

# Minecraft How2Server



# Agenda:

- Vorstellungsrunde
- Technische Vorbereitung
- Was ist eigentlich ein Server?
- Was ist Crafty?
- Crafty Installation
- Minecraft Java Server
- Minecraft Bedrock Server
- Backups
- Grundlagen zur Sicherheit





**I DO**

Ich führe die Schritte vor.  
Du schaust zu.



**WE DO**

Wir gehen die Schritte  
gemeinsam durch.



**YOU DO**

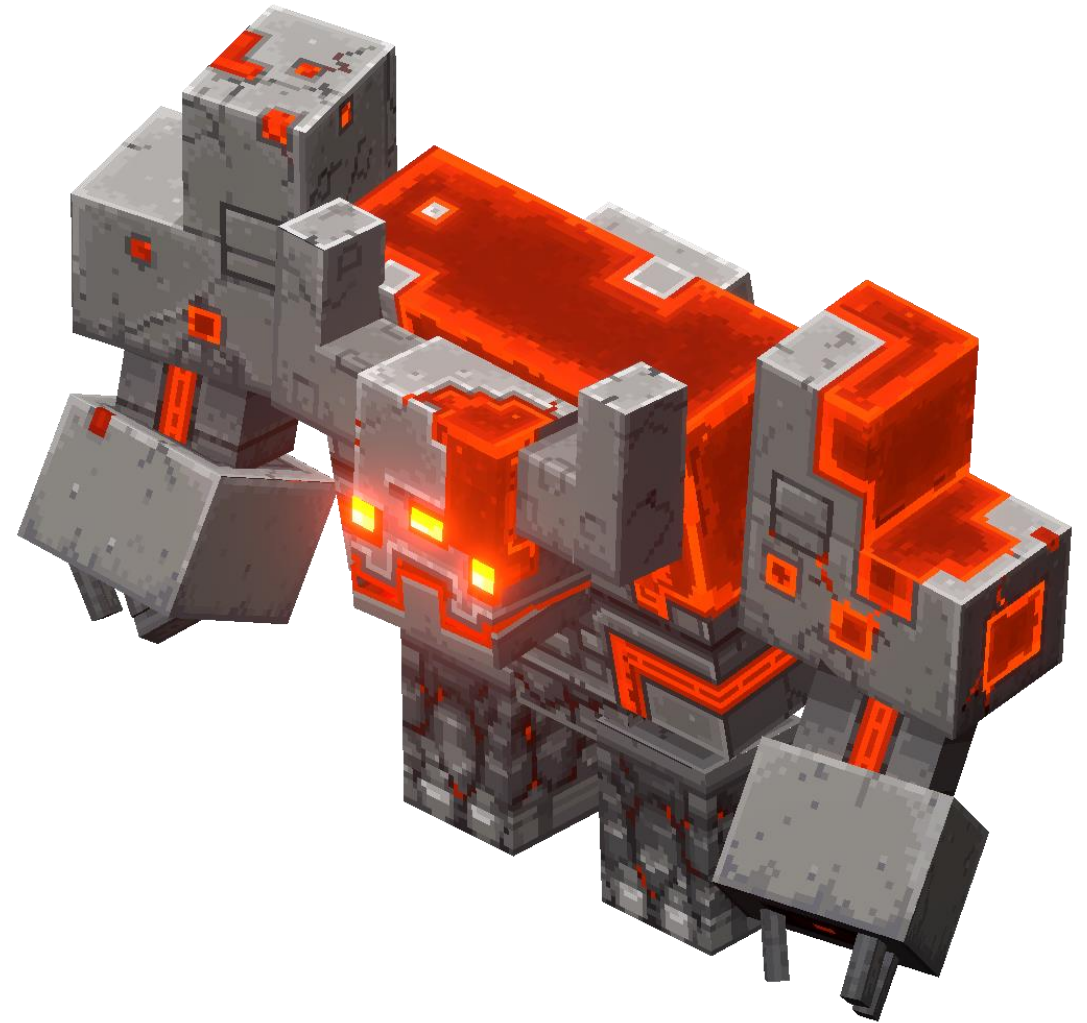
Du gehst die gelernten  
Schritte selbstständig.

