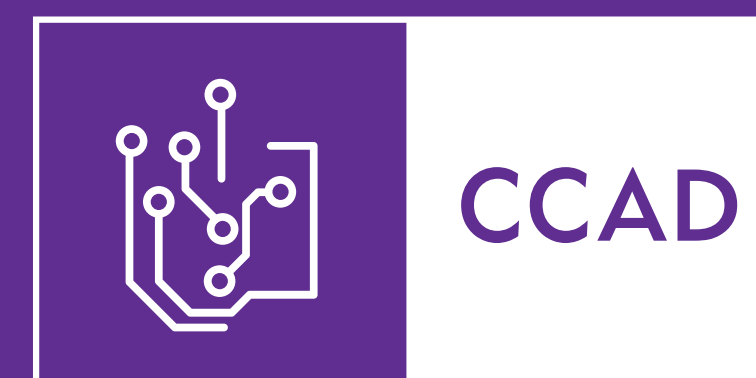




CARPINCHOS



TEAM MATES



JUAN IGNACIO FOLCO

BIOINFORMATICS SUPPORT • GROMACS

Jack of several trades. High-level coder. Keen on learning more about HPC along with his team.

Funfact: Does not drink coffee unless it's an emergency



LUCÍA MARTINEZ GAVIAR

POSTER • HPL

Into cybersecurity. Enjoys understanding all the low-level details.

Funfact: She's also an artist



LARA KURTZ

HPL • ANSIBLE

Passionate about coding, Linux, and delving into how things work. Fueled by a blend of coffee and music



ALVARO ROY SCHACHNER

SPACK

Loves scripting, automation and low level programming. Into GPU programming including computer graphics and HPC.



ALEJANDRO ISMAEL SILVA

LOGO • PROVISION

A computer science student with a commit in the Linux Kernel. He once wrote a game in assembler and sometimes draws comics.

Funfact: He's also an amateur photographer.



MARCOS TOLCACHIR

CESM • SPACK

Into architecture design. Enjoys optimizing and spreadsheets



WE ARE UNIQUE BECAUSE

The team is brand new, no one has participated before. It is settled in the more than a decade experience of CCAD-UNC (HPC University Center).

The strength of the team is adaptability, and low-resource consumption. Argentina's economic situation forces us to adapt. Without access to funding to pay for services everything is built from scratch. This gives us a deep understanding of every technology involved in a complex system.

The team is really motivated to participate in this competition, some have a strong interest in low-level programming and optimization, others have already gained valuable experience in software development and are now looking for new challenges. IndySCC will allow us to push ourselves to the next level and test our abilities in a new setting.

OUR ADVISORS



MARCOS MAZZINI

SysAdmin at CCAD-UNC
The best coach



NICOLAS WOLOVICK

Professor at FAMAF, UNC
Director of CCAD-UNC

OUR STRATEGY

Learning a LOT

- Attend all the IndySCC webinars.
- Research and review high-performance computing concepts, parallel programming, and optimization techniques. Libraries, compiler flags and architecture selection.
- Engage in hands-on exercises with CCAD resources.
- Consult with application-specific experts.

Working together

- Attend face-to-face meetings with our coach.
- Maintain constant communication via Zulip.

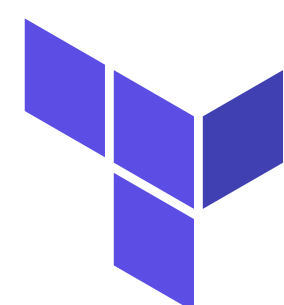
Using software we trust

- Terraform + Ansible to deploy infrastructure and automate configuration and management tasks.
- Spack + environment modules to install and manage software packages and variants.
- SLURM for job scheduling.
- Rocky Linux because it's solid as a rock.

WE WORK WITH



ANSIBLE



HashiCorp

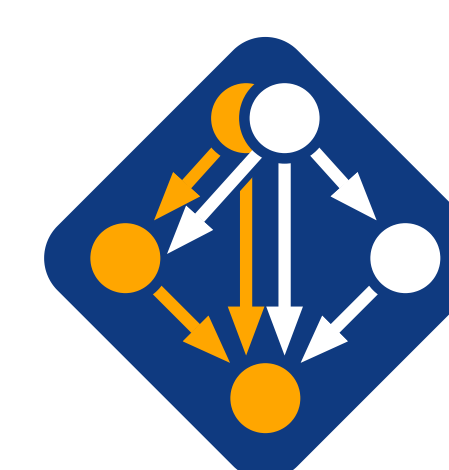
Terraform



workload manager



ENVIRONMENT
MODULES



Rocky Linux™