

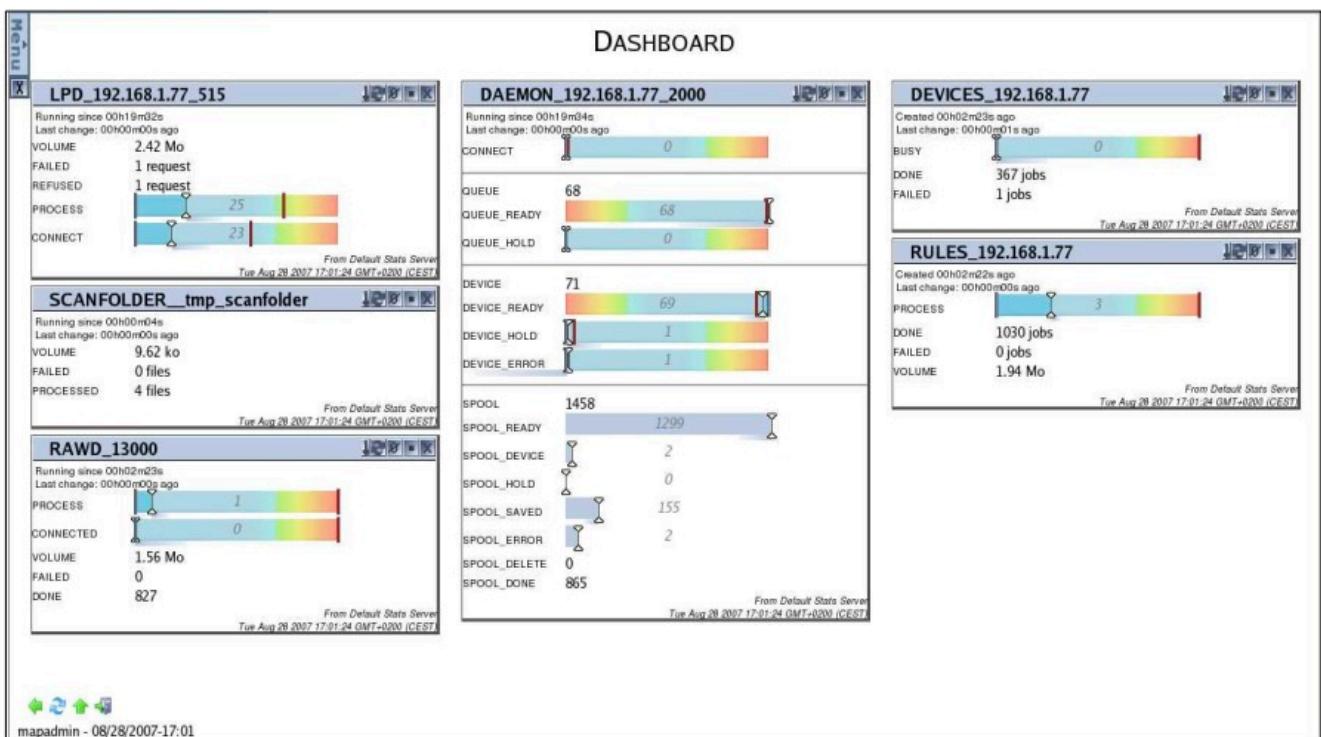
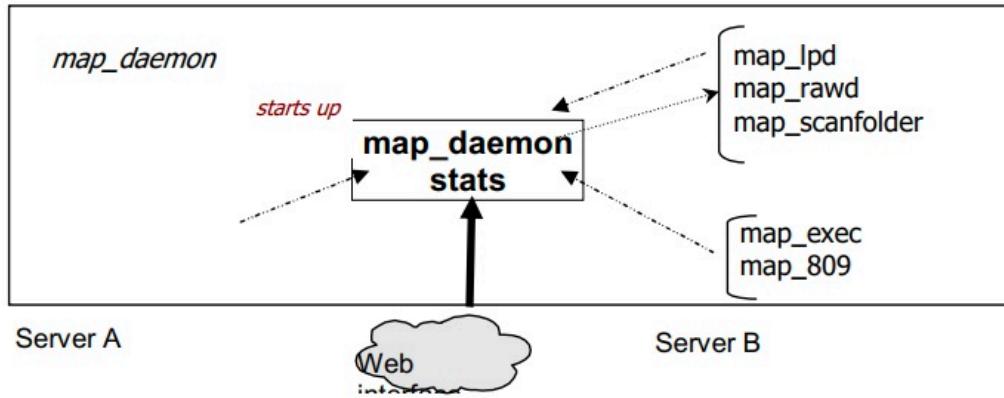
Guide d'utilisation du dashboard