# Vorstellungsrunde

- Wie lange spielst du schon Minecraft?
- Was interessiert dich so am Thema Server?
- Hast du Bereits Erfahrungen mit Minecraft Servern gemacht?
- Was möchtest du heute lernen?
- Was ist dein Lieblingstier in Minecraft?



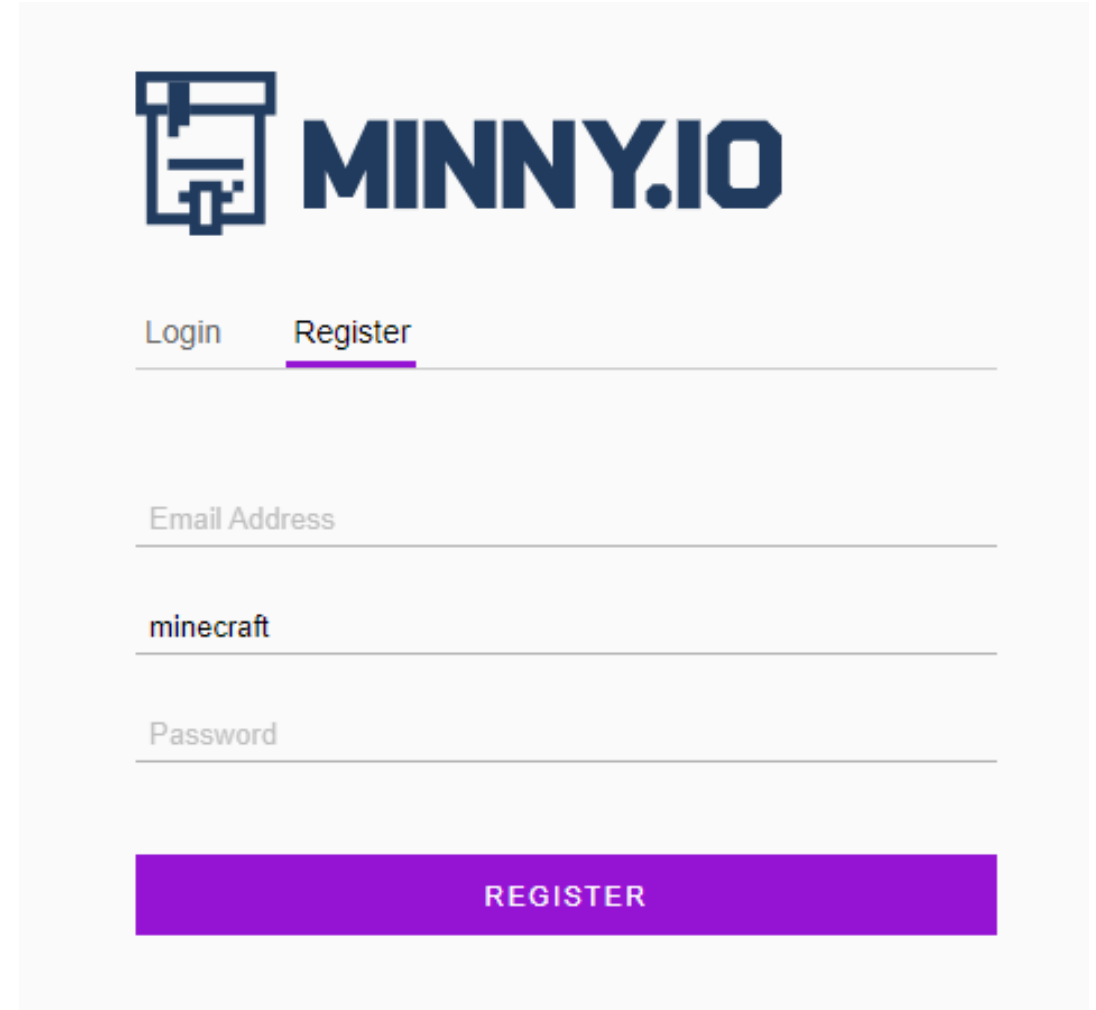
# Technische Vorbereitungen



Geht bitte mit einem Chromium Basierten Browser  
auf:

