



Consistent State

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## Report Summary

Date: 2011-01-07

Stanford

ID: 1

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## Summary

Status		
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
CRIT	Cluster [hmidb0]; Service [base]: Checkpoint Tuning	Recommended Checkpoint Settings
INFO	Cluster [hmidb0]; Service [base]: Index Block Stats	Index Primary Keys Disk Spike
INFO	Cluster [hmidb0]; Service [base]: BGWriter Stops	BGWriter Stops Slightly High
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
CRIT	Cluster [hmidb2]; Service [query]: Log Line Prefix	Log line prefix must be changed
INFO	Cluster [hmidb2]; Service [slony]: Lag Times and Events	Saw moderate lag times and events on January 1 through 3
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***

<b>Service</b>	<b>Description</b>
Query	pgFouine reporting
Base	Base monitoring service
System	ssh based systats & iostats

***Service: Query***

pgFouine reporting

<b>CRITICAL</b>	<b>Log line prefix must be changed</b>
	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

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***Service: Base***

Base monitoring service

<b>INFORMATION</b>	<b>Buffers not written by the bgwriter are high</b>
	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

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<b>INFORMATION</b>	<b>Vacuums are looking a little worrisome</b>
	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

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<b>CRITICAL</b>	<b>Recommended Checkpoint Settings</b>
	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

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INFORMATION	<b>Index Primary Keys Disk Spike</b>
	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

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INFORMATION	<b>BGWriter Stops Slightly High</b>
	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

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WARNING	<b>Table hmi.lev1_nrt Has Consistently High Disk Reads</b>
	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

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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

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## **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***

<b>Service</b>	<b>Description</b>
Query	pgFouine reporting
Slony	slony monitoring
System	ssh based systats & iostats

***Service: Query***

pgFouine reporting

<b>CRITICAL</b>	<b>Log line prefix must be changed</b>
	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

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***Service: Slony***

slony monitoring

<b>INFORMATION</b>	<b>Saw moderate lag times and events on January 1 through 3</b>
	We saw lag times of up to 8 minutes with lag events of 2 on January 1st through January 3rd. Neither of these are excessive, just noteworthy.
<b>References</b>	1.423971c4-b256-11df-8c2d-0800274182f7.3.slony.cust_cluster.report.pdf

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## **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***

<b>Service</b>	<b>Description</b>
Warm Standby	Warm Standby monitoring service



***Service: Warm Standby***

Warm Standby monitoring service

<b>INFORMATION</b>	<b>WAL Archives Still Infrequent</b>
	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

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## **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***

<b>Service</b>	<b>Description</b>
Warm Standby	Warm Standby monitoring service

***Service: Warm Standby***

Warm Standby monitoring service

<b>INFORMATION</b>	<b>WAL Archives Still Infrequent</b>
	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

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