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| --- | --- | --- | --- | --- |
| **Metric** | **Description** | **Source** | **Source Detail** | **Reading Units** |
| CPU Temperature | Property for temperature. Currently there are two readings: CPU1Temp and CPU2Temp.  Recorded in node level | BMC-Redfish API:  /redfish/v1/Chassis/System.Embedded.1/Thermal | [“Temperatures”][“ReadingCelsius”] | Celsius |
| Inlet Temperature | Property for temperature. Currently there are one reading: InletTemp.  Recorded in node level | BMC-Redfish API:  /redfish/v1/Chassis/System.Embedded.1/Thermal | [“Temperatures”][“ReadingCelsius”] | Celsius |
| Fan Speed | Property for cooling. Currently there are four readings: FAN\_1, FAN\_2, FAN\_3 and FAN\_4. Has a lower threshold: 1050 and an  upper threshold: 17850;  Recorded in node level | BMC-Redfish API:  /redfish/v1/Chassis/System.Embedded.1/Thermal | [“Fans”][“Reading”] | RPM |
| Node Power Usage | Property for power. It is the instant power consumed by each node.  Recorded in node level | BMC-Redfish API:  /redfish/v1/Chassis/System.Embedded.1/Power | [“PowerControl”][“PowerConsumedWatts”] | Watts |
| CPU Usage | The average number of process being or waiting executed by CPUs. Recorded in node level. | UGE API:  http://129.118.104.35:8182/hostsummay | [“hostValues”][“load\_avg] | # of processes |
| Memory Usage | RAM used by all Jobs running on the same node.  Recorded in node level. | UGE API:  http://129.118.104.35:8182/hostsummay | [“hostValues”][“mem\_used] | Gigabyte |
| Job Info | Basic Job information. Recorded in cluster level. | UGE API:  http://129.118.104.35:8182/hostsummay | [“JobList”][“id”],  [“JobList”][“startTime”],  [“JobList”][“submitTime”],  [“JobList”][“user”], | string |

Metrics Description