



Consistent State

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## Report Summary

Date: 2010-12-24

Stanford

ID: 1

# Table of Contents

<a href="#">Summary</a> .....	3
<a href="#">Cluster: hmidb0</a> .....	4
<a href="#">Subscribed Services</a> .....	4
<a href="#">Service: Base</a> .....	5
<a href="#">Buffers not written by the bgwriter are high</a> .....	6
<a href="#">Vacuums are looking a little worrisome</a> .....	6
<a href="#">We will want to watch these after implementing the checkpoint recommendations</a> .....	6
<a href="#">Recommended checkpoint settings to fix your bad checkpoint performance</a> .....	7
<a href="#">hmi.s 720s has very worrisome vacuums</a> .....	7
<a href="#">Some indexes are going to disk</a> .....	7
<a href="#">Cluster: hmidb2</a> .....	9
<a href="#">Subscribed Services</a> .....	9
<a href="#">Service: System</a> .....	10
<a href="#">/SUM0 was hung for a time, preventing us from getting stats</a> .....	11
<a href="#">Cluster: dcs2: dcs0 warm standby</a> .....	12
<a href="#">Subscribed Services</a> .....	12
<a href="#">Service: Warm Standby</a> .....	13
<a href="#">WAL archives are infrequent</a> .....	14
<a href="#">Cluster: dcs2: dcs1 warm standby</a> .....	15
<a href="#">Subscribed Services</a> .....	15
<a href="#">Service: Warm Standby</a> .....	16
<a href="#">WAL archives are infrequent</a> .....	17

## 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
INFO	Cluster [hmidb0]; Service [base]: BGWriter Stops	We will want to watch these after implementing the checkpoint recommendations
INFO	Cluster [hmidb0]; Service [base]: Checkpoint Tuning	Recommended checkpoint settings to fix your bad checkpoint performance
WARN	Cluster [hmidb0]; Service [base]: Table Vacuums	hmi.s_720s has very worrisome vacuums
INFO	Cluster [hmidb0]; Service [base]: Index Block Stats	Some indexes are going to disk
CRIT	Cluster [hmidb2]; Service [system_stats]: SUM0 Hung	/SUM0 was hung for a time, preventing us from getting stats
INFO	Cluster [dcs2: dcs0 warm standby]; Service [warm_standby]: Infrequent WAL Archives	WAL archives are infrequent
INFO	Cluster [dcs2: dcs1 warm standby]; Service [warm_standby]: Infrequent WAL Archives	WAL archives are 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: Base***

Base monitoring service

INFORMATION	<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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INFORMATION	<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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INFORMATION	<b>We will want to watch these after implementing the checkpoint recommendations</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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<b>INFORMATION</b>	<b>Recommended checkpoint settings to fix your bad checkpoint performance</b>
	In an attempt to fix the values we have seen in your checkpoint stats, we recommend that you change the corresponding settings in your postgresql.conf file for this cluster to: 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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<b>WARNING</b>	<b>hmi.s_720s has very worrisome vacuums</b>
	hmi.s_720s: Vacuuming a table 30-40 times a day is a huge red flag. We want to watch it for another week, but this table, specifically, probably needs another vacuuming strategy.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_tab.report.pdf

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<b>INFORMATION</b>	<b>Some indexes are going to disk</b>
	Indexes su_uscsolar.mwo__lev1__vel_01d.mwo__lev1__vel_01d_pkey, hmi.lev0a.lev0a_fsn, aia.lev0.lev0_fsn, and aia_test.lev1.lev1_t_obs_index are going to disk somewhat frequently. They're not going to disk enough to be a concern, but it's something to keep an eye on.
References	1.423971c4-b256-11df-8c2d-0800274182f7.1.jsoc.base.cust_idx.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: System***

ssh based sysstats & iostats

<b>CRITICAL</b>	<b>/SUM0 was hung for a time, preventing us from getting stats</b>
	The mount point /SUM0 on hmidb2 was (and possibly still is) hung and we're using a workaround to get the rest of our data. As a result of the process being hung, we have gaps in our slony data as well.
References	1.423971c4-b256-11df-8c2d-0800274182f7.3.system_stats.cust_disk.report.pdf, 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 are infrequent</b>
	We believe that we are seeing infrequent WAL archives, which could in a worst case scenario mean that data only gets archived twice per week, and in a failover scenario, you could lose data that has not been archived. You may want to change the archive timeout to a smaller value so that WAL files are archived more often.
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 are infrequent</b>
	We believe that we are seeing infrequent WAL archives, which could in a worst case scenario mean that data only gets archived twice per week, and in a failover scenario, you could lose data that has not been archived. You may want to change the archive timeout to a smaller value so that WAL files are archived more often.
References	1.423971c4-b256-11df-8c2d-0800274182f7.7.warm_standby.cust_cluster.report.pdf

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