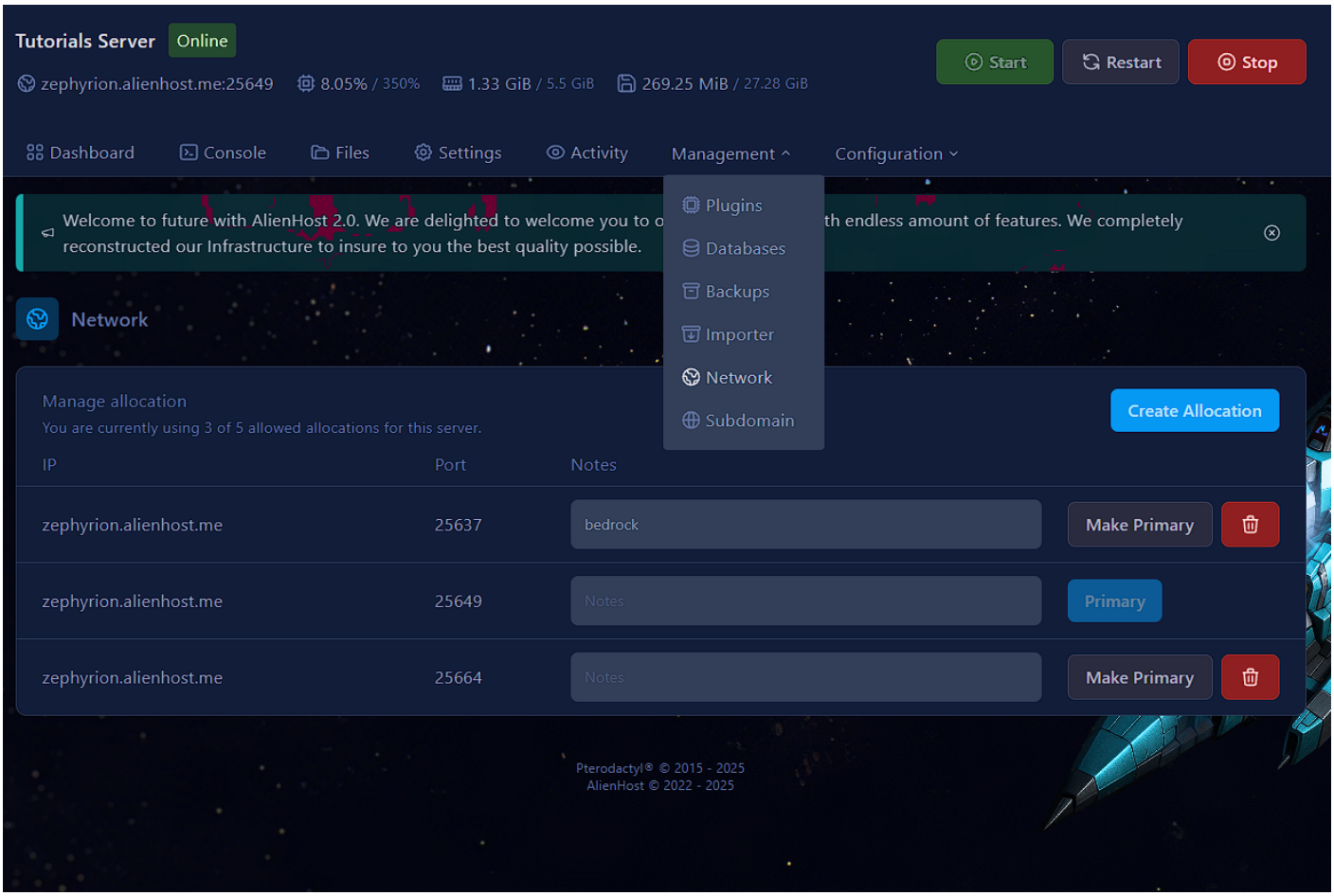
# Whether to connect directly into the Java server without creating a TCP connection.
# This should only be disabled if a plugin that interfaces with packets or the network
does not work correctly with Geyser.
# If enabled on plugin versions, the remote address and port sections are ignored
# If disabled on plugin versions, expect performance decrease and latency increase
use-direct-connection: true

# Whether Geyser should attempt to disable compression for Bedrock players. This should be
a benefit as there is no need to compress data
# when Java packets aren't being handled over the network.
# This requires use-direct-connection to be true.
```

```
disable-compression: true


config-version: 4
```

what you want to modify is the port variable (line 19) to your allocated port in the network tab, [here a tutorial on how to]



the auth-type variable (line 53) should be set to "floodgate".

Now you are done, try & join

Velocity

> Make sure to not be using "NONE" forwarding. You'll need an extra port for this tutorial

1. On Velocity

Go in your file manager

Go in plugins folder, upload GeyserMC and Floodgate

Restart the server

Go back in the plugins folder

Click on the "Geyser-Velocity" folder

in the Geyser folder, click on config.yml

in bedrock.port set that to your extra port

then, scroll down to remote.auth-type

set auth-type to floodgate.

In floodgate:

set set-floodgate-data to true.

2. On Backend (Spigot/Paper)

On all of your backend servers, upload Floodgate-Spigot in the plugins folder

restart the server to load the plugin

download the key.pem from Velocity's Floodgate

upload the downloaded key.pem in the Floodgate-Spigot's folder (on your backend)