



Workshop Minecraft 服务端插件开发

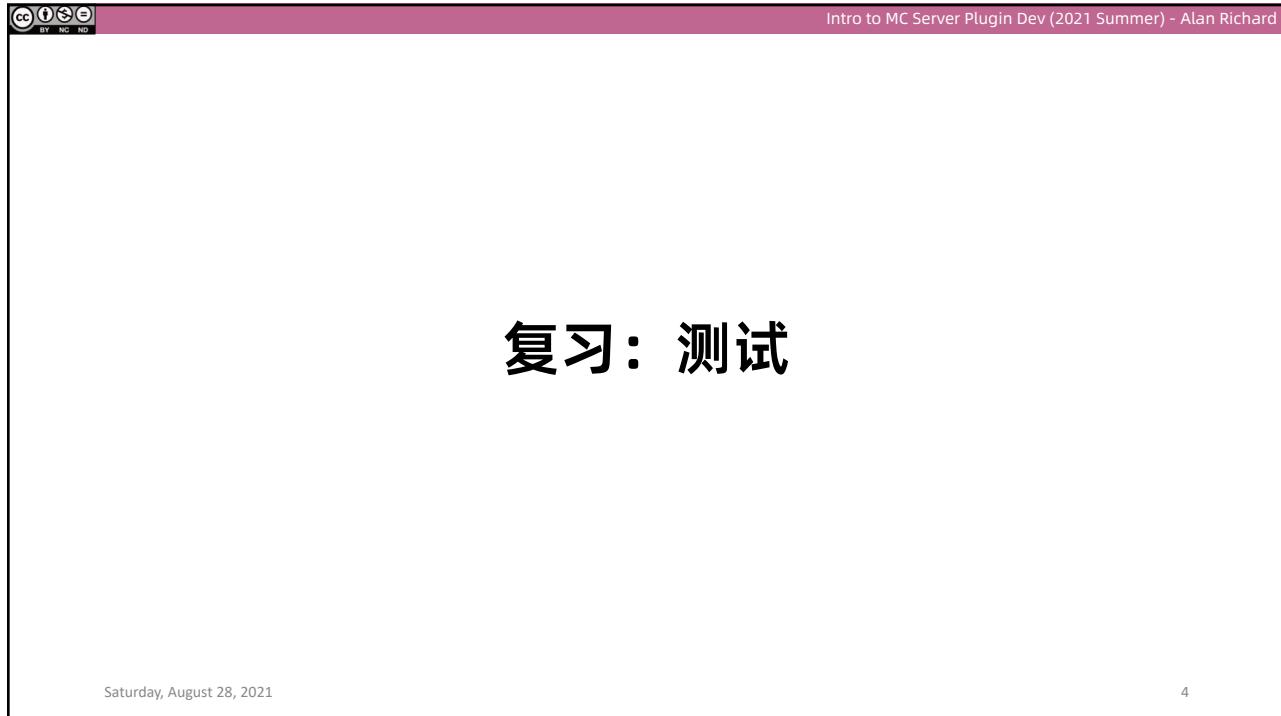
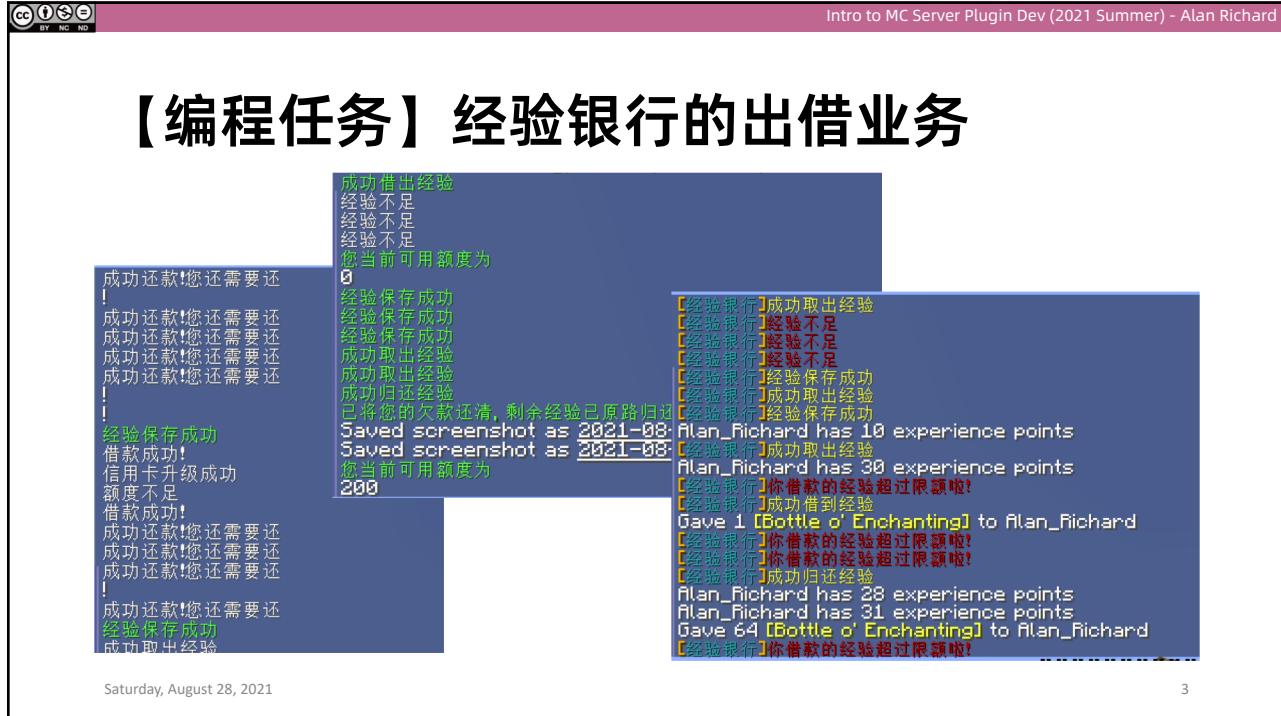
叶子 (Alan Richard) - August 28, 2021

