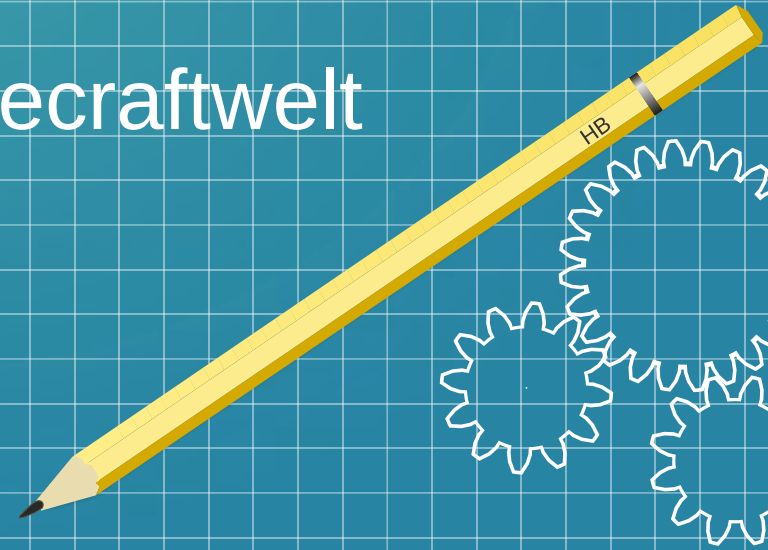
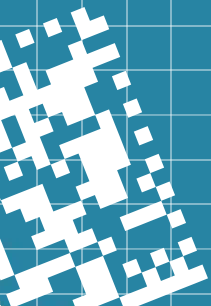
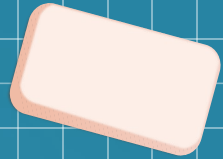
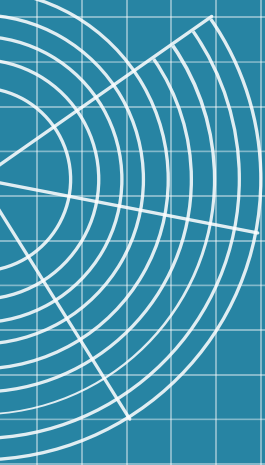


Ore Generation

Eigene Blöcke in der Minecraftwelt





Features und Biome Modifications

- Configured Features – Was ersetzen?
- Placed Features – Wo platzieren?
- Biome Modifications – Registrieren



Configured Feature

- Generieren über Webseite:

<https://misode.github.io/worldgen/feature/>

data/gtagdp/worldgen/configured_feature/ruby_ore_cf.json

```
{ "type": "minecraft:ore",  
  "config": {  
    "discard_chance_on_air_exposure": 0.0,  
    "size": 20,  
    "targets": [{  
      "state": { "Name": "gtagdp:ruby_ore" },  
      "target": {  
        "predicate_type": "minecraft:tag_match",  
        "tag": "minecraft:stone_ore_replaceables" } }, {  
      "state": { "Name": "gtagdp:ruby_deepslate_ore" },  
      "target": {  
        "predicate_type": "minecraft:tag_match",  
        "tag": "minecraft:deepslate_ore_replaceables" } } ] } }
```



Registrieren des Configured Feature

```
package de.jottyfan.gta.gdp.world;

import de.jottyfan.gta.gdp.GTAGDP;

* @author jotty

public class ModConfiguredFeatures {

    public static final RegistryKey<ConfiguredFeature<?, ?>> RUBY_ORE_CF = registerKey("ruby_ore_cf");

    public static RegistryKey<ConfiguredFeature<?, ?>> registerKey(String name) {
        return RegistryKey.of(RegistryKeys.CONFIGURED_FEATURE, Identifier.of(GTAGDP.MOD_ID, name));
    }
}
```





Placed Feature

- Generieren über Webseite:

<https://misode.github.io/worldgen/placed-feature/>

- data/gtagdp/worldgen/placed_feature/ruby_ore_pf.json

```
{ "feature": "gtagdp:ruby_ore_cf",  
  "placement": [{  
    "type": "minecraft:count",  
    "count": 16 }, {  
    "type": "minecraft:in_square" }, {  
    "type": "minecraft:height_range",  
    "height": {  
      "type": "minecraft:trapezoid",  
      "max_inclusive": { "absolute": 80 },  
      "min_inclusive": { "absolute": -80 } } }, {  
    "type": "minecraft:biome" } ] }
```

Registrieren des Placed Feature

```
package de.jottyan.gta.gdp.world;

import de.jottyan.gta.gdp.GTAGDP;

* @author jotty
public class ModPlacedFeatures {

    public static final RegistryKey<PlacedFeature> RUBY_ORE_PF = registerKey("ruby_ore_pf");

    public static RegistryKey<PlacedFeature> registerKey(String name) {
        return RegistryKey.of(RegistryKeys.PLACED_FEATURE, Identifier.of(GTAGDP.MOD_ID, name));
    }
}
```

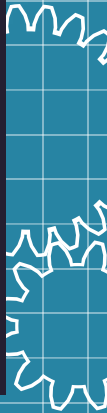
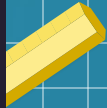



Biome modification

```
package de.jottyfan.gta.gdp.world.gen;

import de.jottyfan.gta.gdp.world.ModPlacedFeatures;

* @author jotty
public class ModOreGeneration {
    public static void generateOres() {
        BiomeModifications.addFeature(BiomeSelectors.foundInOverworld(),
            GenerationStep.Feature.UNDERGROUND_ORES,
            ModPlacedFeatures.RUBY_ORE_PF);
    }
}
```

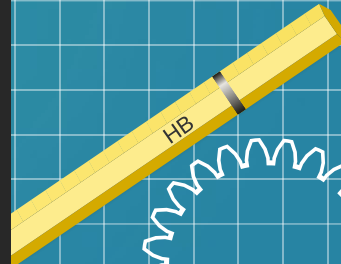




Anbindung der OreGeneration

- In GTAGDP.java

```
@Override  
public void onInitialize() {  
    ModItems.registerModItems();  
    ModBlocks.registerModBlocks();  
    ModOreGeneration.generateOres();  
}
```





Arbeit sichern

- Git add, git commit & git push