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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 |
| 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 |