Introduction

The Dashboard gathers statistics about the Mapping spooler on UNIX and Windows. To open the Dashboard, go back to the start page and click the Dashboard menu picture.

General workflow

When the spooler's daemon starts up, a parallel server is also started at the same time to collect information about the spooler. The key processes of the spooler connect to that server to send information in a transparent way. Through a Web interface, the user can interrogate one or more servers and generate statistics on the dashboard to see at a glance how the different spooler processes are working.



Configuration

The spooler configuration file (mapping.conf) must include the following block.

```
#MAP_STATD CONFIG
[MAPSTATD_ID] map_statd.ID
[MAPSTATD_SERVER_IP] 192.168.1.XX
[MAPSTATD_PORT] 7828
[MAPSTATD_SERVERSTDIN] /dev/null
[MAPSTATD_SERVERSTDOUT] /tmp/map_statd.out
[MAPSTATD_SERVERSTDERR] /tmp/map_statd.err
[PATH_MAP_STATD] map_statd
[MAPSTATD_CONFIGFILE] /etc/mapping/statDaemon.cfg
```

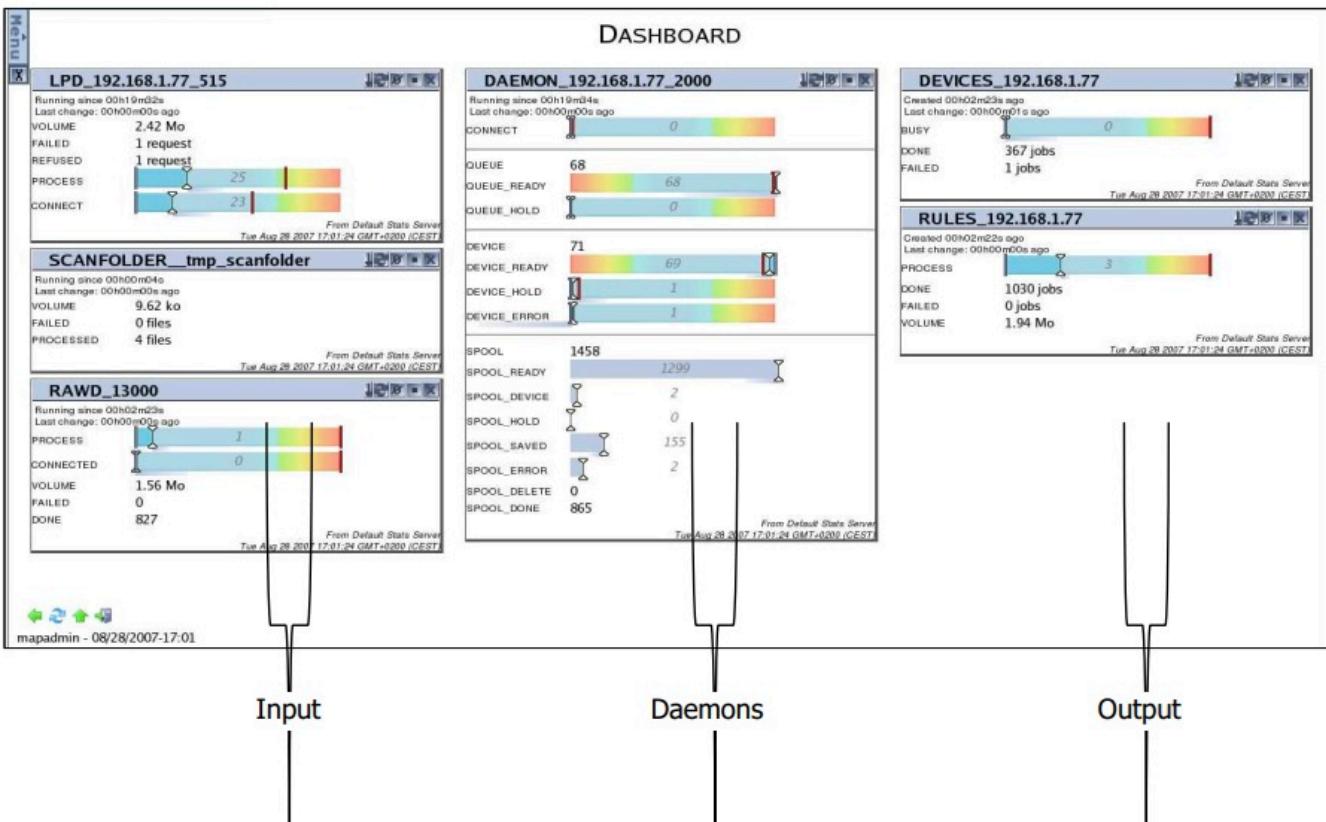
The file specified in [MAPSTATD_CONFIGFILE] is used to configure some of the settings of the variables that will be checked.