Session 6



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Session 6: 回顾与展望



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Minecraft 内投屏呢？

A screenshot of a Minecraft 1.17.1 server interface titled "Minecraft 1.17.1 - Multiplayer (3rd-party Server)". The main window shows a 3D environment with blue rain falling. In the center, there is a floating window titled "Leaves One" which displays a smaller version of the Minecraft interface with a sidebar containing "Min Dev", "Min San", "Util", "Low", and "Cryptocurrency". A small map in the top right corner shows coordinates "-87, 98, -7". Below the main window, there is a toolbar with various icons. The text "EusScreenMirroring" is overlaid at the bottom of the image.

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你不能预测在生产环境会发生什么

A screenshot of a highly detailed Minecraft server setup. The scene is a large, modern-looking room with a checkered floor and walls made of various colored blocks. On the left, there's a wooden bench and some storage boxes. In the center, there's a large, curved wall made of glass blocks. The ceiling is filled with complex piping and machinery. A player character, Alan_Richard, is standing near the left side. The overall aesthetic is very clean and industrial.

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复习：学会提问

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找问题 (2+ 个)

请问有开发过spigot插件的大佬吗

问下手动加载插件是怎么做的?

Bukkit.getServer()
.getPluginManager().loadPlugin()报
错

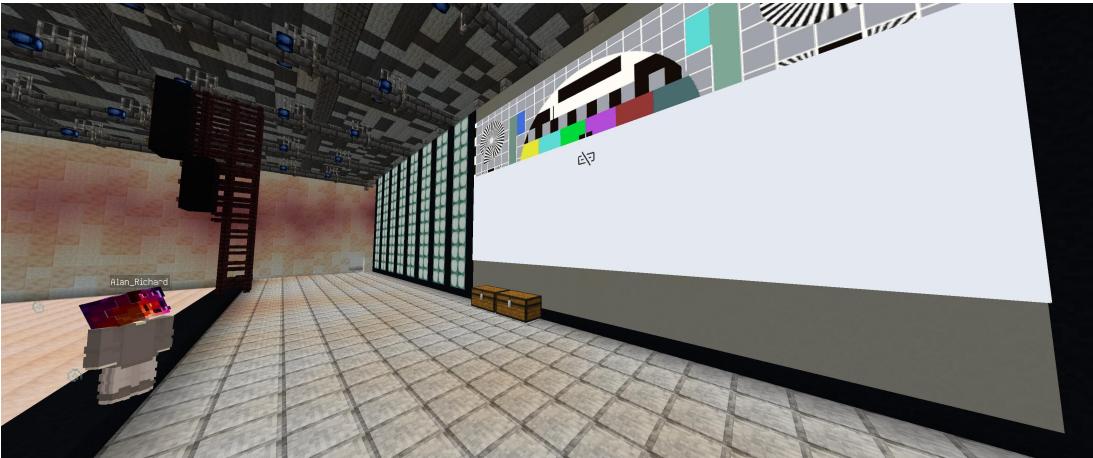
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如何提问? ↓



