MGMT - Virtualization A1

- Your experience with J2 and the most challenging parts (if any)
- A brief comparison to the Google Cloud Platform

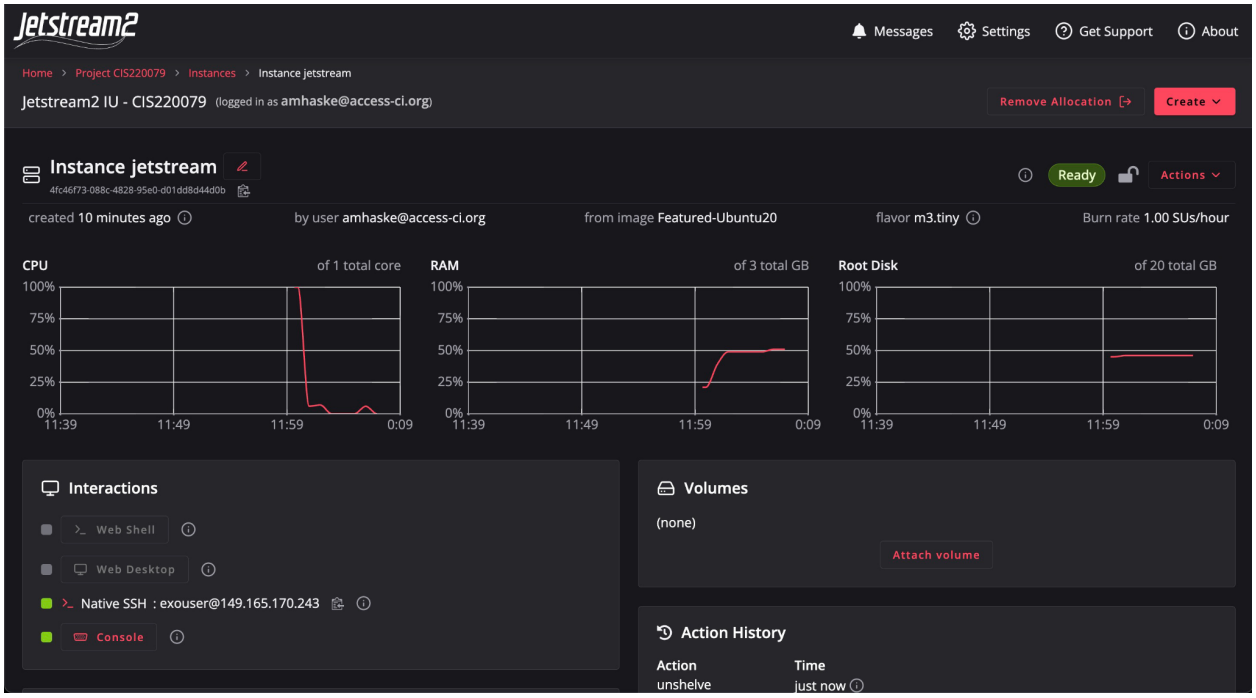
The most challenging parts of using Jetstream2 might be configuring the platform and understanding how to use it effectively for specific tasks. My personal experience with Jetstream 2 was quite challenging to create instances and run them without any restrictions. A web shell is not UX-friendly, as well as some of the commands, are quite difficult the understand. Comparatively, the Google Cloud Platform has a wider range of services and tools available but may be more geared towards businesses rather than research. Overall, both platforms offer valuable resources for users seeking cloud-based computing and data solutions.

In terms of similarity, both platforms offer Infrastructure-as-a-Service (IaaS) and Platform-as-a-Service (PaaS) models. This means that users can provision and manage virtual machines, storage, and networking resources in a scalable and flexible manner. Both platforms also offer a range of tools and services for managing and deploying applications, including APIs, command-line tools, and web-based interfaces.

