

Monitoring Critical Views

Introduction

This article will show you how you can make use of the new stats in your environment via GreenLight.

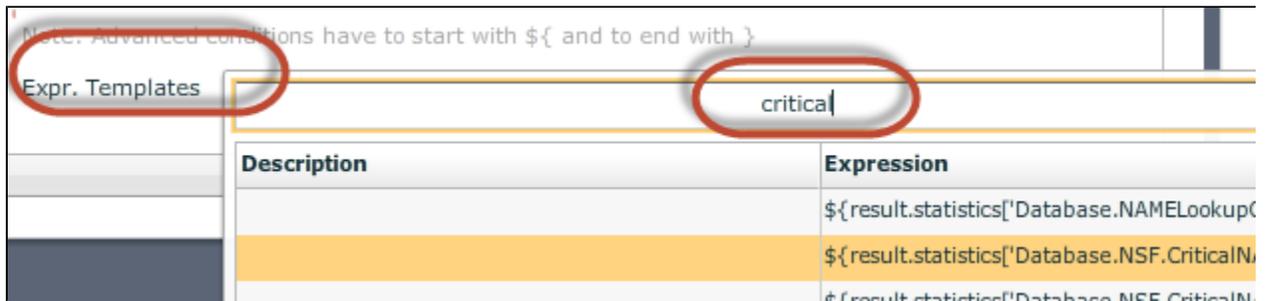
Example

Configuration

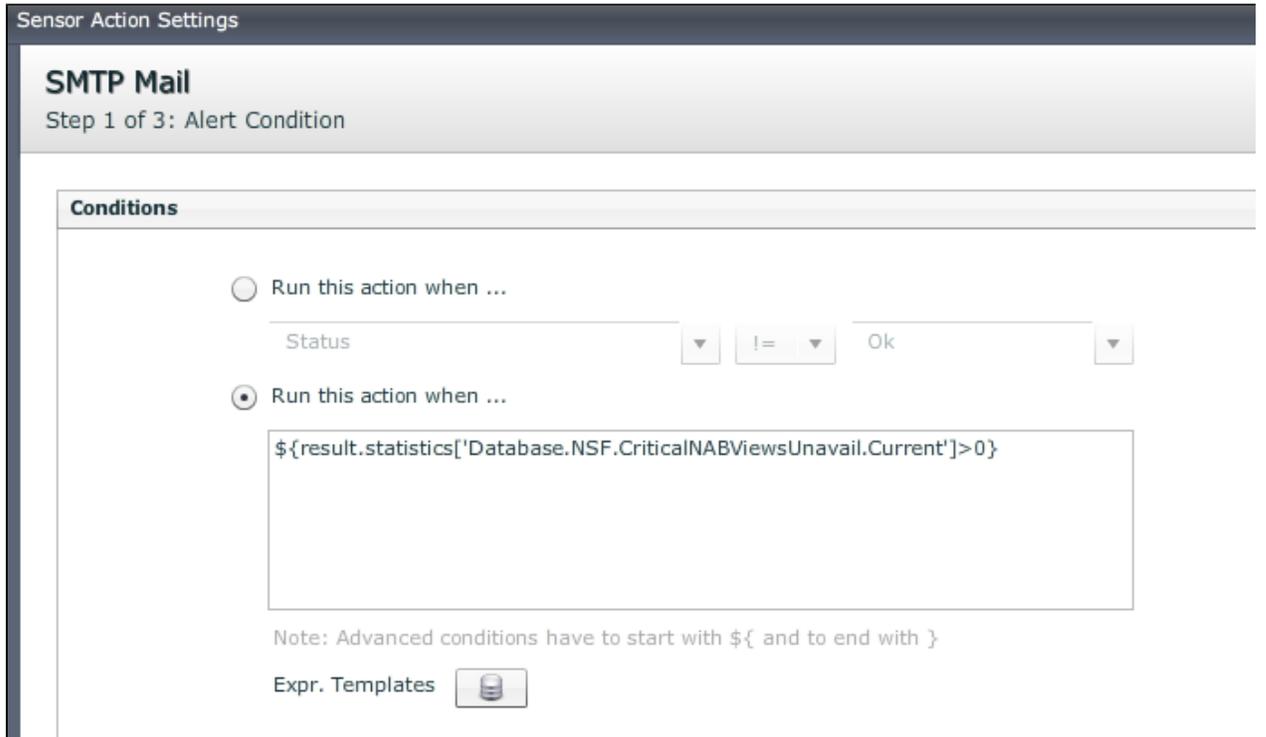
First of all we need to have a *Domino Statistics* sensor in place which monitors the Domino 9.x server. Please make sure that there is no restriction specified in the *Statistic Filter* field (Settings TAB).

