



Consistent State

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Report Summary

Date: 2011-01-14

Stanford

ID: 1

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Summary

Status		
INFO	Cluster [hmidb0]; Service [base]: Table Dead Space	aia_test.synoptic2 dead space still growing
INFO	Cluster [hmidb0]; Service [base]: Vacuums	Vacuums are looking a little worrisome
CRIT	Cluster [hmidb0]; Service [base]: Checkpoint Tuning	Recommended Checkpoint Settings
INFO	Cluster [hmidb0]; Service [base]: Index Block Stats	Index Primary Keys Disk Spike
WARN	Cluster [hmidb0]; Service [base]: hmi.lev1_nrt Disk Reads	Table hmi.lev1_nrt Has Consistently High Disk Reads
CRIT	Cluster [hmidb0]; Service [query]: Log Line Prefix	Log line prefix must be changed
INFO	Cluster [hmidb0]; Service [base]: Table Index Hits	su_uscsolar.drms_series Index Hit Ratio Low
INFO	Cluster [hmidb0]; Service [base]: Buffers Not Written by the BGWriter	Buffers not written by the bgwriter are high
INFO	Cluster [hmidb0]; Service [base]: BGWriter Stops	BGWriter Stops Slightly High
CRIT	Cluster [hmidb2]; Service [query]: Log Line Prefix	Log line prefix must be changed
INFO	Cluster [hmidb2]; Service [slony]: Lag Times and Events	Saw high lag times on January 9
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 systats & iostats

Service: Query

pgFouine reporting

CRITICAL	Log line prefix must be changed
	The log_line_prefix values for both of your clusters that you have the query addon pack for are invalid for pgfouine. In case you need to keep the %r somewhere in your log_line_prefix, we are testing prefixes that allow it, but either way, you should let us change the prefix so that your log files will run correctly through pgfouine.
References	N/A

Service: Base

Base monitoring service

INFORMATION	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)

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

CRITICAL	Recommended Checkpoint Settings
	We recommend the following checkpoint settings. Remember that you have admin pack hours, so you could have us implement them if you would like. Settings: log_checkpoints = on, checkpoint_timeout = 30min, checkpoint_warning = 30min, synchronous_commit=off
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf

INFORMATION	Index Primary Keys Disk Spike
	We saw a pretty major spike in indexes going to disk after Christmas. We will want to be watching this in the future to make sure the disk reads go down.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_idx.report.pdf

WARNING	Table hmi.lev1_nrt Has Consistently High Disk Reads
	Table hmi.lev1_nrt is still consistently going to disk and will probably need the new index strategy, as mentioned previously.
References	423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf

INFORMATION	su_uscsolar.drms_series Index Hit Ratio Low
	The table su_uscsolar.drms_series has a great table hit ratio, but the index hit ratio is almost nonexistent. Since the table is being read from memory so much, this is not currently a problem, but it could become one if something happens to cause this table to be read from disk more often.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.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	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

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: Query

pgFouine reporting

CRITICAL	Log line prefix must be changed
	The log_line_prefix values for both of your clusters that you have the query addon pack for are invalid for pgfouine. In case you need to keep the %r somewhere in your log_line_prefix, we are testing prefixes that allow it, but either way, you should let us change the prefix so that your log files will run correctly through pgfouine.
References	N/A

Service: Slony

slony monitoring

INFORMATION	Saw high lag times on January 9
	On January 9th, Slony lag times topped 20 minutes. We'll want to monitor this very closely.
References	1.423971c4-b256-11df-8c2d-0800274182f7.3.slony.cust_cluster.report.pdf

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
