

# NSF/IUCRC CAC PROJECT

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## INTEGRATED VISUALIZING, MONITORING, AND MANAGING HPC SYSTEMS

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## Slurm Rest API

- A tool that runs inside of the Slurm perimeter that will translate JSON/YAML requests into Slurm RPC requests
- Use OpenAPI Specification to describe the API



## Daemon Mode

- Listen on given set of IP/PORTs for user connections

## Inet Mode


- Single user connected via STDIN and STDOUT
- Script send commands via PIPE directly

```
echo -e "GET /openapi/v3 HTTP/1.1\r\nAccept: */*\r\n" | slurmrestd
```

```
echo -e "GET /slurm/v0.0.35/nodes HTTP/1.1\r\nAccept: */*\r\n" | slurmrestd
```

```
echo -e "GET /slurm/v0.0.35/partitions HTTP/1.1\r\nAccept: */*\r\n" |  
slurmrestd
```

```
echo -e "GET /slurm/v0.0.35/jobs HTTP/1.1\r\nAccept: */*\r\n" | slurmrestd
```



**QUESTIONS?/COMMENTS?**