

# HPC Infrastructure Services Specialist

Job ID  
REQ-10020409  
Sep 24, 2024  
Czech Republic

## Summary

HPC Infrastructure Services Specialist Executes and ensure service deployments and management to enable modern delivery flows of High Performance Computing solutions.

## About the Role

Location: Prague / Mexico City (Hybrid)

Novartis is unable to provide relocation expenses.

## Major accountabilities:

- High Performance Computing (HPC) Specialist for Novartis Core Infrastructure Services team performs the operational health deployment and lifecycle of HPC technology
- Designs innovative solutions utilizing projects and qualification frameworks to run and optimize our complex infrastructures.
- Act as technical and organizational escalation point during major and critical incidents.
- Responsible to track suppliers and partner for effective and efficient delivery of projects
- Contributes to service / platform strategy development

Commitment to Diversity & Inclusion: We are committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve

## What you'll bring to the role

- 3+ years' experience within an HPC/scientific computing environment and Associate's degree in computer science or equivalent industry experience.
- Hands-on experience with system administrative task in Linux environment, and fluency in scripting (shell scripting in bash required, Python knowledge would be advantageous). Able to build software from sources including knowledge of build systems (e.g. Make, CMake...)
- Knowledge of one or more HPC scheduling mechanisms (e.g. Grid Engine, Slurm, LSF...) ; computer architectures and multi-threaded/parallel processing applications; Strong knowledge of Unix systems performance tuning.
- Hands-on knowledge of network- and distributed filesystems (e.g. NFS, Lustre or other parallel file systems, etc.). Worked in environments with highspeed / low latency network (e.g. InfiniBand, MPI etc.)
- Experience with shared memory and/or GPU and/or distributed memory computation jobs
- Exceptional service orientation, excellent problem-solving abilities, keen attention to detail and Fluent English speaker

**Desired:**

- 5+ years' experience within an HPC/scientific computing environment
- Working knowledge of DevOps tools and practices (e.g. Ansible, Chef, CI/CD etc.) Experience designing and building infrastructure within a public cloud platform (e.g. AWS, GCP or Azure)

**Why Novartis:** Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other.

Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together?

<https://www.novartis.com/about/strategy/people-and-culture>

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Division

Operations

Business Unit

CTS

Location

Czech Republic

Site

Prague

Company / Legal Entity

CZ02 (FCRS = CZ002) Novartis s.r.o

Alternative Location 1

INSURGENTES, Mexico

Functional Area

Technology Transformation

Job Type

Full time

Employment Type

Regular

Shift Work

No

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