=> <https://training.minny.io>

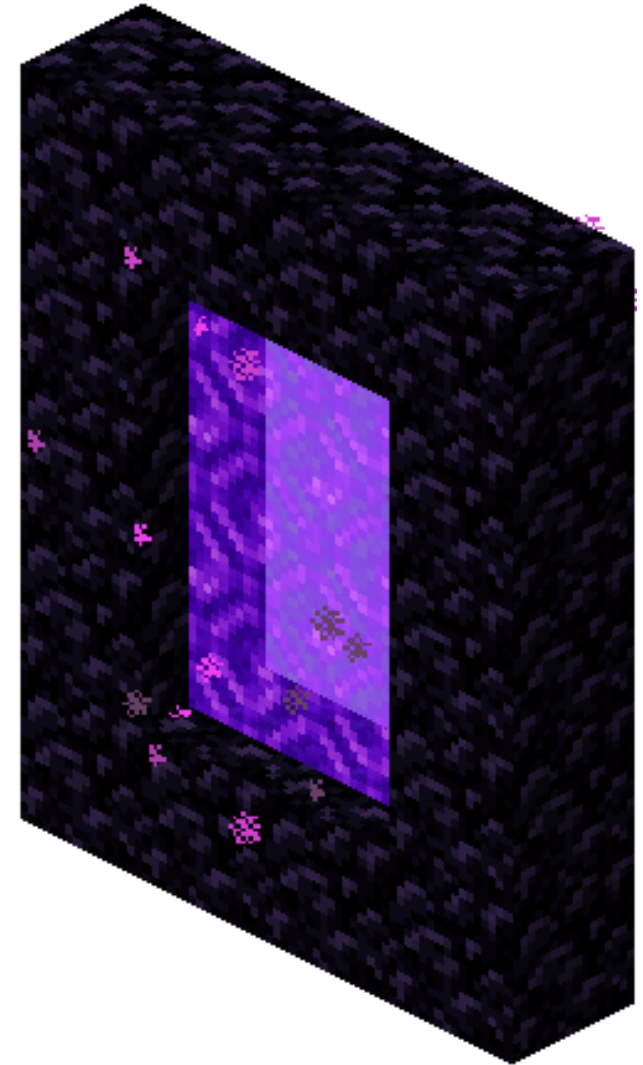
Dort registriert ihr euch bitte mit dem Access Code  
minecraft. Anschließend bitte direkt anmelden.



The screenshot shows the MINNY.IO registration interface. At the top, there is a logo consisting of a stylized 'M' made of circuit-like lines and the text 'MINNY.IO'. Below the logo, there are two tabs: 'Login' and 'Register', with 'Register' being the active tab. Under the tabs, there are two input fields: 'Email Address' and 'Password'. The 'Email Address' field contains the text 'minecraft'. Below the input fields, there is a large purple button with the text 'REGISTER' in white capital letters.



