

Domino Disk Statistics

Introduction

This Sensor allows you to monitor in detail all existing Partitions / Disks and Volumes of the Host itself.

One of the areas which one can monitor is the DAOS and Translog partition.

In order to monitor this, the greenlight notes id needs to have enough privileges to issue remote console commands on the server. If this is not the case you would see on the server console something like

02/13/2017 10:51:45 PM Error issuing remote console command 'Ishow config TRANSLOG_STATUS' from GREENLIGHT-BOT/panagenda: You are not authorized to use this remote console command on this server

02/13/2017 10:51:45 PM Error issuing remote console command 'Ishow config DAOSENABLE' from GREENLIGHT-BOT/panagenda: You are not authorized to use this remote console command on this server

In addition to that one can define size categories for the different disk sizes. So you would assign different warning/failure thresholds to those categories.

The screenshot shows the configuration page for the 'Domino Disk Statistics Sensor'. The sensor name is 'DiskUsage StoreDB DataDiskAlert' and its status is 'Enabled'. There is a checkbox for 'Generate statistics for transaction log and DAOS disks' which is checked. Below this, there are three columns of settings: 'Size', 'Warning Threshold', and 'Failure Threshold'. Each column has five rows corresponding to disk sizes: 1 GB, 10 GB, 50 GB, 200 GB, and 500 GB. The 'Warning Threshold' column has values of 2, 10, 15, 20, and 30. The 'Failure Threshold' column has values of 1, 5, 10, 15, and 20. Each threshold is followed by a 'GB' unit and a dropdown arrow. At the bottom right, there are buttons for 'Trigger Measurement', 'Remove Sensor', and a green button with a plus sign.

Size	Warning Threshold	Failure Threshold
1 GB -	2	1
10 GB -	10	5
50 GB -	15	10
200 GB -	20	15
500 GB -	30	20

e.g. if a disk is 200GB large, then it falls into the third category where the critical failure threshold is set on < 3% of available disk space.

With this kind of configuration you are completely flexible when it comes to alerting.

As a condition you could select the following

The screenshot shows the 'Alert Condition' configuration page. It has a tab for 'Message' and a section for 'Conditions'. Under 'Conditions', there are two radio buttons: 'Run this action when ...' and 'Run this action when ...'. The first radio button is selected, and it has a dropdown menu with 'Number of disks above Failure threshold' and a value of '0'. The second radio button is unselected, and it has a text box with the expression '\$(result != null)'. Below the conditions section, there is a button for 'Expr. Templates'. At the bottom right, there are buttons for 'Trigger Measurement', 'Remove Sensor', and a green button with a plus sign.

Run this action when ...

Number of disks above Failure threshold > 0

Run this action when ...

\$(result != null)

As a output (e.g. mail notification) you could use the following expressions

number of disks exceeding ANY of the failure thresholds: `${result.statistics['greenlight.disk.events.failure.count']}`

disk label of disks exceeding ANY of the failure thresholds: `${result.statistics['greenlight.disk.events.failure']}`