Example:

```
<strong>&lt;daemon</strong>*<strong>&gt;</strong>
  <strong>&lt;spool_error&gt;</strong>
    <strong>&lt;limit&gt;</strong>33<strong>&lt;/limit&gt;</strong>
  <strong>&lt;/spool_error&gt;</strong>
  <strong>&lt;spool_</strong>*<strong>&gt;</strong>
    <strong>&lt;limit&gt;</strong>1000<strong>&lt;/limit&gt;</strong>
  &lt;/spool_*&gt;
&lt;/daemon*&gt;
```

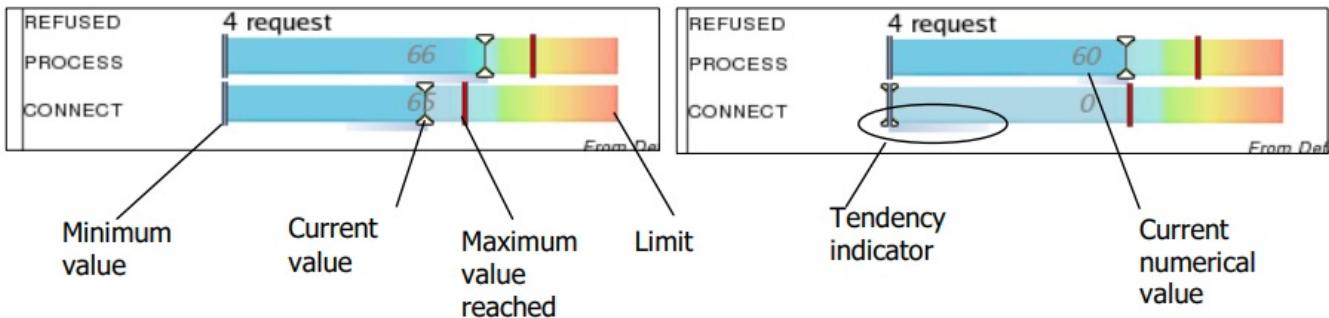
This will set the maximum number of spool files displayed in error to 33 and the other types of spool files to 1000 for all the daemons watched over by this server.