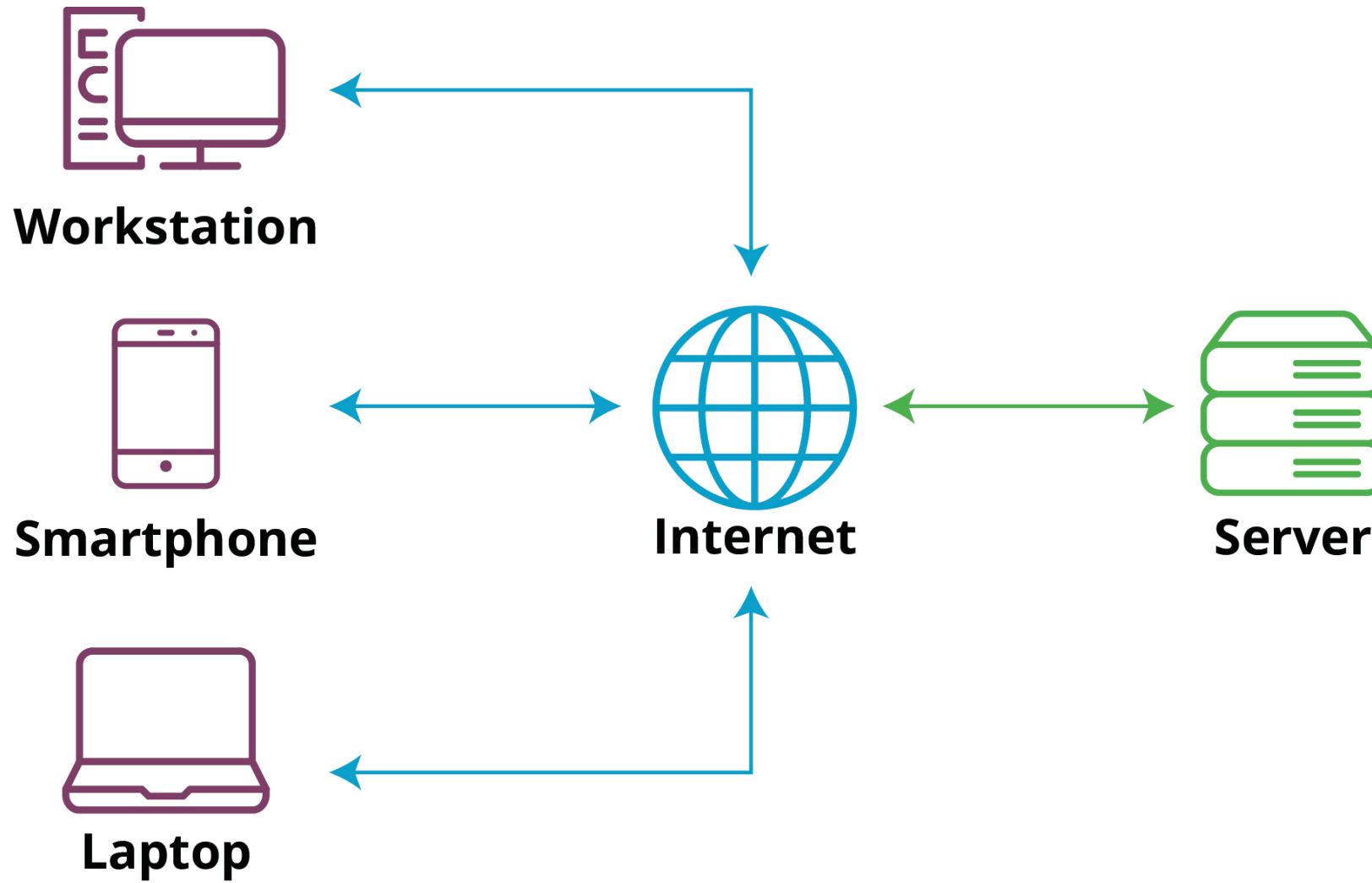
# Was ist ein Server?



