

Report: Complete – J2 Virtual Machines

During my practice with Jetstream2 (J2), I added the allocation for the CIS230181 course, which allowed me to create and manage virtual machine instances. I successfully launched an instance called `vpawar-mgmt-access` (Fig 1) and experimented with various features like Web Shell, Web Desktop, and file transfer. The interface provided several tools for managing instances, and I also looked into how to track instance performance and resource utilization. I found the documentation to be particularly useful in understanding various access methods and instance management actions. To expand my access options, I created an SSH key (Fig 2), which provides secure remote access to the instance. After finishing the practice, I shelved the instance (Fig 3) and then deleted it to free up resources. The overall process was simple, but the most difficult part for me was setting up the SSH key, which required extra care to ensure it was properly configured.

When comparing Jetstream2 (J2) to Google Cloud Platform (GCP), I discovered that J2 is specifically designed for academic and research use, with its allocation-based system offering more granular control and customization options tailored to educational and research environments. It enables users to fine-tune instances and manage resources with a degree of flexibility that is ideal for experimental tasks and scientific computing. In contrast, GCP has a more user-friendly interface, with smoother navigation and intuitive management tools, making it available to a broader range of users, including those working on commercial and personal projects. GCP's scalability, ease of use, and extensive integration with other Google services make it an excellent choice for developers and businesses seeking to deploy large-scale apps.

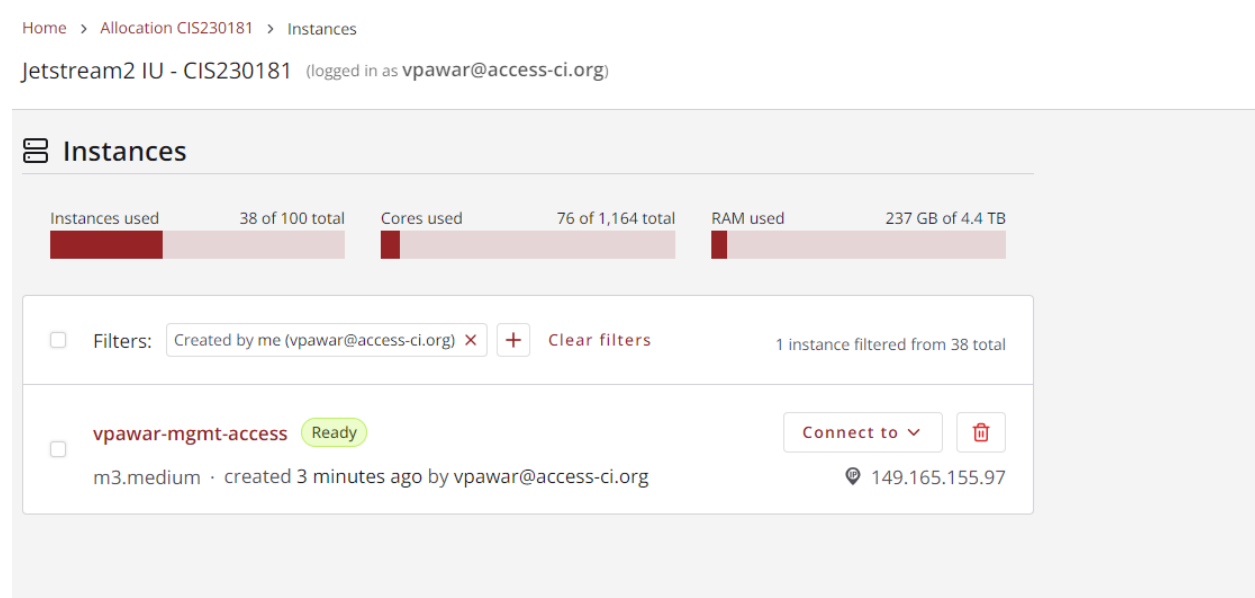


Fig 1: Successfully created Instance `vpawar-mgmt-access`



Fig 2: Successfully added SSH key

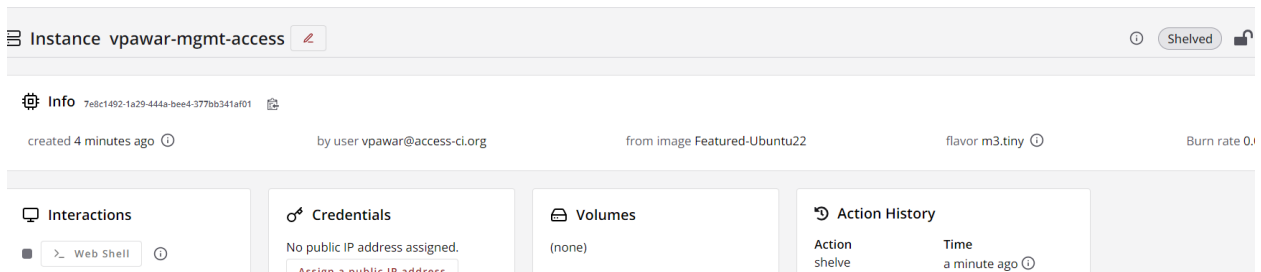


Fig 3: Shelved the Instance vpawar-mgmt-access successfully