

Choosing the Right Vanilla Server Type for Your Minecraft Server

When setting up a Minecraft server, selecting the right server type is crucial for both performance and gameplay. Depending on your needs, different server types offer unique features, optimizations, and capabilities. This guide will help you understand the main server types—**Vanilla**, **Spigot**, **PaperMC**, and **Purpur** to determine which one is best for your server.

- [Vanilla Minecraft](#)
- [Spigot](#)
- [PaperMC](#)
- [Purpur](#)
- [How to Choose the Right Server Type for Your Needs](#)

Vanilla Minecraft

What is Vanilla Minecraft?

- **Vanilla** refers to the original, unmodified version of Minecraft as developed by Mojang. It is the “base” server type with no extra plugins or modifications.
- **Features:**
 - Pure Minecraft experience, exactly as it’s intended.
 - No performance enhancements or additional features.
 - Great for players who want to play the game as it was designed.

Best For:

- **Casual Play:** If you want to play Minecraft as-is, without extra features or optimizations.
- **New Players:** Ideal for first-time server admins or players who are new to Minecraft server management.
- **Minimal Setup:** Since there are no plugins or mods, Vanilla servers are quick and easy to set up.

Pros:

- **Simplicity:** No need to manage plugins or mods.
- **Authentic Experience:** It’s the closest you’ll get to the original Minecraft experience.
- **No Compatibility Issues:** Works well without needing additional configuration or adjustments.

Cons:

- **Limited Features:** Lacks performance optimizations and advanced server management tools.
- **Less Control:** Limited ability to customize the server’s behavior beyond what the game offers by default.

Spigot

What is Spigot?

- **Spigot** is a highly optimized server type based on **CraftBukkit**, offering greater performance and customization options than Vanilla.
- **Features:**
 - Supports a wide range of **plugins** for additional features, commands, and server management.
 - Provides performance improvements, making it suitable for more players and larger worlds.
 - More customization options than Vanilla Minecraft.

Best For:

- **Survival and Multiplayer Servers:** If you plan to run a survival server with custom features and optimizations.
- **Server Customization:** Ideal for those who want to install plugins to extend their server's functionality.
- **Performance Enhancements:** Great for servers that need to handle more players or larger worlds with less lag.

Pros:

- **Plugin Support:** Allows you to install plugins that can change gameplay, improve performance, and add features.
- **Optimized Performance:** Spigot is more efficient than Vanilla and handles more players and plugins.
- **Community Support:** A large community with resources, tutorials, and plugins available for use.

Cons:

- **Setup Complexity:** While easier than fully modded servers, Spigot requires some knowledge to install and manage plugins effectively.
- **Plugin Management:** Plugins can sometimes conflict with each other or with Minecraft updates, requiring more maintenance.

PaperMC

What is PaperMC?

- **PaperMC** is a high-performance, **Spigot-based server type** designed to provide even better performance and optimizations than Spigot.
- **Features:**
 - Built on Spigot but includes additional optimizations, bug fixes, and performance improvements.
 - More configurable settings to fine-tune performance for larger servers.
 - Supports all Spigot plugins and is fully compatible with them.

Best For:

- **Large Servers:** If you need to handle a high number of players with minimal lag.
- **Performance-Focused Servers:** Perfect for players who want the best performance, with tweaks to improve stability and speed.
- **Customization and Modifications:** Ideal for those who want to tweak server settings beyond what Vanilla and Spigot can offer.

Pros:

- **Superior Performance:** PaperMC outperforms Vanilla and Spigot in terms of resource management, reducing lag and improving TPS (Ticks Per Second).
- **Customization:** Advanced configuration settings allow you to fine-tune performance and gameplay.
- **Compatibility:** Supports all Spigot plugins, offering access to a vast plugin library.

Cons:

- **More Configuration:** Some advanced features may require more time to configure properly.
- **Advanced Knowledge:** For best results, you might need to understand performance settings and tweak configurations for optimal performance.

Purpur

What is Purpur?

- **Purpur** is an enhanced fork of PaperMC that offers even more features and optimizations aimed at improving both performance and gameplay customization.
- **Features:**
 - Offers **even more configuration options** than PaperMC for a more tailored experience.
 - Includes experimental features for server administrators looking for cutting-edge optimizations.
 - Extends the PaperMC experience with custom features such as world generation settings, anti-lag tools, and more.

Best For:

- **Advanced Server Admins:** If you're comfortable with tweaking server settings and want even more control over your server's behavior.
- **Highly Customizable Servers:** Great for those who want a personalized gameplay experience and enhanced features.
- **Cutting-Edge Performance:** Ideal for high-traffic servers with complex setups requiring the best possible performance.

Pros:

- **Extensive Customization:** More configuration options than PaperMC, allowing for a truly custom server setup.
- **Enhanced Features:** Includes experimental features that can optimize server performance in unique ways.
- **Performance:** Similar to PaperMC, Purpur is highly optimized for better performance with large player bases.

Cons:

- **Complexity:** Requires more advanced knowledge to configure and maintain than PaperMC.

- **Experimental Features:** Some features may be less stable as they are still in development.

How to Choose the Right Server Type for Your Needs

1. For Beginners or Casual Play

- If you're new to running Minecraft servers or want a simple, no-fuss setup, **Vanilla** is the best option.

2. For Multiplayer Survival with Custom Features

- **Spigot** is a great choice if you want to install plugins and enhance your server, while still maintaining solid performance.

3. For Large Servers or Performance Optimizations

- **PaperMC** is the go-to option for handling larger player bases, reducing lag, and fine-tuning your server's performance.

4. For Advanced Users Seeking Maximum Control and Customization

- If you're an experienced server admin and need even more performance tweaks and customization options, **Purpur** is the most advanced choice.
-

Additional Help

If you encounter any issues or need further assistance, open a support ticket via the [Billing Area](#). Our support team is ready to assist you.