One major difference between Jetstream2 and GCP is their target audience. Jetstream2 is primarily designed for researchers in the academic community, providing access to powerful computing resources for scientific projects. GCP, on the other hand, caters to a wider range of users, from small businesses to large enterprises. Another difference is the pricing model. Jetstream2 offers a more predictable and transparent pricing model with a pay-per-use approach, while GCP has a more complex pricing structure with various discounts and pricing tiers based on usage volume. Finally, Jetstream2's focus on research computing means it has a strong emphasis on data privacy and security, while GCP has a wider range of security certifications and compliance standards for enterprise use cases.

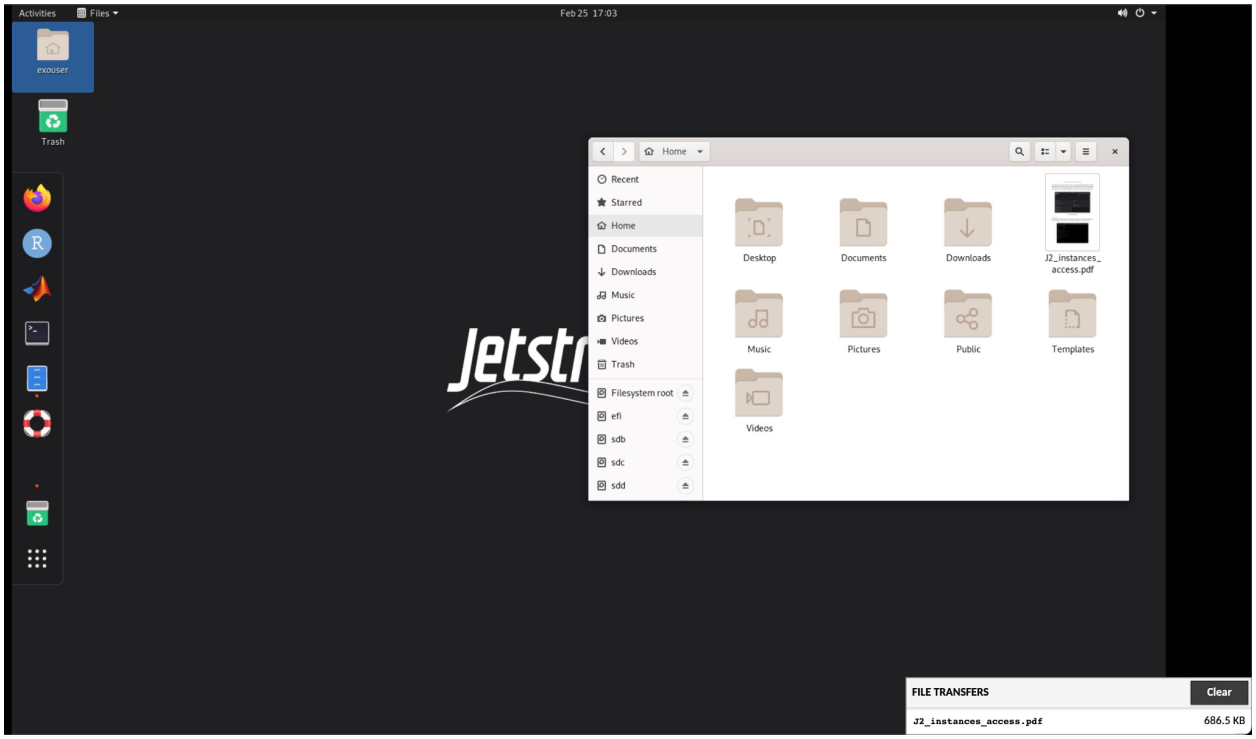
Step 1: Creating the Instance

Created the First instance with basic working functionality



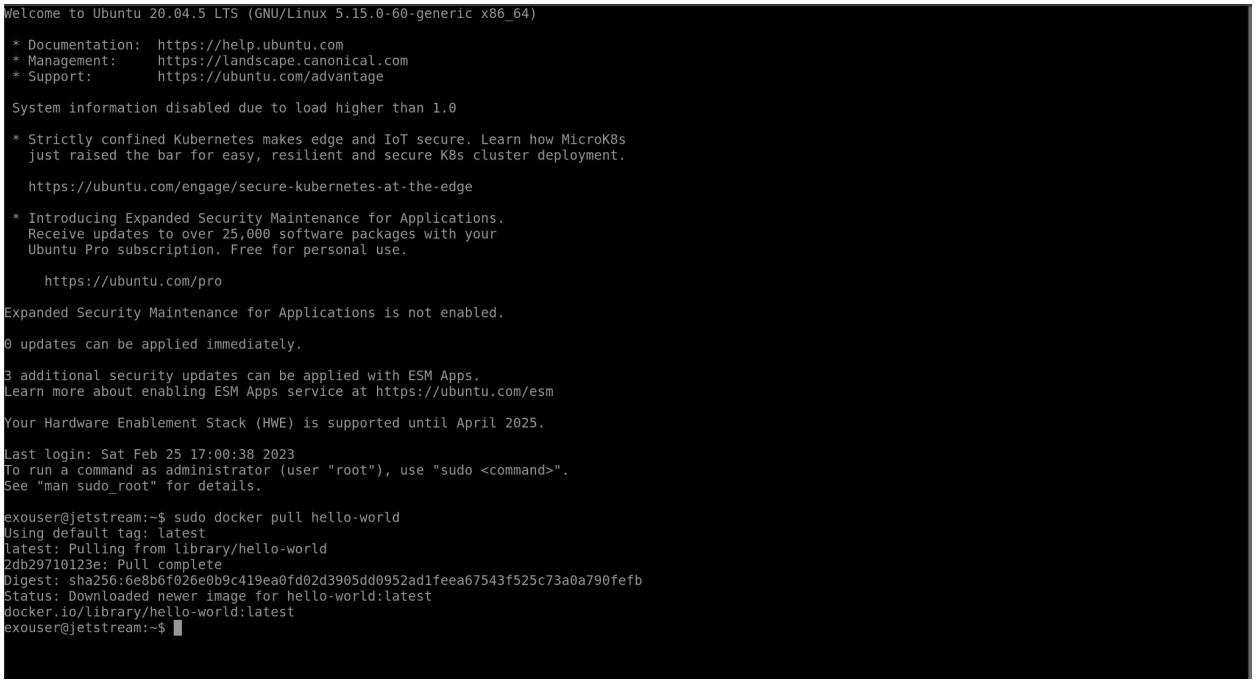
Step 2: Transfering files from Local Environment to the VM

Explored the different options and applications and jetstream2 such as using R studio to code and transfer files from the local computer to the Virtual machine