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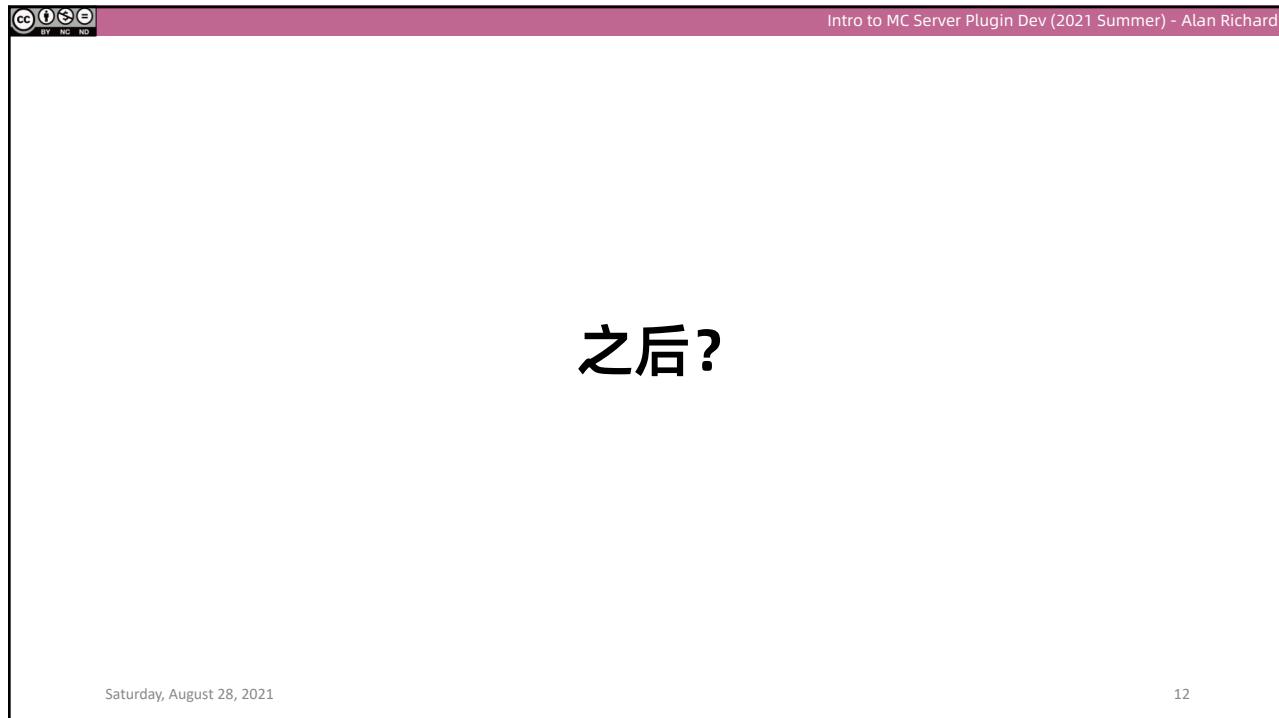
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持续精进

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Don't be a boilerplate programmer. Instead, build tools for users and other programmers.

Take historical note of textile and steel industries: do you want to build machines and tools, or do you want to operate those machines?

– Ras Bodik at the start of his compilers course

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Image by Ant Rozetsky

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期末任务

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比重变更

- Lab 50% → 35%
- 作业 40% → 55%
- 原因
 - 2 labs → 1 lab

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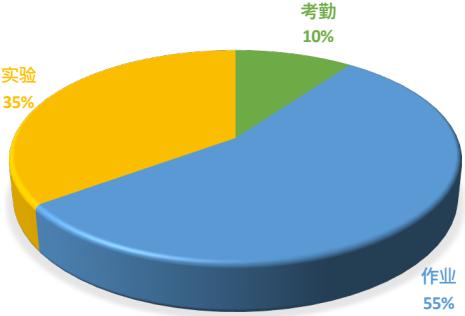
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新成绩比重

- 考勤 10%
- 作业 55%
- 实验 35%



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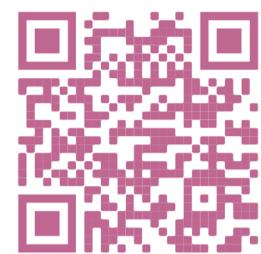
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期末 Lab

- 编写一个 Spigot/Paper 插件
- DDL: Sep 05, 2021



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Demo: Sailor Mouth 惩罚机

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前置知识

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Sync&hronous & Async&hronous

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Sync&hronous



Task A

Task B

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Original video from https://www.youtube.com/watch?v=...

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The diagram shows a timeline at the bottom labeled "Main Thread". Above it, a large pink rectangle represents a task. The text "Task C" is visible in the upper portion of this rectangle, and "Task ?" is visible in the lower portion. The timeline has two white hexagonal markers at its ends.

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Synchronous

Main Thread

Task C

Task ?

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The diagram shows a timeline at the bottom labeled "Main Thread". Above it, a large pink rectangle represents a task. The text "Task ?" is visible in the center of this rectangle. The timeline has two white hexagonal markers at its ends.

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Synchronous (Cont'd)

Main Thread

Task ?

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The diagram illustrates the execution flow between the Main Thread and Thread 1. It consists of two horizontal bars. The top bar, labeled "Thread 1", has a red vertical segment on its right side. The bottom bar, labeled "Main Thread", has a green vertical segment on its right side. Both bars have white hexagonal markers at their ends.

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Asynchronous

Thread 1

Main Thread

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The slide features a large title "Demo: Sailor Mouth 惩罚机" centered in bold black font. The background is white with a thin black border around the content area.

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Demo: Sailor Mouth 惩罚机

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我们完成的

- 复读机
- 定时飞行
- 消耗经验的飞行控制机
- 经验银行
- 存折经验银行
- 脏话惩罚机

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再见 / 再見

叶子 (Alan Richard) - MSP01 - 第一次开课

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