|  |  |
| --- | --- |
| Use Case Description | Slurm Create Batch Run  |
| Actors | Fabric Manager, Administrator, Compute nodes, Fabric Endpoints, Ethernet Network |
| Description | Build out Nodes and topology for an HPC Batch Run  |
| Normal Flow | * Batch run submitted to Slurm
* Init Spank plugin
* Spank extension sets up Allocator context
* Set up logging for connection
* Get node list values—node\_list array
* Correlate node\_list with endpoints
* Provide routes to nodes
* Run batch job
* Fini
* Exit job
 |
| Alternate Flow 1 | * Batch run submitted to Slurm
* Init Spank plugin
* Spank extension sets up Allocator context
* Set up logging for connection
* Get node list values—node\_list array
* Correlate node\_list with endpoints
* Provide routes to nodes
* Spank detects error
* Log error
* Report Errot
* Exit job
 |