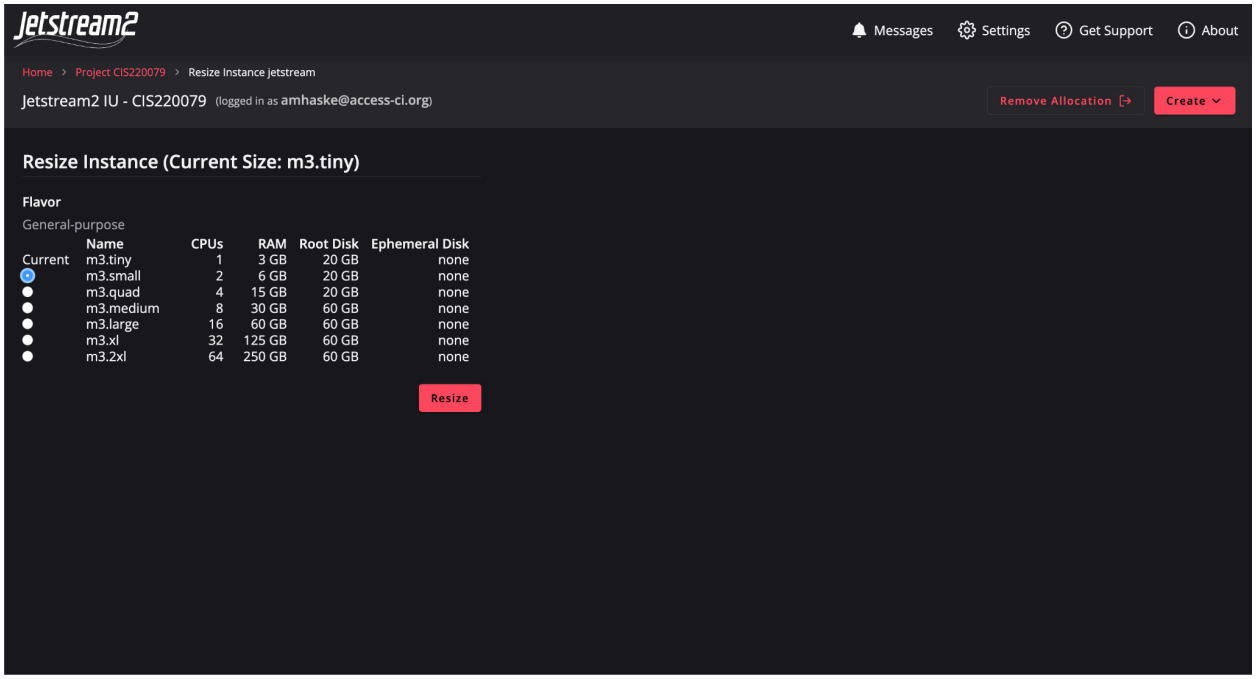


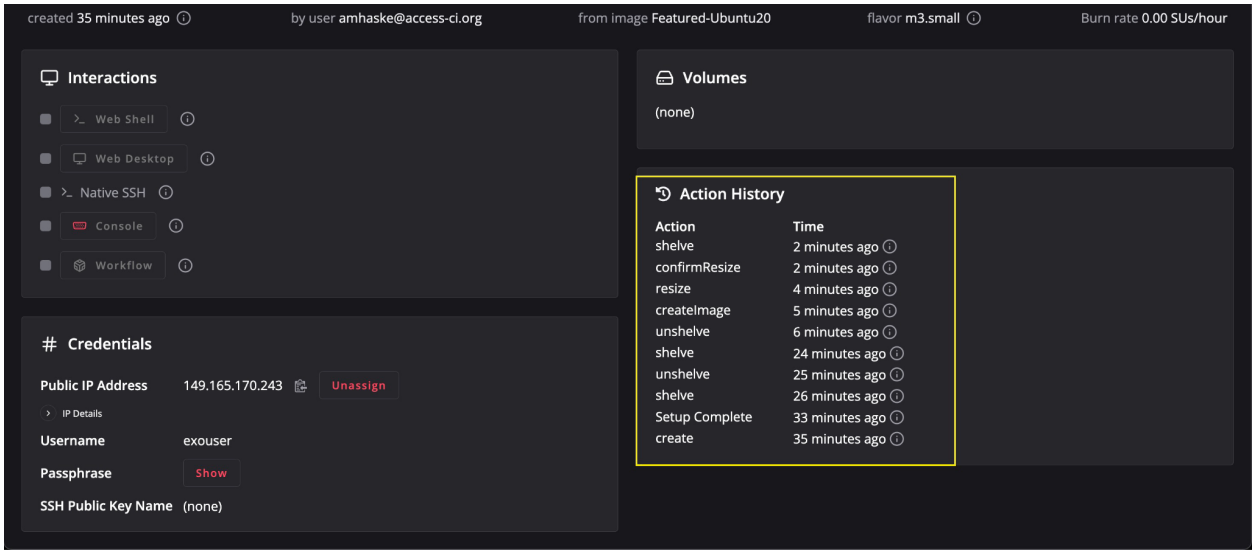
Step 3: Web shell

For the first instance tried web shell and ran the command “hello-world to understand the working status and Tried some instance management actions.



Step 4: Instance Management Actions - Resize and a few other





Step 5: Instance Management Actions - Shelve your instance