Note : This file is optional

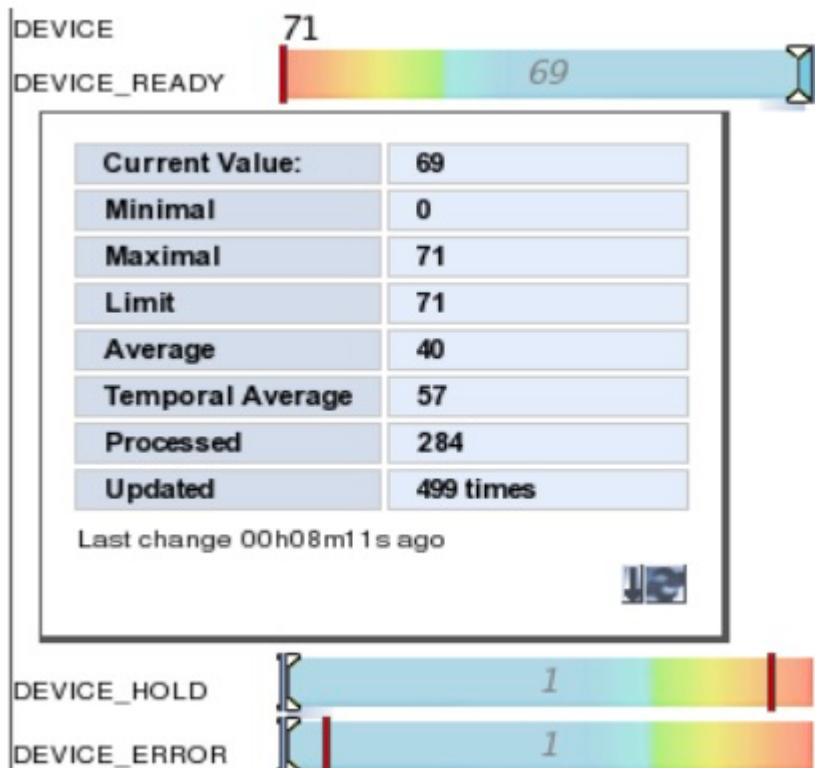


Level gauges with level indicators

The elements monitored that are subject to variations are displayed using level gauges so the user can easily see if the system limits are reached, if the variation amplitude is high and if they tend to vary quickly



Detailed statistics



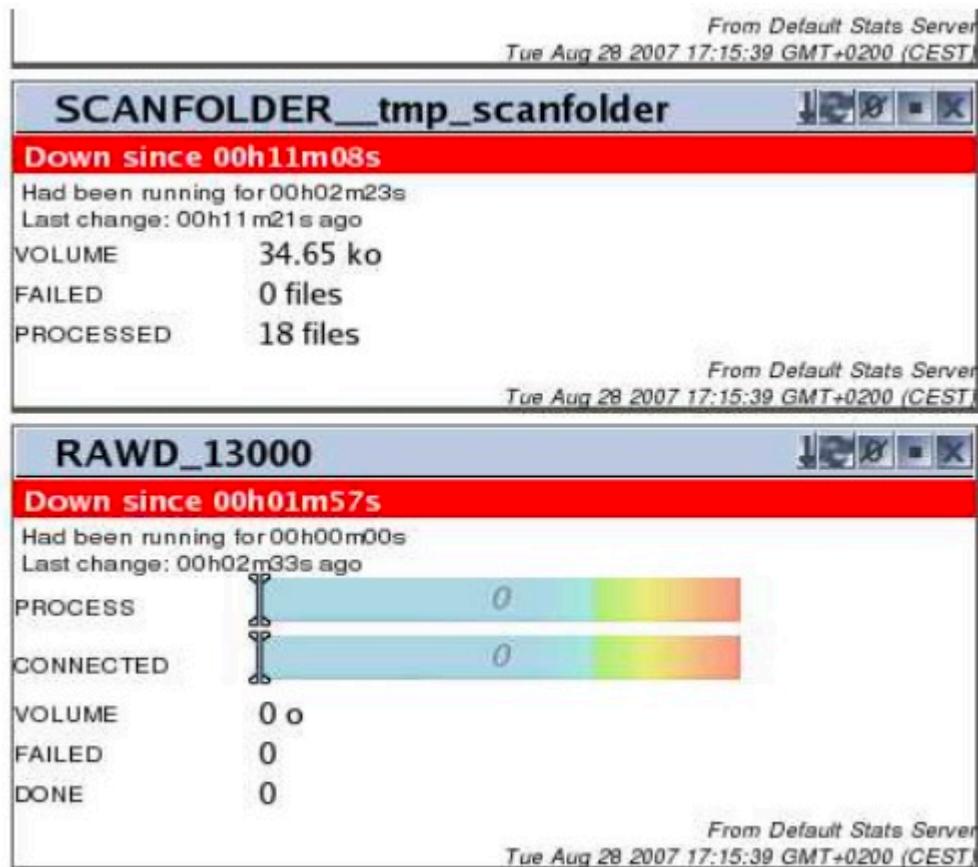
Click any of the lines to show a table of detailed statistics.

