Report Summary
Date: 2011-01-21

Stanford
ID: 1

Table of Contents

Summary

Status		
INFO	Cluster [hmidb0]; Service [base]: Table Hit Ratios	Hit ratios dropping significantly
INFO	Cluster [hmidb0]; Service [base]: Buffers Not Written by the BGWriter	Buffers not written by the bgwriter are high
INFO	Cluster [hmidb0]; Service [base]: Vacuums	Vacuums are looking a little worrisome
INFO	Cluster [hmidb0]; Service [base]: BGWriter Stops	BGWriter Stops Slightly High
INFO	Cluster [hmidb0]; Service [base]: Checkpoint Tuning	Recommended Checkpoint Settings
INFO	Cluster [hmidb0]; Service [base]: Traffic Report	Traffic drop from Jan 15 through Jan 18
INFO	Cluster [hmidb0]; Service [base]: aia.temperature_summary_300s Query Stats	Table aia.temperature_summary_300s had a huge drop in queries for January 16th
WARN	Cluster [hmidb0]; Service [base]: hmi.lev0a Block Stats	Table hmi.lev0a has high disk reads
WARN	Cluster [hmidb0]; Service [base]: Table Dead Space	aia_test.synoptic2 dead space still growing
INFO	Cluster [hmidb0]; Service [query]: Log Line Prefix	Log line prefix must be changed
INFO	Cluster [hmidb2]; Service [query]: Log Line Prefix	Log line prefix must be changed
INFO	Cluster [dcs2: dcs0 warm standby]; Service [warm_standby]: Infrequent WAL Archives	WAL Archives Still Infrequent
INFO	Cluster [dcs2: dcs1 warm standby]; Service [warm_standby]: Infrequent WAL Archives	WAL Archives Still Infrequent

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 sysstats & iostats

Service: Query

pgFouine reporting

INFORMATION	**Log line prefix must be changed**
	The log line prefix was changed, but not until after the time period that this report is for.
References	N/A

Service: Base

Base monitoring service

INFORMATION	**Hit ratios dropping significantly**
	Over the course of our monitoring period, the hit ratios for a number of tables have been dropping significantly. Some have gone from 90% memory hits vs. disk reads all the way down to 0%. You may want to review the Hit Ratio Stats in the table report; if queries against any of the tables in that list are performing badly, we may need to think up a strategy to keep them in memory more often.
References	423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_tab.report.pdf

INFORMATION	**Buffers not written by the bgwriter are high**
	These look fairly high and we will be watching them over time. We probably need to come up with more metrics to show us more details about these before we can tune them.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_cluster.report.pdf

INFORMATION	**Vacuums are looking a little worrisome**
	We're going to watch this more, but we will be probably be making some vacuuming tuning recommendations down the road.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_cluster.report.pdf, 1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_db.report.pdf, 1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf

INFORMATION	**BGWriter Stops Slightly High**
	We'll want to watch this for a while after tuning checkpoints before doing anything, because tuning checkpoints may fix the issue, but we may need to do bgwriter tuning as well.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf

INFORMATION	**Recommended Checkpoint Settings**
	The settings were updated, but not until after the time period that this report is for.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf

INFORMATION	**Traffic drop from Jan 15 through Jan 18**
	Your traffic from January 15 through January 18 had a sudden drop. It's just something interesting to note.
References	423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_db.report.pdf

INFORMATION	**Table aia.temperature_summary_300s had a huge drop in queries for January 16th**
	On January 16th, aia.temperature_summary_300s had a huge drop in queries. The query count jumped back up to normal the next day.
References	423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_tab.report.pdf

WARNING	**Table hmi.lev0a has high disk reads**
	The table hmi.lev0a has indexes on it that seem to barely ever be touched, and the table is mostly being read from disk. A new index strategy could significantly improve performance on this table.
References	423971c4-b256-11df-8c2d-0800274182f7.1.base.cust_tab.report.pdf

WARNING	**aia_test.synoptic2 dead space still growing**
	The dead space of aia_test.synoptic2 is continuing to grow to a point where performance can be affected. Once the checkpoint tuning changes are in place, we may want to implement an alternate vacuum strategy for this table.
References	423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf (graph on page 24, and graph on page 44)

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 sysstats & iostats

Service: Query

pgFouine reporting

INFORMATION	**Log line prefix must be changed**
	The log line prefix was changed, but not until after the time period that this report is for.
References	N/A

Cluster: dcs2: dcs0 warm standby

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

Cluster ID: 6

Host Name or IP: 192.168.0.12

Postgres Port: 5430

Subscribed Services

Service	Description
Warm Standby	Warm Standby monitoring service

Service: Warm Standby

Warm Standby monitoring service

INFORMATION	**WAL Archives Still Infrequent**
	You may want to use some of your admin pack hours to have us look at your archive_timeout values on your warm standby instances to make sure that you won't be losing large amounts of data if a failover happens
References	1.423971c4-b256-11df-8c2d-0800274182f7.6.warm_standby.cust_cluster.report.pdf

Cluster: dcs2: dcs1 warm standby

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

Cluster ID: 7

Host Name or IP: 192.168.0.12

Postgres Port: 5431

Subscribed Services

Service	Description
Warm Standby	Warm Standby monitoring service

Service: Warm Standby

Warm Standby monitoring service

INFORMATION	**WAL Archives Still Infrequent**
	You may want to use some of your admin pack hours to have us look at your archive_timeout values on your warm standby instances to make sure that you won't be losing large amounts of data if a failover happens
References	1.423971c4-b256-11df-8c2d-0800274182f7.7.warm_standby.cust_cluster.report.pdf