

Gratia RSV Monitoring Probe

This is a probe written for RSV that examines the Gratia probes on the system and ascertains whether they are reporting properly and can provide some diagnostics if problems are found.

Probe Operation

Under normal circumstances this probe is packaged with the RSV system and is installed on a CE along with all the other RSV probes. It will be executed regularly and its results posted along with those of other probes. It may also be invoked manually and can give better diagnostics if run as root.

<u>Test Description</u>	<u>Probe</u>	<u>Possible results</u>	<u>Root required?</u>
Check crontab entry.	ALL	CRITICAL UNKNOWN (if non-root)	Y
Check Enabled attribute in ProbeConfig.	ALL	CRITICAL	N
Check for generic MeterName in ProbeConfig.	ALL	CRITICAL	N
Check permissions on DataFolder (should be 04177 for batch probes)	PBS, LSF, Condor, SGE	CRITICAL	N
Check for missing or multiple `:' in MeterName.	ALL	WARNING	N
Check for generic siteName in ProbeConfig.	ALL	WARNING	N
Verify condor_config has PER_JOB_HISTORY_DIR set correctly.	Condor	WARNING UNKNOWN (can't run condor_config_val)	N
Can urCollector config module be loaded?	PBS, LSF	CRITICAL	N
Can urCollector configuration file be loaded?	PBS, LSF	CRITICAL	N
Check LRMS type setting in urCollector.conf is recognized.	PBS, LSF	CRITICAL	N
Check LRMS type setting matches probe type.	PBS, LSF	CRITICAL	N
Check PBS log directory exists.	PBS	CRITICAL WARNING (if no entries for current day)	Y
Check LSF log directory and lsb.events file exists.	LSF	CRITICAL WARNING (if no lsb.events file)	Y
Check files waiting to be sent from <workdir>/urCollector.	PBS, LSF	WARNING (if > 2000 files)	Y