Note that all the data will not be relevant in all cases.

- Current Value: the value currently achieved
- Minimal: the minimum value reached
- Maximal: the maximum value reached
- Limit: theoretical maximum value that can be reached (red zone)
- Average: arithmetical average (sum of values divided by the number of elements)
- Temporal average: Average value weighted by time (the longer a specific value is reached, the more weight it has in the average)
- Processed: the number of elements processed (e.g. for SP00L_ERROR, Current Value is the number of spool files in error at a given instant, whereas Processed shows the total number of spool files in error).
- Updated: the number of times this line has been updated.

Monitoring how the processes stop

If processes of 'daemon' type that send information to the statistics server should stop, a messadisplay showing when they stopped and how long they had been running before they stopped



Server aggregate

From the Dashboard interface, different servers can be watched at a time. To do so, click the icon under the contextual menu to open the management window. Enter the address of the server under the form IPaddress:port (the default port being 7828, and STAT on a telephone keypad) and confirm. If the server is available, its data will be added and the name of the server will be added to the list. If, on the other hand, the server is not available, an error message will display.

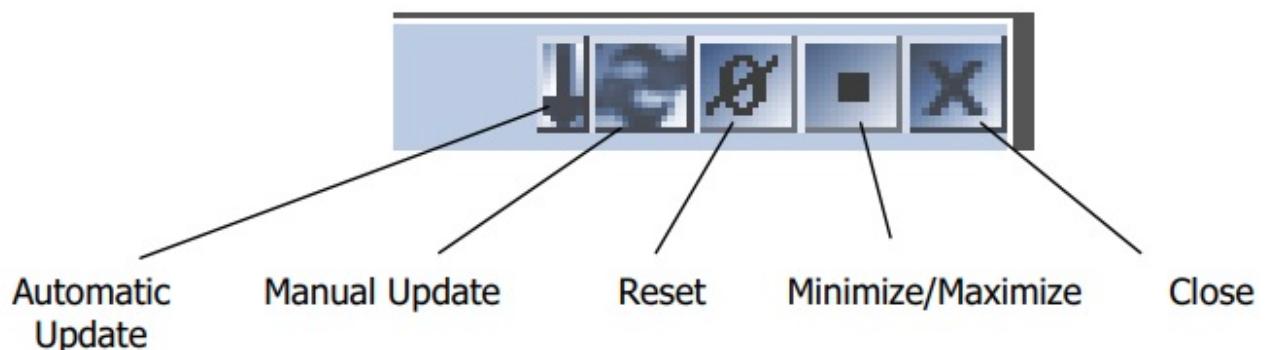
The image shows a screenshot of the ScanFolder interface. At the top left is a 'Menu' button. Below it is a 'Default Stats Server' block with the IP '192.168.1.43:7828' and a magnifying glass icon. The main area contains several stats blocks and a dashboard:

