Detect stuck Managed Instance deployments in CMS

Last updated by | Vitor Tomaz | Nov 16, 2022 at 12:58 PM PST

Required inputs: Region for CMS query e.g. wasd-prod-**eastus1-a**, customer subscription ID and managed instance name

```
DECLARE @customer_subscription_id UNIQUEIDENTIFIER = '<SUBSCRIPTION_ID>';

DECLARE @managed_instance_name NVARCHAR(128) = '<MANAGED_INSTANCE_NAME';

SELECT TOP 100

ms.customer_subscription_id,

managed_server_name = ms.name,

request_total_duration_hours = DATEDIFF(MINUTE, ms.create_time, GETUTCDATE()) / 60.0,

/* Calculate only if the virtual cluster is not already created i.e. 'Ready' */

virtual_cluster_create_duration_hours = IIF(pc.state = 'Ready', NULL, DATEDIFF(MINUTE, pc.create_time, GETUTCDATE()) / 60.0),

virtual_cluster_state = pc.state,

managed_instance_state = ms.state,

managed_instance_stuck_duration_hours = IIF(ms.state = 'Ready', NULL, DATEDIFF(MINUTE, ms.last_state_change_time, GETUTCDATE()) / 60.0)

FROM managed_servers ms

LEFT OUTER JOIN private_clusters pc

ON ms.private_cluster_id = pc.private_cluster_id OR

        /* Fallback to subnet ID if there is no virtual cluster ID */

        (ms.private_cluster_id IS NULL AND ms.subnet_id = pc.subnet_resource_id)

WHERE ms.customer_subscription_id = @customer_subscription_id AND

ms.name = @managed_instance_name
```

Result example:

customer_subscription_id	managed_server_name	request_to	virtual_cluste	virtual_cluster_state	managed_instance_state	managed_instance_stuck_duration_hours
[redacted]	sikdb-azure-nonprod	0.816666	0.816666	WaitingForRingBuil...	WaitingForInstanceCapacity	0.750000

If there are no results then the managed instance has either been dropped already or the customer's request was not even started.

Otherwise, check the obtained results in the decision flow that led you here.

How good have you found this content?