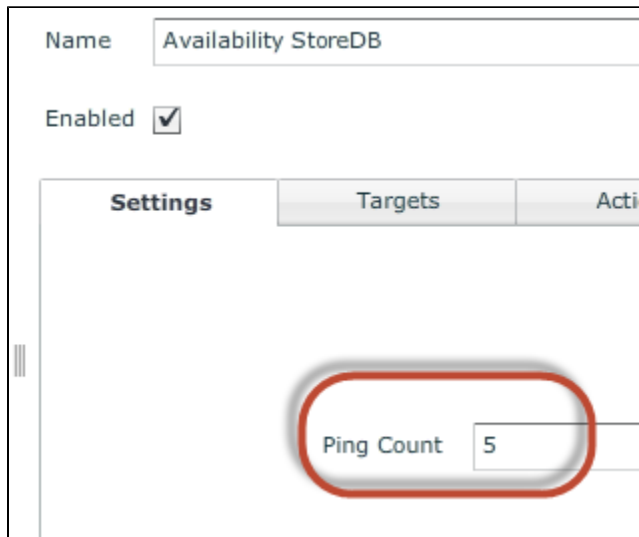# Monitoring the Host and Domino Server

Introduction

Starting with GreenLight v2.9.5, we have added some enhancements within the Domino Availability Sensor. The new functionality gives you the advantage that you can distinguish now if the Domino Server became unavailable because the underlying host went down OR because the domino Server itself is having issues.

The following example shows how you can configure such Sensor.

Configuration

Domino Availability Sensor

On the Settings Tab you can define now the amount of pings which are executed during a measurement cycle.

Assigning Actions:

In this example we assign only a simple Notification action:

<u>Notification for "Domino down":</u>

Select "Servers Responding Pct. " in the Condition pane and choose !=100

Under Advanced options, please select the new Option "Do not execute if server cannot be pinged successfully"

Sensor Action Settings

Notification in GreenLight [...targets.pctresponding != 100]

Step 1 of 2: Alert Condition

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Conditions

Advanced Options

- ☐ Run this action when sensor measurement fails.
- ☐ Do not execute this action until event has occurred for [2] consecutive times.
- ☐ Do not execute action more than [1] time(s) until status changes.
- ☐ Do not execute action if Network Authority cannot be reached.
- ☑ Do not execute action if server cannot be pinged successfully.
- ☐ Only run this action during specified business hours (see server settings).
- ☐ Do not run this action during specified business hours (see server settings).
- ☐ Only run this action during specified maintenance periods (see server settings).
- ☐ Do not run this action during specified maintenance periods (see server settings).

[< Back]   [Next >]

Specify a Message text for the unavailability

Sensor Action Settings

Notification in GreenLight [...targets.pctresponding != 100]
Step 2 of 2: Notification Message

Type   Failure ▼   ☑ Send Status Reset Message   ☑ Override Message Text

Message	**Status Reset Message**

Templates   Custom ... ▼

Short Text   Server ${gl:commonName(config.nodeDefinition.name)} is unavailable

Text   Server: ${gl:commonName(config.nodeDefinition.name)} is down

Expr. Templates   🗄

< Back   Finish

If you like you can set a "good message" whenever the server becomes available again (see also: Good Message)

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Sensor Action Settings

Notification in GreenLight [...targets.pctresponding != 100]
Step 2 of 2: Notification Message

Type Failure ▼ ☑ Send Status Reset Message ☑ Override Message Text

Message | **Status Reset Message**

Short Text Server ${gl:commonName(config.nodeDefinition.name)} is available

Text Server ${gl:commonName(config.nodeDefinition.name)} is BACK again

Expr. Templates 🗄

< Back Finish

Notification for "HOST down":

Select the radio button "*Run this action when…*" and enter the following string:

${result.details['greenlight.availability.ping.packets.received']==0}

If the ping does not get any reply, the value will be zero and therefore the action gets triggered.

On the Advanced options tab make sure that the checkbox for **"***Do not execute if server cannot be pinged successfully***"** is **not** checked.

Adjust the Message text according to your needs and **Save / Close** the Sensor.

The following statistics have been added to the Domino Availability Sensor:

Key	Value	Description
greenlight.availability.cronus/panagenda.cluster.members	CN=cronus/O=pa...	List of cluster member names, separated by comma.
greenlight.availability.cronus/panagenda.cluster.name	pana-main	Name of the cluster
greenlight.availability.index.avg	78 %	Availablity index of target. In case of cluster this represents the aver
greenlight.availability.latency.status	0	Lotus Notes API return status for latency request
greenlight.availability.latency.total	0 ms	The combined time in milliseconds used for a request to a client to a
greenlight.availability.ping.packets.loss.percent	0	
greenlight.availability.ping.packets.lost	0	
greenlight.availability.ping.packets.received	5	
greenlight.availability.ping.packets.sent	5	
greenlight.availability.responding	1	Is sever responding to requests (even if not accessible by GreenLig
greenlight.availability.status	0	Lotus Domino API status code
greenlight.availability.targets.available	1	Number of cluster members, currently available
greenlight.availability.targets.pctavailable	100 %	Percentage of cluster members, currently available
greenlight.availability.targets.pctresponding	100 %	Percent of servers responding to requests (even if not accessible by
greenlight.availability.targets.responding	1	Number of servers responding to requests (even if not accessible by
greenlight.availability.targets.total	1	Total number of members in this cluster

So you can make use of a bunch of new statistics for alerting and charting !

Conclusion

From now on you get two different notifications depending if the host or just the domino is down.