Alerting in case a critical view is unavailable

- Create an action (SMTP, Sametime, ...)
- Select *Run this action when...* and delete the existing line in the field
- Click on the *Expr. Templates* icon so that you get the list of all available "expressions".
- Because we know a portion of the statistic name, just enter "critical" in the filter field



- Double click on the `${result.statistics['Database.NSF.CriticalNABViewsUnavail.Current']>}` value



-Add at the end of the line >0 so that you have the following string in place
\${result.statistics['Database.NSF.CriticalNABViewsUnavail.Current']>0}

-Optional: Expand the *Advanced Options* section and define the following settings

SMTP Mail [...Current >0]
Step 1 of 3: Alert Condition

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.

- Click next and populate the Notification text:

SMTP Mail
Step 2 of 3: Notification Message

Type: Warning

Templates: Custom ...

Short Text: Critical View on \${gl:commonName(config.nodeDefinition.name)} is unavailable

Text: There are \${result.statistics['Database.NSF.CriticalNABViewsUnavail.Current']} critical views unavailable. Pleas check immediately

Expr. Templates

-click on next and select a mail profile

FINISH

So whenever there is more than 1 critical NAB view unavailable for at least two measurement cycles (Advanced Options), you get a notification alert sent via SMTP.

Charting

To depict a line chart which shows you how often a critical view of the NAB and a DB was unavailable, just do the following.

-Create a Line Chart and add line series for:

Database.NSF.CriticalNABViewsUnavail.Current
Database.NSF.CriticalViewsUnavail.Current

Name: Critical Views

From: Mon, 24. Mar 2014 11:57

Until: Fri, 28. Mar 2014 17:57

Layout: Targets Schedule

Type	Data Item
Line Series	Domino Statistics - panadom90 - Database.NSF.CriticalNABViewsUnavail.Current - list of data points
Line Series	Domino Statistics - panadom90 - Database.NSF.CriticalViewsUnavail.Current - list of data points

Charting to Depict NSF Profile Sizes

To depict the total size of all your NSF Profiles of a Domino Server via a line chart, just do the following.

-Create a Line Chart and Add the line series: Database.NSF.Profile.NoteSizeCurrent

Name: Profile Storage

From: Mon, 10. Mar 2014 5:35

Until: Fri, 28. Mar 2014 8:35

Layout: Targets Schedule

Type	Data Item
Line Series	Domino Statistics - panadom90 - Database.NSF.Profile.NoteSizeCurrent - list of data points

Combine Critical View Information with the DB Access Sensor information

You can even go one step further in combining the Critical View Information together with the DB Access sensor elements.

Just create two *Domino DB Access* sensor where you monitor the \$Users and the \$Servers View from the names.nsf. Those two views are reporting to the CriticalNABViewsUnavail.Current statistic in case they are unavailable.

