



DRBD Monitoring

Agenda:

DRBD (Distributed Replicated Block Device) Monitoring

- * presentation of metrics
- * possible visualizations

Metric 1: DRBD local disk state

```
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="1-single-0",role="Secondary",volume="0"} 1  
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="1-single-1",role="Secondary",volume="0"} 1  
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="vg1",role="Secondary",volume="0"} 1  
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="vg2",role="Secondary",volume="0"} 1  
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="vg3",role="Secondary",volume="0"} 1
```

High-level Use case:

disks shall always be Primary/Secondary and in SYNCED state

Details:

```
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="1-single-0",role="Secondary",volume="0"} 1
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="1-single-1",role="Secondary",volume="0"} 1
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="vg1",role="Secondary",volume="0"} 1
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="vg2",role="Secondary",volume="0"} 1
ha_cluster_drbd_resource{disk_state="uptodate",resource_name="vg3",role="Secondary",volume="0"} 1
```

disk_state= drbd diskstate like also Unknown etc

Resource name = drbd resource

Role= drbd role

Volume= volume ID

Metric is always 1 or absent since it is a atomic snapshot of cluster

Metric 2: DRBD remote disk state

```
ha_cluster_drbd_resources_remote_connection{peer_disk_state="dunknown", peer_node_id="0", peer_role="Unknown",  
resource_name="drbd_passive", volume="0"}
```

High-level Use case:

**remote disks shall always be Primary/Secondary
and in SYNCED state**

DRBD Metric: 1)Local disk state monitoring

☐ Enable query history

ha_cluster_drbd_resource

Execute

- insert metric at cursor -

Graph

Console



Moment



Element

ha_cluster_drbd_resource{disk_state="uptodate",instance="1b211.qa.suse.de:9002",job="cluster",resource_name="drbd_passive",role="Secondary",volume="0"}

DRBD Monitoring: 2) Remote disk state

☐ Enable query history

ha_cluster_drbd_resources_remote_connection

Load time: 110ms
Resolution: 14s
Total time series: 1

Execute

- insert metric at cursor -

Graph

Console



Moment



Element

Value

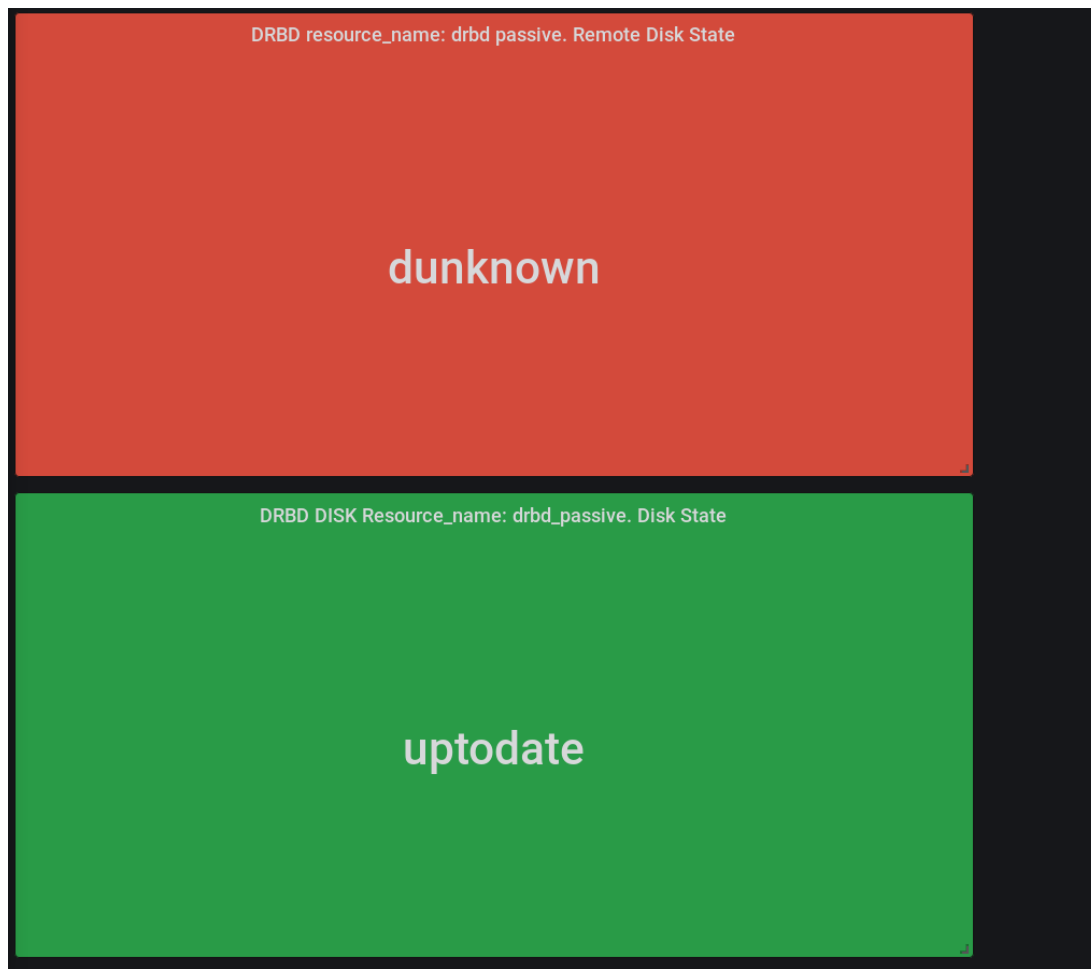
ha_cluster_drbd_resources_remote_connection{instance="1b211.qa.suse.de:9002",job="cluster",peer_disk_state="dunknown",peer_node_id="0",peer_role="Unknown",resource_name="drbd_passive",volume="0"}

1

[Remove Graph](#)

Expression (press Shift+Enter for newlines)

A 1 of a lot possible visualisation (remote/local)



Visualize and monitor a specific local disk