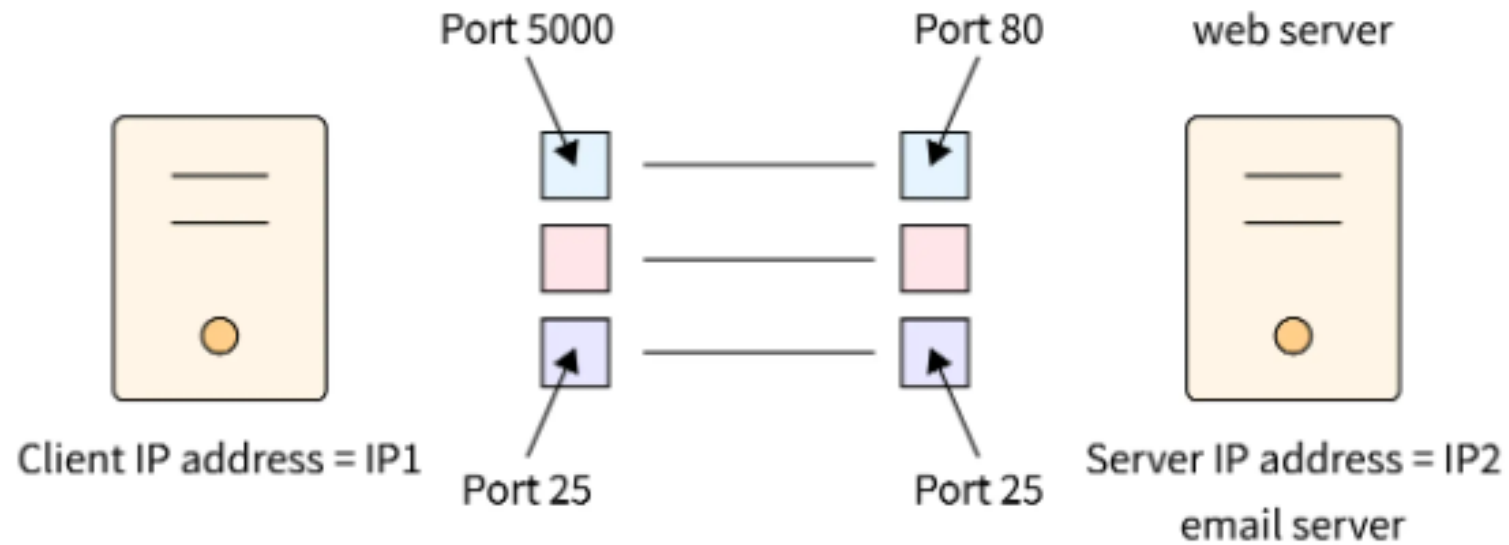
# Was wisst ihr bereits über Server?







## TCP/IP Port And Sockets





# Was ist Crafty?



<https://craftycontrol.com>



# Was ist Crafty?

- Webinterface zum Steuern von Minecraft Servern
- Eine Benutzerverwaltung für deine Server
- Ein Werkzeug zum für die Überwachung deiner Server
- Die Steuerungszentrale für deine Backups
- Sammelstelle für Log Daten deiner Server



## Navigation

Dashboard

Servers →

Documentation

In App Docs

Discord

Credits

Contribute

## Dashboard

## Host

CPU Usage: 0.5  
Memory Usage: 33.7%

## Servers

2

2 online  
0 offline

## Players

0

30 Max

## Storage



5.9GB / 74.8GB

All Servers

Create New Server

Search:

Server	Actions	CPU Usage	Memory Usage	Server Dir Size	Players	Status
Mein Server	🔍 ↺ 💀	2.0%	23.0% - 1.7GB	104.2MB	0 / 20 Max A Minecraft S 1.20.4	🟢 Online
Bedrock Server	🔍 ↺ 💀	0%	3% - 208.5MB	459.3MB	0 / 10 Max MCPE 1.20.51	🟢 Online

Showing 1 to 2 of 2 entries



Server Details - Mein Server

UUID: b24764ca-c288-4a27-835b-a814ee601b0c

Server Status: Online  
Server Started: 2023-12-26 22:14:46  
Server Uptime: 1 day, 11 hours, 25 minutes and 29 seconds  
Server Time Zone: Etc/UTC

CPU Usage: 3 %  
Memory Usage: 1.7GB  
Players: 0/20

Version: 1.20.4  
Description: A Minecraft Server  
Server Type: minecraft-java

- Terminal
- Logs
- Schedule
- Backup
- Files
- Config
- Player Management
- Metrics
- Webhooks

```
[21:15:32] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:32] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:33] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:33] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:34] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:34] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:35] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:35] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:36] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:36] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:37] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:37] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:38] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:38] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:39] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:39] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:40] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:40] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:41] [Worker-Main-1/INFO]: Preparing spawn area: 0%
[21:15:41] [Worker-Main-1/INFO]: Preparing spawn area: 36%
[21:15:42] [Worker-Main-1/INFO]: Preparing spawn area: 39%
[21:15:42] [Worker-Main-1/INFO]: Preparing spawn area: 70%
[21:15:43] [Server thread/INFO]: Time elapsed: 38878 ms
[21:15:43] [Server thread/INFO]: Done (48.325s)! For help, type "help"
[03:15:36] [Server thread/INFO]: ServerSeeker (/141.98.11.60:57172) lost connection: Disconnected
[08:20:25] [Server thread/INFO]: ServerSeeker_net (/109.123.240.84:59608) lost connection: Disconnected
```