Find below one Line Chart example

Name: Critical View and DB Access Info

From: Fri, 28. Mar 2014 10:55

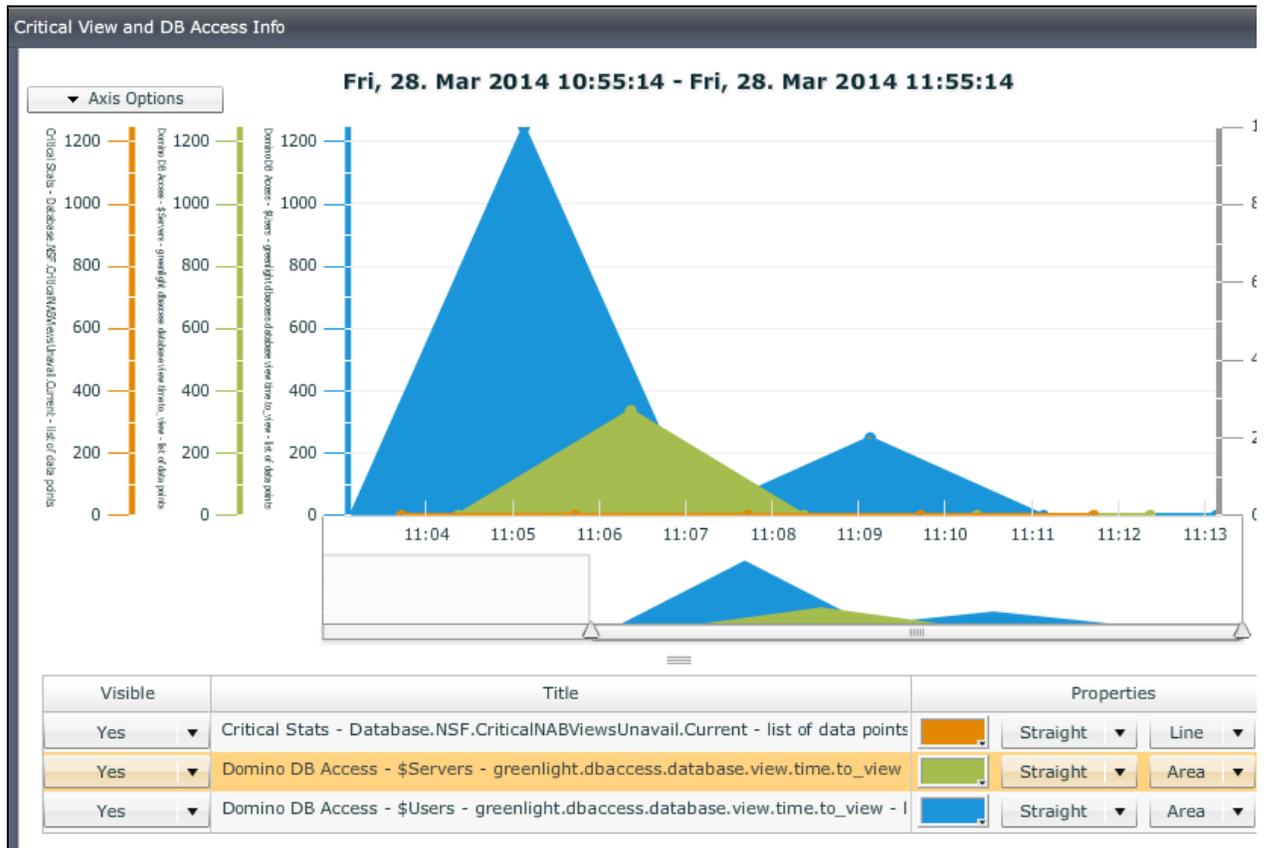
Until: Fri, 28. Mar 2014 11:55

Layout: Targets Schedule

Type	Data
Line Series	Critical Stats - Database.NSF.CriticalNABViewsUnavail.Current - list of data points
Line Series	Domino DB Access - \$Servers - greenlight.dbaccess.database.view.time.to_view - list of data points
Line Series	Domino DB Access - \$Users - greenlight.dbaccess.database.view.time.to_view - list of data points

So we grab the Info from the Critical NAB View statistic and compare this with the values coming from the DB Access sensor.

You may get the following graph



So whenever the CriticalNABViewsUnavailable reports "1" you may easily see which view name is having issues at the moment (one of the views - \$Users or \$Servers - will indicate a high access time)

Conclusion

With the new statistics IBM provides a full set of new possibilities. So you can expand your monitoring in a way where you get notified in advance for specific critical views.