

## WLCG Grid Services Monitoring Definition Template

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This definition template aims

- to assist middleware service developers in describing, at a high level, information to be used to monitor the health and availability of a grid service
- to provide a reference for monitoring developers and site administrators creating sensors for integration with local fabric monitoring systems

Description of the Categories A, B and C, further information about WLCG Grid Service Monitoring and other terminology used below is available in "[Understanding WLCG Monitoring](#)".<sup>i</sup>

Some of the information required may vary depending on service configuration options, in which case please try to provide what may be commonly accepted as the default condition or otherwise indicate appropriately.

**Service Name** :

*The short form identifier by which your service is commonly known*

**Contact Details** :

*Your name and email address*

**Context and dependencies** :

*Describe the context within which the service you are describing runs. For instance it may be one of several individual services which together form a single Grid service. Describe other supporting dependencies e.g. Tomcat*

### Category A - Traces in the fabric

**Process State**

*Process Name / Number of instances (min/max) / User*

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- 
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## WLCG Grid Services Monitoring Definition

### Network ports

*Port Number / Process Name / Security (GSI)*

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- 
- 
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### Filesystems/Directories

*Path / Owner/Group / Permissions / Min. Space*

- 
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### Logfiles

*Path / Owner/Group / Permissions*

*For each logfile include any parsing expressions which can be used to identify performance and error conditions together with a description of the meaning and possible actions which could be taken (if know). Include here information written to syslog together with the syslog facility used.*

- (log)
  - (exp)
  - (exp)
- (log)
  - (exp)
  - (exp)
- (syslog)
  - (exp)
  - (exp)

### **Category B - Interpretation of a user-level operations**

*Describe (or provide persistent urls to information about) commands which can be used as category B probes including how the status return and output may be parsed to diagnose the performance or status of the service. Include the release packages in which the commands are made available.*

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### **Category C - Internal metrics presented by the service**

*Describe (or provide persistent urls to information about) commands, or otherwise how to invoke mechanisms, to gather category C metrics about this service (see endnote i) including how the status return and output may be parsed to diagnose the performance or status of the service. Include the release packages in which any commands are made available.*

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<sup>i</sup> Understanding WLCG Monitoring - <https://twiki.cern.ch/twiki/bin/view/LCG/GridServiceMonitoringInfo>