



Consistent State

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Report Summary

Date: 2010-12-17

Stanford

ID: 1

Table of Contents

<u>Summary</u>	3
<u>Cluster: hmidb0</u>	4
<u>Subscribed Services</u>	4
<u>Service: Base</u>	5
<u>Indexes hmi.lev0a.lev0a_pkey and aia_test.lev1p5.lev1p5_pkey still struggling</u>	6
<u>Checkpoint and BGWriter Buffer Stats are the opposite of what we'd like to see</u>	6
<u>Total MB of traffic dropped</u>	6
<u>Autovacuum are high</u>	7
<u>High updates</u>	7
<u>Disk reads are a little high</u>	7
<u>Checkpoints are high</u>	8
<u>BGWriter Stops have improved</u>	8
<u>Sequential scans are still high</u>	8
<u>Cluster: hmidb2</u>	9
<u>Subscribed Services</u>	9
<u>Service: Slony</u>	10
<u>High lag times</u>	11

Summary

Status		
INFO	Cluster [hmidb0]; Service [base]: Index Scans	Indexes hmi.lev0a.lev0a_pkey and aia_test.lev1p5.lev1p5_pkey still struggling
WARN	Cluster [hmidb0]; Service [base]: Checkpoint and BGWriter Buffer Stats	Checkpoint and BGWriter Buffer Stats are the opposite of what we'd like to see
INFO	Cluster [hmidb0]; Service [base]: Traffic	Total MB of traffic dropped
INFO	Cluster [hmidb0]; Service [base]: Vacuum Stats	Autovacuum are high
INFO	Cluster [hmidb0]; Service [base]: Table Activity	High updates
INFO	Cluster [hmidb0]; Service [base]: Block Stats	Disk reads are a little high
WARN	Cluster [hmidb0]; Service [base]: Checkpoints	Checkpoints are high
INFO	Cluster [hmidb0]; Service [base]: BGWriter Stops	BGWriter Stops have improved
INFO	Cluster [hmidb0]; Service [base]: Table Scans	Sequential scans are still high
WARN	Cluster [hmidb2]; Service [slony]: Lag Times	High lag times

Cluster: hmidb0

Collector UUID: 423971c4-b256-11df-8c2d-0800274182f7

Cluster ID: 1

Host Name or IP: 192.168.0.49

Postgres Port: 5432

Subscribed Services

Service	Description
Query	pgFouine reporting
Base	Base monitoring service
System	ssh based systats & iostats

Service: Base

Base monitoring service

INFORMATION	Indexes hmi.lev0a.lev0a_pkey and aia_test.lev1p5.lev1p5_pkey still struggling
	These indexes still look to be performing badly. Choosing a different index for them may be one of our next steps.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_idx.report.pdf

WARNING	Checkpoint and BGWriter Buffer Stats are the opposite of what we'd like to see
	These show exactly the opposite of what we would like to see. We want to wait at least one more week to make sure this isn't just an anomaly, but we're in the process of putting together recommendations to help tune your checkpoints.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_cluster.report.pdf

INFORMATION	Total MB of traffic dropped
	We're seeing the throughput rates drop; however, given the fact that it's December, this may just be request/traffic related
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_cluster.report.pdf

INFORMATION	Autovacuum are high
	The autovacuum counts are pretty high. We're going to be watching this and most likely presenting some vacuum tuning options in the next few weeks.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_cluster.report.pdf, 1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf

INFORMATION	High updates
	We still need more time to monitor this; however, for the following tables, which have high updates, we may want to consider an alternate vacuum strategy: aia_test.synoptic2, aia_test.lev1p5.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf

INFORMATION	Disk reads are a little high
	On many of the monthly charts, it looks like the heap blocks read are by far the highest ranks, which means you might be going to disk a lot more than you should be. We'll be looking into this, which will lead either to indexing or buffer pool recommendations.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf

WARNING	Checkpoints are high
	We still need more time to be sure, but the checkpoints still look high and we may be presenting recommendations soon to help reduce that.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_cluster.report.pdf

INFORMATION	BGWriter Stops have improved
	These are looking better than they did two weeks ago and, while they are still a little bit higher than we'd like, they have improved
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_cluster.report.pdf

INFORMATION	Sequential scans are still high
	We are not seeing much of a change from two weeks ago in the scans graphs for the tables. This may be a target for some indexing strategies after we have dealt with the more pressing issues, such as checkpoint tuning.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_tab.report.pdf

Cluster: hmidb2

Collector UUID: 423971c4-b256-11df-8c2d-0800274182f7

Cluster ID: 3

Host Name or IP: 192.168.0.76

Postgres Port: 5432

Subscribed Services

Service	Description
Query	pgFouine reporting
Slony	slony monitoring
System	ssh based systats & iostats

Service: Slony

slony monitoring

WARNING	High lag times
	In the 10 days leading up to December 17th on the daily graph, we saw lag times that reached over 100 minutes in a couple of instances.
References	1.423971c4-b256-11df-8c2d-0800274182f7.3.slony.cust_cluster.report.pdf