- AGREGATE** block: Shows 'Default Stats Server' and '192.168.1.43:7828'.
- SCANFOLDER_tmp_scanfolder** block: Shows 'VOLUME' (69.29 ko), 'FAILED' (0 files), and 'PROCESSED' (36 files).
- DAEMON_192.168.1.77_2000** block: Shows 'CONNECT' (0), 'QUEUE' (13), 'QUEUE_READY' (13), 'QUEUE_HOLD' (0), 'DEVICE' (13), 'DEVICE_ERROR' (1), 'DEVICE_HOLD' (0), and 'DEVICE_READY' (12).
- DAEMON_192.168.1.123_2000** block: Shows 'CONNECT' (0), 'QUEUE' (0), 'QUEUE_READY' (0), 'QUEUE_HOLD' (0), 'DEVICE' (0), 'DEVICE_ERROR' (0), 'DEVICE_HOLD' (0), and 'DEVICE_READY' (0).
- DAEMON_192.168.1.143_2000** block: Shows 'CONNECT' (0), 'QUEUE' (0), 'QUEUE_READY' (0), 'QUEUE_HOLD' (0), 'DEVICE' (0), 'DEVICE_ERROR' (0), 'DEVICE_HOLD' (0), and 'DEVICE_READY' (0).
- DEVICES_192.168.1.77** block: Shows 'BUSY' (0), 'DONE' (68 jobs), and 'FAILED' (1 jobs).
- RULES_192.168.1.77** block: Shows 'PROCESS' (0), 'FAILED' (0 jobs), and 'VOLUME' (404.21 ko).
- LPD_192.168.1.123_515** block: Shows 'CONNECT' (0), 'PROCESS' (0), 'REFUSED' (0 request), 'FAILED' (0 request), and 'VOLUME' (0 o).
- LPD_192.168.1.143_515** block: Shows 'CONNECT' (0), 'PROCESS' (0), 'REFUSED' (0 request), 'FAILED' (0 request), and 'VOLUME' (0 o).

The dashboard at the bottom right shows 'Created 00h09m24s ago' and 'Last change: 00h11m32s ago'.

Toolbar

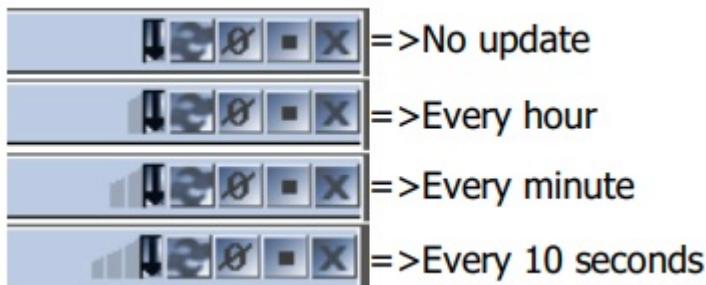
Each stats block comes with a toolbar to do different things.



Automatic Update

This option is available for servers, stats blocks and individual stats. It will automatically update the status at regular intervals, from every 10

seconds to every hour (intervals subject to change!). Click once to switch to the next interval as shown in the following screen capture.



Reset

Use this to reset the statistics of 'counter' type (number of spool files, volume processed ...)

SCANFOLDER__tmp_scanfolder

Running since 00h05m29s
Last change: 00h03m26s ago

VOLUME	26.95 ko
FAILED	0 files
PROCESSED	14 files

From Default Stats Server
Tue Aug 28 2007 17:26:42 GMT+0200 (CEST)

La page sur <http://192.168.1.77:8002> dit :

Are you sure to reset stats of SCANFOLDER__tmp_scanfolder ?

Annuler OK

SCANFOLDER__tmp_scanfolder

Running since 00h00m00s
Last change: 00h11m42s ago

VOLUME	0 d
FAILED	0 files
PROCESSED	0 files

From Default Stats Server
Tue Aug 28 2007 17:34:58 GMT+0200 (CEST)

Setting limits

To edit the level gauge limits, click the Modify icon that appears when gliding over the Limit field. Note that the change is volatile i.e. it will

be reset to the initial value the next time the system starts up. Also, the change will be made visible to all users.