Enter your command

Send command

Start

Restart

Stop

 CRAFTY  
CONTROLLER

Navigation

Dashboard

Servers

Create New Server

Mein Server

Bedrock Server

Documentation

In App Docs

Discord

Credits

Contribute

Minecraft-JavaMinecraft-Bedrock

Create New Server

Server Type

Server Type (Vanilla, Servers, Modded, etc.)

Server Select

Select a Server

Server Version

Select a Version

Server Name

My New Server

Quick Settings - Don't worry, you can change these later

Minimum Memory - Size in GB

Maximum Memory - Size in GB

Server Port - 25565 default

1

2

25565

Add Server to Existing Role(s) - If none are selected Crafty will make one!

Build Server!Reset Form

Import from a Zip File

Server Name

My New Server

Server Path Absolute path to your server

/var/opt/server.zip

Select Archive Root Dir Please click the button below to select your server's root dir inside of the archive

Click here to select Root Dir

Import an Existing Server

Server Name

My New Server

Server Path Absolute path to your server

/var/opt/server

Server Executable File

paper.jar

Quick Settings - Don't worry, you can change these later

Minimum Memory - Size in GB

Maximum Memory - Size in GB

Server Port - 25565 default

1

2

25565

Add Server to Existing Role(s) - If none are selected Crafty will make one!

Import Server!Reset Form

Upload Zip File For Server Import

Server Name

My New Server


Upload Zipped Server

Choose your Zip File

Browse

Upload

Import Server!Reset Form

 MINNY.IO  
SPIELEND LERNEN · LERNEND SPIELEN

# Crafty Installation

Crafty Installation

Wir fangen damit an Crafty zu installieren

[▶ START SCENARIO](#) [🖨️ PRINT](#)

## Crafty Installation

Wir fangen damit an Crafty zu installieren

name	id	template	status	public ip	private ip	hostname
minecraft	dynamic-4uck65gapc-2cf6eb34	vmt-p2r7pl7rvf	✓ running	91.107.227.233	91.107.227.233	dynamic-4uck65gapc-2cf6eb34

CANCEL


BEGIN SCENARIO






# Java Server



 Minecraft-Java

 Minecraft-Bedrock

## Create New Server



### Server Type

Server Type (Vanilla, Servers, Modded, etc.)



### Server Select

Select a Server



### Server Version

Select a Version



### Server Name

My New Server

### Quick Settings - Don't worry, you can change these later

Minimum Memory - Size in GB

1

Maximum Memory - Size in GB

2

Server Port - 25565 default

25565

▼ Add Server to Existing Role(s) - If none are selected Crafty will make one!

Build Server!

Reset Form



### Server Type

Server Type (Vanilla, Servers, Modded, etc.)



Server Type (Vanilla, Servers, Modded, etc.)

Modded

Proxies

Servers

Vanilla



### Server Select

mohist



mohist

fabric

forge

catserver

### Server Type

Servers



### Server Select

paper



paper

purpur

sponge



# Java Installation

Java Instanz

Hier werden wir die erste Java Instanz anlegen

[▶ START SCENARIO](#) [🖨️ PRINT](#)

Java Instanz

Hier werden wir die erste Java Instanz anlegen

name	id	template	status	public ip	private ip	hostname
minecraft	dynamic-4uck65gapc-2cf6eb34	vmt-p2r7pl7rvf	✓ running	91.107.227.233	91.107.227.233	dynamic-4uck65gapc-2cf6eb34

