

Please put the node in maintenance (see procedure here) when you have to make some intervention on the middleware services, otherwise it will trigger some alarms.

Quattor configuration of the sensors and exceptions

- All the sensors and exceptions are defined in the CDB template *pro_monitoring_metrics_lcgrb.tpl*. This template is included in the CDB template *pro_system_lcgrb.tpl*.
- An example of a metric and an exception is:

```
"/system/monitoring/metric/_5240" = nlist( # Metric ID
    "name",          "rb_ns_count",    # Name of the metric
    "descr",        "Number of network server processes running.", # Description of the met
    "class",        "system.processCount", # Class of the metric
    "param",        list("cmdline", "/opt/edg/bin/edg-wl-ns_daemon", "uid", "edguser"), # P
    "period",       60,
    "smooth",       nlist("typeString", false, "maxdiff", 0.0, "maxtime", 600),
    "active",       true,
    "latestonly",   false,
);

"/system/monitoring/exception/_30108" = nlist( # Exception ID
    "name",          "rb_ns_wrong",    # Name of the exception
    "descr",        "Number of network server process wrong.", # Description of the excepti
    "active",       true,
    "latestonly",   false,
    "importance",   1,
    "alarmtext",    "rb_ns_wrong",    # Name of the exception displayed on the Lemon page
    "correlation",  "5240:1 < 1", # Exception triggered when the network server is not runn
    "actuator",     nlist("execve",    "/sbin/service edg-wl-ns restart", # Command to execut
                        "maxruns", 1,
                        "timeout", 0,
                        "active", true)
```

Exceptions defined for the cluster lcgrb

Exception name	Description	Service to restart	Comment
RB_NS_WRONG	Number of network server process(es) running wrong (should be one).	edg-wl-ns	-
RB_WM_WRONG	Number of workload manager process(es) running wrong (should be one).	edg-wl-wm	-
RB_JOBCONTROLLER_WRONG	Number of job controller process(es) running wrong (should be one and four).	edg-wl-jc	-
RB_CONDOMASTER_WRONG	Number of condor master processes(es) running wrong (should be one).	edg-wl-jc	-
RB_CONDORSCHEDD_WRONG	Number of Condor scheduler process(es) running wrong (should be one).	edg-wl-jc	-
RB_LOGD_WRONG	Number of logd process(es) running wrong (should be one).	edg-wl-locallogger	-
RB_INTERLOGD_WRONG	Number of interlogd process(es) running wrong (should be one).	edg-wl-locallogger	-
RB_RENEWD_WRONG	Number of renewd process(es) running wrong (should be two).	edg-wl-proxyrenewal	-

RB_LM_WRONG	Number of log monitor process(es) running wrong (should be one).	edg-wl-lm	-
RB_MJS_WRONG	Number of lcg-mon-job-status process(es) running wrong (should be one).	lcg-mon-job-status	-
RB_FTPD_WRONG	Number of ftpd process(es) running wrong (should be one).	edg-wl-ftp	-
RB_BKSERVERD_WRONG	Number of bkserverd process(es) running wrong (should be between 1 and 11).	See OP ↗	-
RB_FTPD_WRONG	Number of ftpd process(es) running wrong (should be between 1 and 2000).	See OP ↗	-
RB_DG20LOGD_HIGH	Number of dg20logd files in <i>tmp</i> too high (should be < 1000).	-	Backlog
RB_INPUTFL_SIZE	Size of the <i>/var/edgwl/workload_manager/input.fl</i> file too high (should be < 1.5GB).	-	Backlog
RB_QUEUEFL_SIZE	Size of the <i>/var/edgwl/jobcontrol/queue.fl</i> too high (should be < 1.5GB).	-	Backlog
RB_INPUTFL_WRONG	Number of records in file <i>/var/edgwl/workload_manager/input.fl</i>	-	Not yet implemented
RB_QUEUEFL_WRONG	Number of records in file <i>/var/edgwl/jobcontrol/queue.fl</i>	-	Not yet implemented
RB_FD_LM_WRONG	Number of file descriptors opened by the log monitor process too high (should be < 800).	See OP ↗	-
RB_LOGS_FULL	Middleware log files partition (/data01) full.	-	-
RB_SANDBOX_FULL	Sandbox partition (/data02) full.	-	-
RB_MYSQL_FULL	MySQL partition (/data03) full.	-	-

Operations help guide for LCG RB nodes

The operational procedures (OP) can be found here [↗](#).

-- YvanCalas - 12 Mar 2007

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