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