The TechGarage Community Server

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The Server



Main Server Overview

Welcome to the TechGarage Main Server! This page provides a comprehensive overview of the primary server infrastructure that powers TechGarage.ca and its associated projects. Whether you're a tech enthusiast, developer, or part of our community, this detailed breakdown will give you insight into the hardware and software that keeps TechGarage running smoothly.

Server Specifications

The main server, affectionately known as **SCServer**, is the backbone of our operations. Here's what powers our services:

- **CPU**: 12th Gen Intel Core i9-12900K
- **Memory**: 125.5 GiB of DDR4 RAM
- **GPU**: NVIDIA GeForce GTX 1080 Ti
- **Storage**:
  - 1.0 TB NVMe SSD

    - 4.0 TB HDD (Primary Storage)
- **Operating System**: Ubuntu 20.04

Key Software & Services

- **Pterodactyl Panel**: SCServer runs the main software service via a Pterodactyl panel, which can be accessed through the Techgarage.ca domain. This panel is essential for managing and deploying various services hosted on the server.
- **BookStack**: The BookStack service runs on our second server, Homeserver2, and serves as the hub for all our documentation, guides, and knowledge resources.
- **Network Configuration**: The server is configured with an array of port forwarding rules to ensure all services are always accessible. These include:
    - **ScrubCraft**: Port 25565
    - **Geyser Connection**: Port 19132
    - **MCMap**: Port 8026
    - **ScrubPlace**: Port 6969

Usage & Applications

The SCServer is designed to handle a wide array of tasks and services:

- **Hosting**: All our web hosting, game servers, and multimedia services run on this robust server.
- **Development**: It serves as the development environment for ongoing projects, including our Minecraft server clusters, multimedia editing workflows, and other tech ventures.
- **Archiving**: With ample storage, SCServer also serves as an archive for historical data, backups, and project files.

Future Plans

We continuously upgrade and optimize the SCServer to meet the growing demands of the TechGarage community. Future enhancements may include:

- **Increased Storage Capacity**: Expanding storage to accommodate more services and data.
- **Enhanced Security Measures**: Implementing more advanced security protocols to safeguard our operations.
- **Service Expansion**: Adding new services, such as virtual machines or containerized applications, to broaden our offerings.

Responsible Use of TechGarage Community Servers

Welcome to Our Community

At TechGarage, we pride ourselves on fostering a collaborative and supportive environment where everyone can learn, create, and share. Our servers are a crucial part of this community, providing the backbone for various projects, gaming, and multimedia services.

These servers are a shared resource, and we kindly ask all members to use them responsibly. By doing so, you help maintain a smooth experience for everyone and ensure that the TechGarage community continues to thrive.

Guidelines for Responsible Server Use

To keep our community servers running efficiently and to ensure fair access for all, we ask that you follow these simple guidelines:

1. **Be Mindful of Resource Use**
   - Avoid running processes or tasks that consume excessive CPU, memory, or bandwidth unless it's absolutely necessary.
   - Consider the impact of your activities on other users. If you're working on a resource-intensive project, try to schedule it during off-peak hours.
2. **Respect Server Limits**
   - Please adhere to any limits set for storage, processing power, or concurrent connections. These limits are in place to ensure the stability and accessibility of the servers for all members.
3. **Avoid Unauthorized Access**
   - Use only the resources and services you have been granted access to. Attempting to bypass security measures or access restricted areas can result in loss of privileges or removal from the community.
4. **Collaborate and Communicate**
   - If you're planning a project that might require significant server resources, consider discussing it with the community or administrators beforehand. This ensures that everyone is aware and can accommodate your needs without disrupting others.
5. **Maintain Security and Privacy**

- Protect your account and login credentials. Do not share your access with others. If you suspect any unauthorized activity on your account, report it immediately.
- Respect the privacy of other users. Do not attempt to access, modify, or delete data that does not belong to you.

6. **Report Issues Promptly**
   - If you encounter any issues or notice any unusual activity on the servers, please report it to the administrators as soon as possible. Prompt reporting helps us address problems quickly and keep the servers running smoothly.

Why This Matters

Our community servers are a shared resource that rely on the cooperation and respect of all members. By using the servers responsibly, you help ensure:

- **Fair Access**: Everyone gets a fair opportunity to use the resources they need for their projects.
- **Stability**: The servers remain stable and reliable, with minimal downtime or disruptions.
- **Security**: The community remains safe from unauthorized access and potential threats.
- **Growth**: As we maintain a respectful environment, we can continue to expand and offer more resources and services to all members.

Thank You for Your Cooperation

We appreciate your understanding and cooperation in making TechGarage a positive and productive community. By following these guidelines, you contribute to the long-term success of our shared space.