

XML File for Tape Metrics in SLS

Each Tier-1 Site should update XML file exactly with the fields described below. (Thanks to A. Di Girolamo)

CA_TRIUMF_Tape_Metrics.xml	CERN_Tape_Metrics.xml
DE_KIT_Tape_Metrics.xml	ES_PIC_Tape_Metrics.xml
FR_CCIN2P3_Tape_Metrics.xml	IT_INFN_CNAF_Tape_Metrics.xml
NDGF_Tape_Metrics.xml	NL_T1_Tape_Metrics.xml
TW_ASGC_Tape_Metrics.xml	UK_T1_RAL_Tape_Metrics.xml
US_FNAL_CMS_Tape_Metrics.xml	US_T1_BNL_Tape_Metrics.xml

<id>WLCG_DE_KIT_Tape_Metrics</id>
<fullname>DE-KIT Tape System</fullname>
Site name do not modify

<availability>100</availability>
mandatory: it's up to each site, for now, to decide if their tape system is available or not and how much.

<availabilityinfo>total read=XXX, total write=YYY</availabilityinfo>
It is the tooltip that will appear when you mouse over the bar. up to the Site to decide which are the most interesting information to be quickly displayed

<availabilitythresholds>
<threshold level="available">75</threshold>
<threshold level="affected">45</threshold>
<threshold level="degraded">15</threshold>
</availabilitythresholds>

Do not modify those values: just remember them when you calculate the availability of your service. It will be green between 100 and 76%, orange till 45, yellow till 15, then red.

<email>xxxx@xxx</email>
<webpage> <http://xxxxxxx> </webpage>

Write here the contact email (if you want, or just remove the line) and the webpage where you're reporting more detailed information

<refreshperiod>PT10M</refreshperiod>
Do not touch: this means how often the SLS server will try to read your update xml (10 minutes).

<validityduration>PT2H</validityduration>
This value represents the validity of your data. example: you update the xml every 6hours, this means that that valued should not be smaller than 6hours, otherwise the service will appear gray, as the information is too old. if the information of your tape system are updated every hour, we suggest to put a value of 2H (PT2H) the data structure, all these data will be stored into the SLS DB.

<data>
<numericvalue name="Total_Data_Rate_Read" desc="Total Data Rate Read" timestamp="2009-05-11T15:48:45">1234</numericvalue>
....
..
<numericvalue name="Data_Transferred_Per_Mount_Read" desc="Data Transferred Per Mount Read" timestamp="2009-05-11T15:48:45">1234</numericvalue>
<numericvalue name="Data_Transferred_Per_Mount_Write" desc="Data Transferred Per Mount Write" timestamp="2009-05-11T15:48:45">1234</numericvalue>
</data>

in the <data> structure you can add the data that you want. Example: you have detailed information per VO, just add.

<numericvalue name="Data_Rate_Read_ATLAS" desc="Data Rate Read ATLAS" timestamp="2009-05-11T15:48:45">0</numericvalue>

the field "name" in the numeric value is mandatory (desc and timestamp are not) as the "value" (i.e. you don't have the number, you remove the entire line.)

<timestamp>2009-05-11T15:55:05</timestamp>

Format is the one reported here, time zone is Geneva time zone, it is mandatory.

```
<?xml version='1.0' ?>
<serviceupdate xmlns='http://sls.cern.ch/SLS/XML/update'
xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
xsi:schemaLocation='http://sls.cern.ch/SLS/XML/update
http://sls.cern.ch/SLS/XML/update.xsd'>
<id>WLCG_DE_KIT_Tape_Metrics</id>
<fullname>DE-KIT Tape System</fullname>

<availability>100</availability>
<availabilityinfo>
total read=XXX, total write=YYY
</availabilityinfo>
<availabilitythresholds>
  <threshold level="available">75</threshold>
  <threshold level="affected">45</threshold>
  <threshold level="degraded">15</threshold>
</availabilitythresholds>
<availabilitydesc>
Write here how you calculated your availability
</availabilitydesc>
<email>xxxx@xxx</email>
<webpage> http://xxxxxxx </webpage>
<refreshperiod>PT10M</refreshperiod>
<validityduration>PT2H</validityduration>
<data>
<numericvalue name="Total_Data_Rate_Read" desc="Total Data Rate Read" timestamp="2009-05-
11T15:48:45">0</numericvalue>
<numericvalue name="Total_Data_Rate_Write" desc="Total Data Rate Write" timestamp="2009-05-
11T15:48:45">0</numericvalue>

<numericvalue name="Avg_File_Size_Read" desc="Avg. File Size Read" timestamp="2009-05-
11T15:48:45">0</numericvalue>
<numericvalue name="Avg_File_Size_Write" desc="Avg. File Size Write" timestamp="2009-05-
11T15:48:45">0</numericvalue>

<numericvalue name="Tape_Repeat_Mount_Read" desc="Tape Repeat Mount Read" timestamp="2009-
05-11T15:48:45">0</numericvalue>
<numericvalue name="Tape_Repeat_Mount_Write" desc="Tape Repeat Mount Write" timestamp="2009-
05-11T15:48:45">0</numericvalue>

<numericvalue name="Data_Transferred_Per_Mount_Read" desc="Data Transferred Per Mount Read"
timestamp="2009-05-11T15:48:45">0</numericvalue>
<numericvalue name="Data_Transferred_Per_Mount_Write" desc="Data Transferred Per Mount
Write" timestamp="2009-05-11T15:48:45">0</numericvalue>

</data>
<timestamp>2009-05-11T15:55:05</timestamp>
</serviceupdate>
```