

CONSOLE DE MONITORING

INTRODUCTION



Available starting from BlueMind version 3.5.5, the monitoring console is a tool that enables you to check the health of a BlueMind server quickly. It checks server settings, memory and available space as well as many internal BlueMind components.

All checks can be accessed through the API, which means the monitoring console can be integrated into all monitoring systems. Please note that it does not substitute for a monitoring system and does not manage result history.

INSTALLATION

Install the *node-monitoring* plugin on all servers:

```
| aptitude install bm-plugin-node-monitoring
```

Then the following two plugins on the main server:

```
| aptitude install bm-plugin-core-monitoring bm-plugin-admin-console-monitoring
```

The first enables you to communicate with previously installed nodes and the second provides the admin console's graphical interface.

Finally, restart BlueMind:

```
| bmctl restart
```

USING THE MONITORING CONSOLE

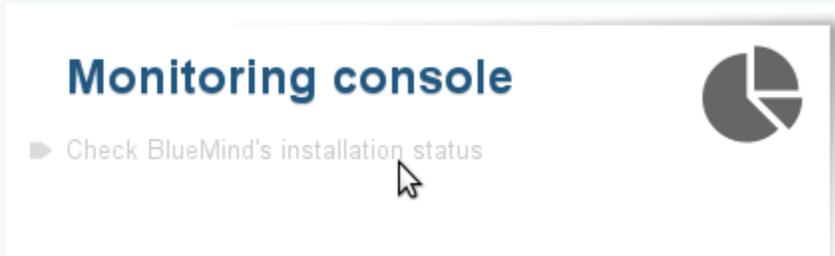
Once installed, a new section named "Monitoring console" appears in the admin console:

The screenshot displays the BlueMind Administration interface. The top navigation bar includes the BlueMind logo, "Administration" with a wrench icon, and a user profile for "Admin". Below the navigation bar, the "Central administration" section is active. A sidebar on the left lists menu items: Directories, System Management, Security, Monitoring console, and Backup and Restore. The main content area is divided into four panels: "Directories" (with sub-items: Create User, Create group, Directory Browser), "System Management" (with sub-items: Application servers, Manage Domains, Planning, Manage Messaging system), "Security" (with sub-items: Modify Certificate, Manage firewall), and "Backup and Restore" (with sub-items: Configuration, DataProtect navigator). A "Monitoring console" panel is highlighted, containing a link to "Check BlueMind's installation status". The background features a decorative graphic of overlapping hexagons in blue and yellow.

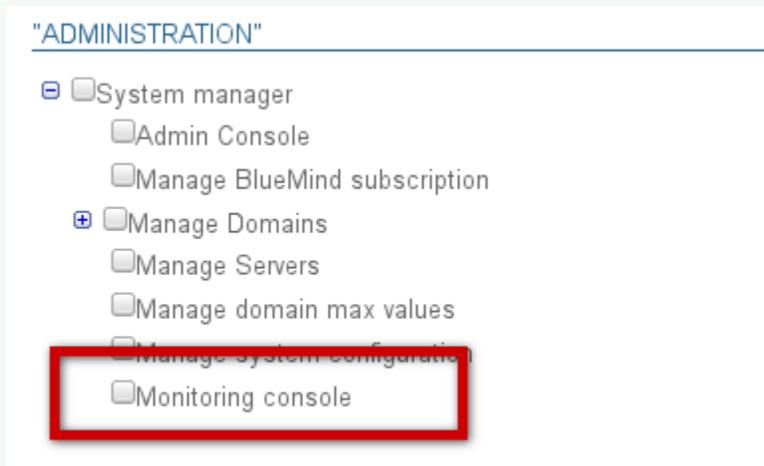
javascript::

Access to the monitoring console

Access to the monitoring console is subject to the assignment of a role. Administrators with access to the admin console will see the new section, but it remains grayed out until they are assigned the proper role.



To enable access to this section, the user/administrator must be granted the new role now available in the user's directory entry form ("General" tab):



To find out more about user roles, go to the page *Gestion des entités > Users*

Clicking the link opens the monitoring scripts and shows the status of the server and services:

BlueMind Administration | Admin | global.virt

Central administration > Monitoring console > BlueMind monitoring > Check BlueMind's installation status

General information
42 user accounts
26 groups
Subscription expiration date: Tue Mar 31 02:00:00 GMT+200 2020
Installed BlueMind version: 3.5.5 (3.1.22768)

CPU model
Intel(R) Core(TM) i7 CPU 920 @ 2.67GHz
RAM size
7985.29MB
Disks usage

Plugin	Service	Endpoint	Server	Server informat	Message
system	cpu	load	bm	Success	The CPU was working at less than 70% the last 5 minutes
system	cpu	load	bm	Success	The CPU was working at less than 70% the last 15 minutes
system	disks	usage	bm	Success	server has enough free space
system	dns	responses	bm	Success	DNS server resolves correctly domain names
system	leaks	check	bm	Success	No leak was found
system	memory	usage	bm	Success	Less than 90% of the RAM is used
services	core	connection	bm	Success	The connection test was successful
services	core	running	bm	Error	The connection test failed
services	core	memory	bm	Success	core memory usage is OK (16.33986928104575%)
services	cyrus	connection	bm	Success	The connection test was successful
services	cyrus	running	bm	Error	Hprocs were found cyrus must be restarted
services	cyrus	processes	bm	Success	Number of IMAP connection is good
services	eas	connection	bm	Success	The connection test was successful
services	eas	running	bm	Success	eas runs normally
services	eas	memory	bm	Success	eas memory usage is OK (7.8431372549019605%)
services	elasticsearch	connection	bm	Success	The connection test was successful
services	elasticsearch	running	bm	Success	elasticsearch runs normally
services	elasticsearch	status	bm	Success	The heap is not too filled
services	elasticsearch	status	bm	Success	There is a correct amount of file descriptors

- The "General information" section shows general BlueMind information: number of users and groups, subscription information, installed version

- the top right corner shows the system information for the main server BlueMind is installed on
- the main section shows the status of services.



- The buttons allow you to filter the processes according to their status: the table will show the services whose status match the button(s) that are enabled.
- Clicking a column header sorts that column alphabetically.
Clicking a column that is already sorted reverses that column's sorting order.