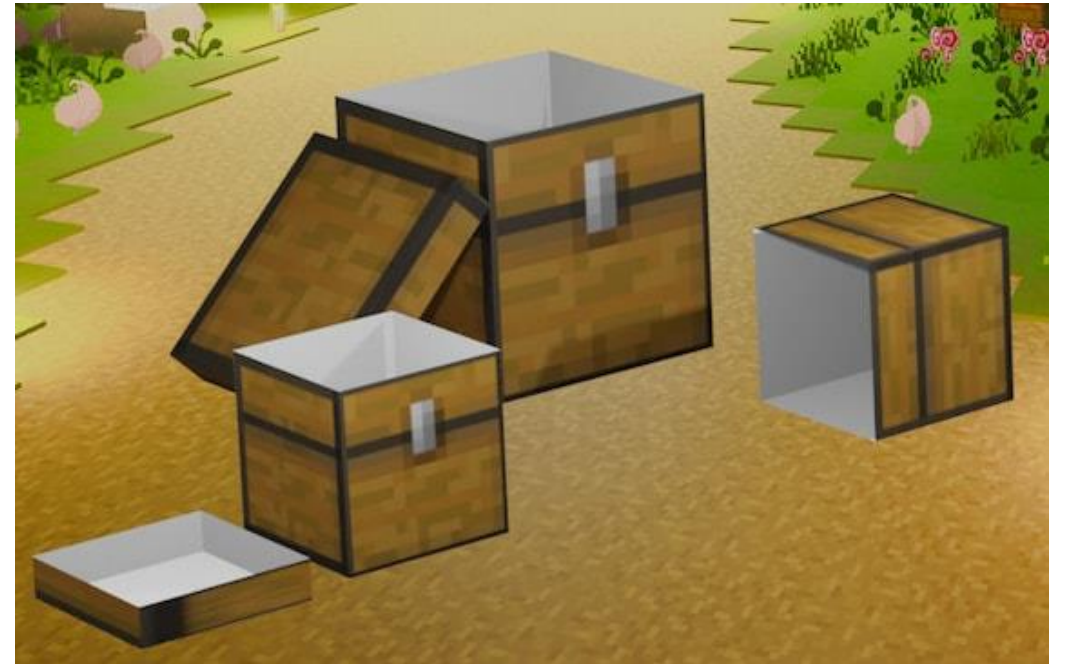
CANCEL

BEGIN SCENARIO





# Backups





# Backups

- Manchmal kann bei Updates etwas kaputt gehen  
.
- Wenn ein „böser“ Spieler Dinge kaputt macht kann ein Backup das reparieren
- Wenn dein Server kaputt geht hast du einen Weg zurück.



[Backup Now!](#)

Storage Location - Where do you want to store backups?

Max Backups - Crafty will not store more than N backups, deleting the oldest (enter 0 to keep all)

- ☐ Compress Backup
- ☐ Shutdown server for duration of backup
- ☐ Run command before backup
- ☐ Run command after backup

Backup Exclusions - Choose the paths you wish to exclude from your backups

[Click to select Exclusions](#)[Save](#)[Cancel](#)

### Current Backups

Search:

Options ↑↓

Path


↑↓

Size

↑↓

No data available in table

Showing 0 to 0 of 0 entries

 Excluded Paths:

Name

Backup

Linked Child Tasks:

Basic / Cron / Chain Reaction Select

Basic


Action

Backup Server

Interval - How often do you want this schedule executed?

1

Hours

☒ Enabled☐ Delete after execution Save Cancel



# Grundlagen zur Sicherheit



# Sicherheit

- ◆ Updates sind immer wichtig! Sowohl von Minecraft als auch vom Betriebssystem deines Servers
- ◆ Vertraue niemandem blind!
- ◆ Mods und Plugins können deinen Server übernehmen. Lade daher bitte immer aus vertrauenswürdigen Quellen herunter und Prüfe Dinge die dir zugesendet werden ausführlich

# Sicherheit

- ◆ Wenn du einen Server bereitstellst hast du Zugriff auf schützenswerte Daten von anderen. Geh immer verantwortungsvoll damit um und gib diese Daten nie ohne Zustimmung weiter.
- ◆ Sichere Passwörter sind der erste Schritt, 2 Faktor Authentifizierung sollte ebenfalls verwendet werden wenn möglich.





# CHAOS CRAFT

<https://chaos-craft.io/>

<https://minny.io/>