

BES Dashboard - Snmp

Overview

The following Guideline describes the way how you can use the BES Dashboard for alerting and explains also what snmp keys are playing an important role for the core monitoring.

BES5

Important SNMP keys

Server Instance: 1.3.6.1.4.1.3530.5.20.1.1.x

the last digit represents the server instance id(e.g. 1.3.6.1.4.1.3530.5.20.1.1.**21**)

SRP Connect State: 1.3.6.1.4.1.3530.5.25.1.209.x

the last digit represents the server instance id (e.g. 1.3.6.1.4.1.3530.5.25.1.209.**21**)

Cluster Availability State: 1.3.6.1.4.1.3530.6.7.10.10.15.1.2.x.x

the second last digit represents a fixed number (often "1"); the last digit is again the server instance id (e.g. 1.3.6.1.4.1.3530.6.7.10.10.15.1.2.**1.21**)

Cluster Failover State: 1.3.6.1.4.1.3530.6.7.15.10.20.1.2.x.x

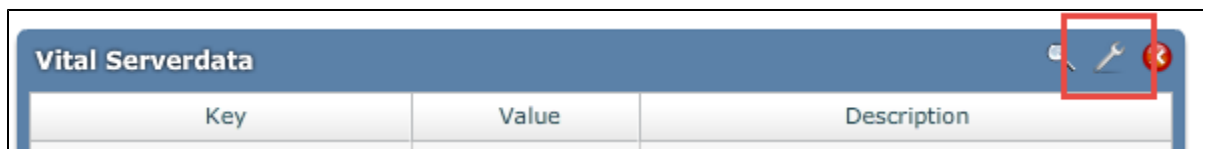
the second last digit represents a fixed number (often "1"); the last digit the dispatcher server id (dispConfigServerId) (e.g. 1.3.6.1.4.1.3530.6.7.15.10.20.1.2.**1.3**)

....and there are thousands of other snmp keys available which you could utilize with the Dashboard,

Configuration

If you are running a cluster environment, we recommend to add the following keys to the Vital Serverdata table

- click on the "wrench tool" to start the configuration



- Add the Server instance and Cluster Info to the table based on the snmp keys above
search for the keys and drag & drop them to the selected properties table

Edit List

Edit List

Step 2 of 4: Select Properties

Properties available for monitoring

1.3.6.1.4.1.3530.5.20.1.1

Name	Description
besConfigVersionString	BlackBerry Server version information.
besConfigServerInstance	BlackBerry Server instance number (1..n).
besConfigReleaseServicePack	Service Pack release.

Edit List

Edit List

Step 2 of 4: Select Properties

Properties available for monitoring

1.3.6.1.4.1.3530.6.7.10.10.15.1.2

Name	Description
besagentHAConfigPropertyhAMode	Specifies whether the high availability mode of the o 1.3

Edit List

Edit List

Step 2 of 4: Select Properties

Properties available for monitoring

1.3.6.1.4.1.3530.6.7.15.10.20.1.2

Name	Description
dispatcherHAStatsPropertyhAMode	Specifies whether the high availability mode of the o

- press next
- now lets add a notification
the notification should be triggered if a server, which acts currently as the primary cluster server, switches the failover mode from automatic to manual

Sensor Action Settings

BESDashboard Notification in GreenLight

Step 1 of 2: Alert Condition

Name

Conditions

Advanced Options

Timeframe Options

☐ Run this action when ...

Status

☒ Run this action when ...

```

${result.values['1.3.6.1.4.1.3530.5.20.1.1.21'] == 21 &&
result.values['1.3.6.1.4.1.3530.6.7.10.10.15.1.2.1.21'] == 1 &&
result.values['1.3.6.1.4.1.3530.6.7.15.10.20.1.2.1.3'] == 2}

```

copy/paste:

```

${result.values['1.3.6.1.4.1.3530.5.20.1.1.21'] == 21 && result.values['1.3.6.1.4.1.3530.6.7.10.10.15.1.2.1.21'] == 1 && result.values['1.3.6.1.4.1.3530.6.7.15.10.20.1.2.1.3'] == 1}

```

IMPORTANT: the bold numbers in the string differs in your environment! So please check first the instance id as as well the dispatcher server id.

- enter the notification text

Type ☐ Send Status Reset Message ☐ Override Message Text

Message

Templates

Short Text

Text