



# Unmanaged and Managed Slurm for 1-Click Clusters

**Slurm** is job management software used to optimize cluster utilization. Lambda Slurm is designed for AI workloads, validated to run within our 1-Click Clusters, and available in both unmanaged and managed settings. Go unmanaged if you prefer to be your own Slurm administrator or pick the managed one if you'd rather hire Lambda for that.

## UNMANAGED SLURM

### Includes:

- Lambda Slurm Configuration
- Built-in LDAP auth systems for user and group management
- Policies based on cgroups
- Built-in support for containers with Pyxis and Enroot and AI/ML workloads
- Slurm user, operator and administrator access
- High availability (HA)

## MANAGED SLURM

### Also includes the following services performed by Lambda:

- Slurm patches
- Job history tracking
- Technical support for Slurm issues, additionally Lambda partners with SchedMD (Slurm developer) for backend support
- Detection of node failures and replacement of failed components
- Monitoring cluster and slurm daemon health, including slurmctl, slurmdbd and node slurm

**1-Click Clusters** are logically partitioned Infiniband-connected GPU clusters contracted for 1 to 52 weeks. Access is via the Internet through our Lambda dashboard. Lambda manages the infrastructure in order to run monitoring, alerting, and perform proactive fixes. Clusters are located in datacenters where Lambda have 8x5 continuous presence and 24x7 on-call availability.

### Included Modules and Features:

#### Software modules

- Open MPI
- CUDA
- Pytorch

#### Container modules

- Podman
- Apptainer
- Pyxis
- Enroot