

Forge Optimization Mods

Forge is a popular Minecraft modding platform that provides a robust framework for creating and managing mods with extensive compatibility and community support.

1. ServerCore

- **Description:** Optimizes the server's core mechanics for better performance during chunk loading and entity management.
 - **Benefits:**
 - Enhances tick performance.
 - Reduces server load during high-activity events.
 - **Drawbacks:**
 - Might require tuning for mod-heavy setups.
 - Requires some configuration, as most of the optimizations are disabled by default.
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2. AlternateCurrent

- **Description:** A highly efficient Redstone logic engine replacement.
 - **Benefits:**
 - Significantly reduces lag caused by Redstone contraptions.
 - Maintains vanilla functionality while being much faster.
 - **Drawbacks:**
 - Minor compatibility issues with Redstone-heavy mods.
 - Not necessary for servers with minimal Redstone usage.
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3. Adaptive Performance Tweaks

- **Description:** Dynamically adjusts server behavior based on current load.
 - **Benefits:**
 - Automatically optimizes entity AI and chunk loading.
 - Ideal for servers experiencing fluctuating player counts.
 - **Drawbacks:**
 - Requires careful testing with other mods for compatibility.
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4. AI Improvements

- **Description:** Streamlines mob pathfinding and AI behavior.
 - **Benefits:**
 - Reduces CPU usage in mob-heavy areas.
 - Improves server tick rates during high-entity scenarios.
 - **Drawbacks:**
 - May affect gameplay for mods relying on custom AI.
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