

Monit web status to JSON with PHP

Show monit status in JSON for other software to understand.

Monit^[1]'s web interface is pretty easy to read for a human, but incredibly ugly to parse. In order to show a machine-readable output, it needs to be parsed to JSON.

You'll need PHP Simple HTML DOM Parser^[2] for it, and this script to show the JSON output: [monit2json.php](#)

```
<?php
include ('simple_html_dom.php');
$html = file_get_html('http://127.0.0.1:2812/');

$content = array();

$ctr_table = 0;
foreach ( $html->find('table[id=header-row]') as $table ) {

    $ctr_tr = 0;
    foreach ( $table->find('tr') as $tr ) {

        $ctr_td = 0;
        foreach ( $tr->find('th') as $th ) {
            $columns [ $ctr_td ] = strip_tags ( $th->innertext );
            $ctr_td++;
        }

        $ctr_td = 0;
        foreach ( $tr->find('td') as $td ) {
            $content[ $ctr_table ][ $ctr_tr ]
[ $columns[ $ctr_td ] ] = strip_tags ( $td->innertext );
            $ctr_td++;
        }
    }
}
```

php

```

    }

    $cntr_tr++;
}

$cntr_table++;
}

foreach ( $contents as $table ) {
    foreach ( $table as $process ) {
        if ( isset ( $process['Process'] ) ) {
            $proc = $process['Process'];
            unset ( $process['Process'] );

            $out[ $proc ] = $process;
        }
    }
}

$out = json_encode ( $out, JSON_PRETTY_PRINT );
echo $out;

```

Result:

```

{
  "sshd": {
    "Status": "Running",
    "Uptime": "2d 20h 1m ",
    "CPU Total": "0.0%",
    "Memory Total": "5.6% [28904 kB]"
  },
  "rsyslogd": {
    "Status": "Running",
    "Uptime": "49d 4h 50m ",
    "CPU Total": "0.0%",
    "Memory Total": "1.8% [9344 kB]"
  },
  "postfix": {
    "Status": "Running",
    "Uptime": "21d 21h 45m ",
    "CPU Total": "0.0%",

```

json

```
    "Memory Total": "4.3% [22236 kB]"
  },
  "php5-fpm": {
    "Status": "Running",
    "Uptime": "1h 0m ",
    "CPU Total": "0.0%",
    "Memory Total": "29.1% [147824 kB]"
  },
  "nginx": {
    "Status": "Running",
    "Uptime": "51m ",
    "CPU Total": "0.0%",
    "Memory Total": "2.7% [13816 kB]"
  },
  "mysqld": {
    "Status": "Running",
    "Uptime": "7d 21h 59m ",
    "CPU Total": "0.0%",
    "Memory Total": "16.9% [86180 kB]"
  },
  "memcached": {
    "Status": "Running",
    "Uptime": "1d 3h 40m ",
    "CPU Total": "0.0%",
    "Memory Total": "5.7% [29080 kB]"
  },
  "fail2ban": {
    "Status": "Running",
    "Uptime": "21d 21h 37m ",
    "CPU Total": "0.0%",
    "Memory Total": "0.8% [4536 kB]"
  },
  "dspam": {
    "Status": "Running",
    "Uptime": "56d 21h 28m ",
    "CPU Total": "0.0%",
    "Memory Total": "4.5% [22936 kB]"
  },
  "dropbear": {
    "Status": "Running",
    "Uptime": "79d 4h 8m ",
```

```
    "CPU Total": "0.0%",
    "Memory Total": "0.0% [180 kB]"
  },
  "dovecot": {
    "Status": "Running",
    "Uptime": "21d 21h 45m ",
    "CPU Total": "0.0%",
    "Memory Total": "9.3% [47364 kB]"
  },
  "crond": {
    "Status": "Running",
    "Uptime": "47d 23h 59m ",
    "CPU Total": "0.0%",
    "Memory Total": "0.0% [224 kB]"
  },
  "collectd": {
    "Status": "Running",
    "Uptime": "3d 1h 20m ",
    "CPU Total": "0.2%",
    "Memory Total": "1.1% [5596 kB]"
  }
}
```

Links

1. <http://mmonit.com/monit/>
2. <http://simplehtmldom.sourceforge.net/>

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