

Poweroff Primary DB instance

Virtual Machine Details

- Power Status:** Powered Off
- Guest OS:** Ubuntu Linux (64-bit)
- VMware Tools:** Not running, version:11360 (Guest Managed)
- DNS Name (1):** clapsql-s2hc6
- IP Addresses:** Not assigned
- Encryption:** Not encrypted

Usage

- Last updated: 4/29/24, 9:03 PM
- CPU: 0 MHz used
- Memory: 0 MB used
- Storage: 36.17 GB used

Noticed Replica instance became Primary in the DSM

Basic Information

Instance Name: clapsql	Database Engine & Version: Postgres 15.5+vmware.v2.0.0	Status: Ready	Database Name: clapsql
Admin Name: pgadmin	Database Owner: dsm-admin@corp.vmbeans.com	Created In: DSM	

Database Replication

Replica Mode	Topology	Instance IP
Single vSphere Cluster	3 (1 Primary, 1 Replica, 1 Monitor)	192.168.111.220

Details

Database Node	VM Name	Role	Log (s)
clapsql-0	clapsql-xv8qv	Primary	0
clapsql-1	clapsql-s2hc6	Primary	0
clapsql-monitor-0	clapsql-4hgnx	Monitor	-

VMware Data Services Manager [DSM Admin]

Databases > ciapsql | : ACTIONS

Summary Monitoring Backup Logs Operations

Generate Log/ Check Audit Logging to help to solve the Alerts.

Alerts

Alert Type	Alert Description	Node/ Pod Name	VM Name	Role	Severity	Triggered At (Local Time Zone)
Database Engine Health	Database Engine service is currently experiencing issues or disruptions				Warning	29/04/2024, 9:00:57 PM

MANAGE ALERT CHECK ALERT DESCRIPTION

Alerts per page: 10 1-1 of 1 alerts

Metrics

Node: ciapsql-0 (Primary) Time Range: Last 3 Hours

Active Connections: A line chart showing connections over time, with a sharp dip around 3 hours ago.

CPU Usage %: A line chart showing CPU usage percentage over time, with several peaks, notably one reaching nearly 40% around 3 hours ago.

```

ciapsql=# 
ciapsql=# \dt
server closed the connection unexpectedly
    This probably means the server terminated abnormally
    before or while processing the request.
server closed the connection unexpectedly
    This probably means the server terminated abnormally
    before or while processing the request.
server closed the connection unexpectedly
    This probably means the server terminated abnormally
    before or while processing the request.
The connection to the server was lost. Attempting reset: Succeeded.
psql (14.11 (Ubuntu 14.11-0ubuntu0.22.04.1), server 15.5 (VMware Postgres 15.5.0))
WARNING: psql major version 14, server major version 15.
        Some psql features might not work.
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, bits: 256, compression: off)
ciapsql=#
ciapsql=#
ciapsql=# \dt
      List of relations
 Schema | Name | Type  | Owner
-----+-----+-----+-----
 public | foo  | table | pgadmin
(1 row)

ciapsql=#

```

Power ON the Original primary that was powered off for this use case

The screenshot shows the vSphere Client interface. On the left, there's a navigation tree with categories like vcenter, datacenter, cluster, host, network, storage, and more. In the center, the 'Summary' tab is selected for the virtual machine 'ciapsql-s2hc6'. The 'Virtual Machine Details' section shows the power status as 'Powered On' (Ubuntu Linux (64-bit), Running, version 18.04.2 (Guest Managed)). It also lists the DNS name (ciapsql-s2hc6), IP addresses (192.168.11.221, fe80::250:5eff:fe89:b6ba), and encryption status (Not encrypted). The 'VM Hardware' section details the CPU (4 CPU(s), 2088 MHz used), Memory (8 GB, 6 GB memory active), Hard disk 1 (25 GB, Thin Provisioned, vti-paris-vsan01, Ssd, 100%), Network adapter 1 (vti-paris-vd01-vgg-vm, connected, 00:50:56:89:b6:ba), and CD/DVD drive 1 (Disconnected, E5X6 6.7 U2 and later (VM version 15)). The 'PCI Devices' section indicates 'No PCI devices'. On the right, there are sections for 'Related Objects' (Cluster: vti-paris-cluster01, Host: vti-paris-esx-02.corp.vmbeans.com, Networks: vti-paris-vds01-vgg-vm, Storage: vti-paris-vsan01), 'Tags' (No tags assigned), and 'Synchronizations'.

Noticed Original Primary became Replica.

The screenshot shows the VMware Data Services Manager interface. On the left, there's a sidebar with options like Dashboard, Permissions, Infrastructure Policies, Databases, Version & Upgrade, Operations, System Logs, System Audit, External Storage, and Settings. The main area is titled 'Databases > clapsql'. It shows basic information for the instance 'clapsql': Instance Name (clapsql), Admin Name (pgadmin), Status (Ready), and Database Name (clapsql). Below this, the 'Database Replication' section shows 'Replica Mode' (Single vSphere Cluster) and 'Topology' (3 (1 Primary, 1 Replica, 1 Monitor)). The 'Details' table lists the nodes: clapsql-0 (VM Name: clapsql-xv8qv, Role: Primary, Log: 0), clapsql-1 (VM Name: clapsql-s2hc6, Role: Replica, Log: 0), and clapsql-monitor-0 (VM Name: clapsql-4hgnx, Role: Monitor, Log: -). At the bottom, there's an 'Infrastructure' section.

```
ciapsql=# 
ciapsql=# \dt
      List of relations
 Schema | Name | Type  | Owner
-----+-----+-----+-----
 public | foo  | table | pgadmin
(1 row)

ciapsql=#

```