Analyze the DBMT Output

Introduction

Starting with Domino 9, IBM introduced a new feature which allows you to configure the regular maintenance options to run automatically on schedule. DBMT (Database Maintenance Tool) includes a set of tasks such as Copy-Style compacting, Deletion Stub Purging and so on.

In addition to that, 11 additional Domino Statistics have been added which can be used for further analysis via GreenLight.


```
DBMT.Compact.BackLog = 0
DBMT.Compact.Began = 03/21/2014 09:11:33 CET
DBMT.Compact.Finished = 03/21/2014 09:12:32 CET
DBMT.Compact.Fixup = 0
DBMT.Compact.Successful = 23
DBMT.Compact.Unsuccessful = 2
DBMT.Compact.Unsuccessful.InUse = 2
DBMT.Compact.Unsuccessful.TimeLimit = 0
DBMT.Updall.Began = 03/21/2014 09:11:33 CET
DBMT.Updall.Finished = 03/21/2014 09:12:36 CET
DBMT.Updall.Processed = 25
11 statistics found
```

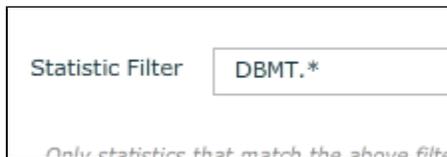This Article shows you few examples how to use this new information via GreenLight.

Example

Configuration

-Make sure DBMT is active in your environment: DBMT - IBM Link

-Create a Domino Statistics sensor which collects at least all DBMT statistics. (DBMT.*)
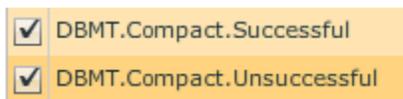If you have already a Domino Statistic sensor active which collects all information, then you are already fine.

Statistic Filter | DBMT.*

Only statistics that match the above filter

Create a Pie Chart:

-Click on *Charts* and create a new *Pie chart*
-Add the following two series to your chart definition and click *next*
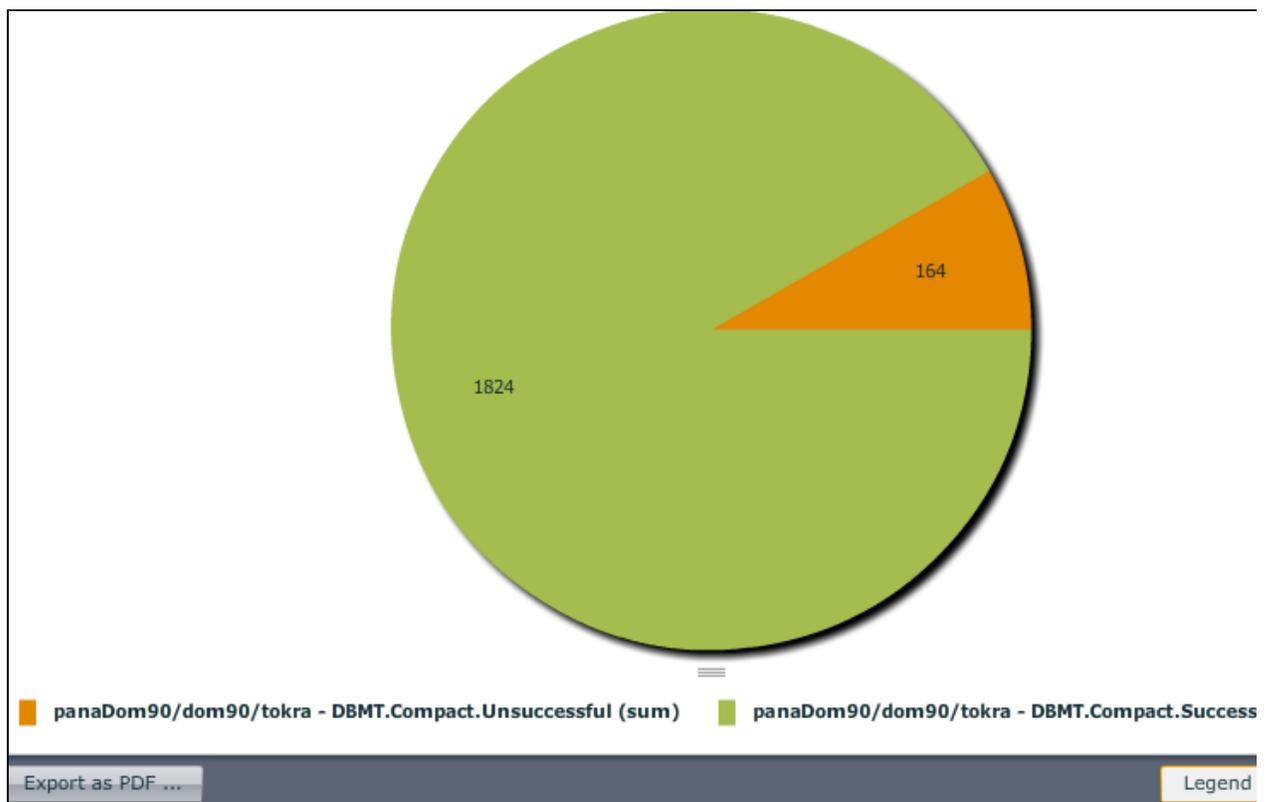

