

Assoc. Dir. DDIT IES - HPC Infrastructure Sr. Engineer

Job ID

REQ-10050665

Sep 08, 2026

LOC_MX

About the Role

Job Description

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

- 6+ years' IT experience, of which at least 3 in an HPC/scientific computing environment
- Associate's degree in computer science or related field, or equivalent industry experience
- Experience designing and building infrastructure within a public cloud platform (e.g. AWS, GCP or Azure) as they relate to HPC workloads
- Hands-on experience with system administrative task in Linux environment, and fluency in scripting (shell scripting in bash required, Python knowledge would be advantageous)
- Can build software from sources including knowledge of build systems (e.g. Make, CMake...)
- Extensive knowledge of one or more HPC scheduling mechanisms (e.g. Grid Engine, Slurm, LSF... etc.)
- Extensive knowledge of one or more HPC cluster management software packages (e.g. Bright Cluster Manager / Base Command Manager, xCat, OpenHPC... etc.)
- Solid knowledge of computer architectures and multi-threaded/parallel processing applications
- Hands-on knowledge of network- and distributed filesystems (e.g. NFS, GPFS, Gluster, BeeGFS, Lustre or other parallel file systems, etc.)
- Worked in environments with high speed / low latency network (e.g. InfiniBand)
- Strong knowledge of Unix systems performance tuning
- Experience with shared memory and/or GPU and/or distributed memory computation jobs
- Working knowledge of DevOps (e.g. Ansible, Chef, CICD etc.) tools and practices
- Desired: experience setting up, maintaining, and tuning infrastructure for AI/ML workloads
- Desired: experience with HPC infrastructure supporting a scientific / research / pharmaceutical / bioinformatics / cheminformatics environment
- Exceptional service orientation, excellent problem-solving abilities, keen attention to detail.
- Fluent English speaker

Role Requirements

Division

DIV_TO

Business Unit
Information Technology
Location
LOC_MX
Site
INSURGENTES
Company / Legal Entity
MX06 (FCRS = MX006) Novartis Farmacéutica S.A. de C.V.
Functional Area
FCT_IT
Job Type
Full time
Employment Type
Regular
Shift Work
No
[Apply to Job](#)

Job ID
REQ-10050665

Assoc. Dir. DDIT IES - HPC Infrastructure Sr. Engineer

[Apply to Job](#)

Source URL: <https://jobapi.novartis.com/req-10050665-assoc-dir-ddit-ies-hpc-infrastructure-sr-engineer>

List of links present in page

1. <https://jobapi.novartis.com/req-10050665-assoc-dir-ddit-ies-hpc-infrastructure-sr-engineer>
2. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/INSURGENTES/Assoc-Dir-DDIT-IES---HPC-Infrastructure-Sr-Engineer_REQ-10050665
3. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/INSURGENTES/Assoc-Dir-DDIT-IES---HPC-Infrastructure-Sr-Engineer_REQ-10050665