✔ DBMT.Compact.Successful

✔ DBMT.Compact.Unsuccessful

-retrieval method can be set to "*sum of values in time period*" (so we take the total successful/unsuccessful numbers)

y-Axis Minimum	0
y-Axis Maximum	*calculate automatically*
Ascending Value Filter	☐ enabled
Retrieval Method	sum of values in time period ▼

-Define you Target and your time period and *generate* the chart

The Outcome is something like this :

panaDom90/dom90/tokra - DBMT.Compact.Unsuccessful (sum) panaDom90/dom90/tokra - DBMT.Compact.Success

Export as PDF ...   Legend

For 1824 DBs the compact was successfull compared to 164 DBs where the compaction has failed.

Create a Line Chart:

-Click on Charts and create a new *Line chart*
- add the following statistic to your chart definition and click *next*

- leave the default retrieval method (*list of data points*) and hit *Finish*

- Define you Target and your time period and *Generate* the chart

The Outcome is something like this :

You get a simple depiction where you can easily find out if the maintenance tasks are performing fine over time. In the past such information did not exist at all (you had to parse the log.nsf for such info)

Action Alerts

In addition to Charts you can trigger certain Actions out of the Domino Statistic Sensor.
So for instance you can trigger a SMTP mail notification in case there are more than 20 DBs where the compact was unsuccessful. In that case the action looks the following:

- Open the *Domino Statistics Sensor* and add a *SMTP notification* action
- Select from the Expr. Templates: *${result.statistics['DBMT.Compact.Unsuccessful']}* and add the threshold value (in our case 20)

SMTP Mail
Step 1 of 3: Alert Condition

Conditions

○ Run this action when ...

Status　　　　　　　　　　▼　!=　▼　Ok

● Run this action when ...

${result.statistics['DBMT.Compact.Unsuccessful']> 20}

-Specify the text message

SMTP Mail
Step 2 of 3: Notification Message

Type　Information　▼

Templates　Custom ...　▼

Short Text　DBMT Event on Server: ${gl:commonName(config.nodeDefinition.name)}

Text　DBMT reported ${result.statistics['DBMT.Compact.Unsuccessful']} unsuccessful ev
Please check !

Expr. Templates　🗄

-Select a *Mail Profile* and click on *Finish*.

Conclusion

Analyze the Historical DBMT data and trigger real-time Actions based on your needs. So just use GreenLight to leverage the DBMT feature of Domino 🙂