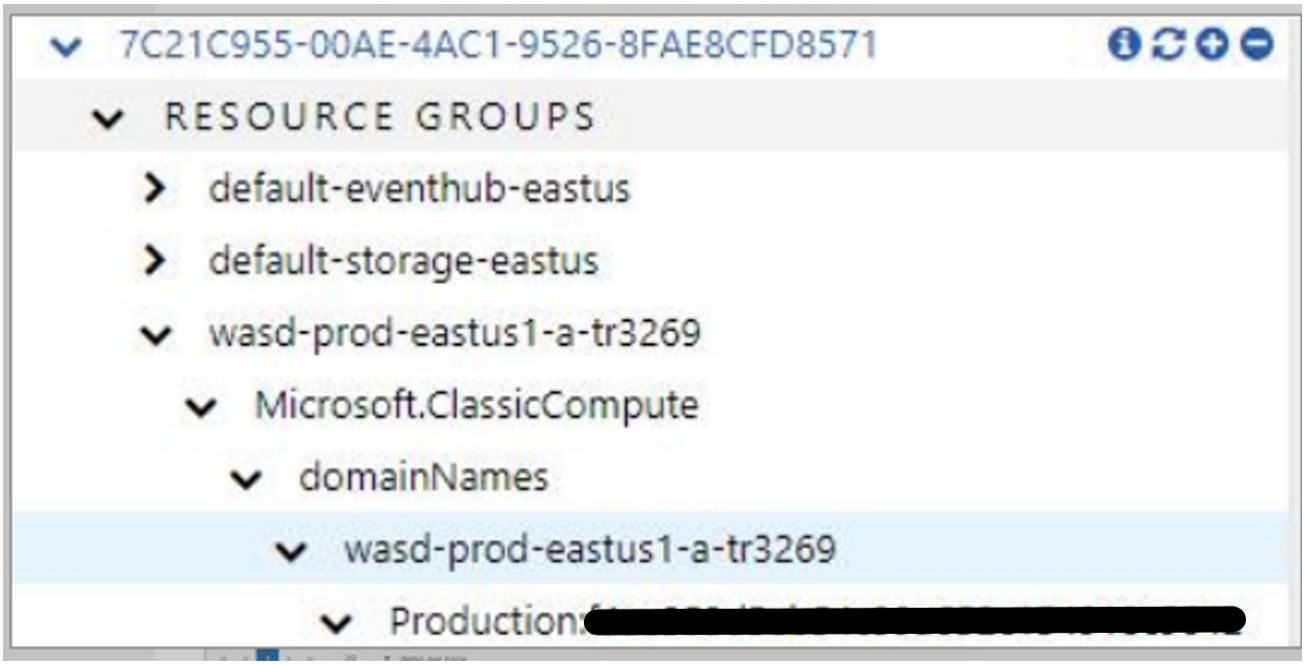
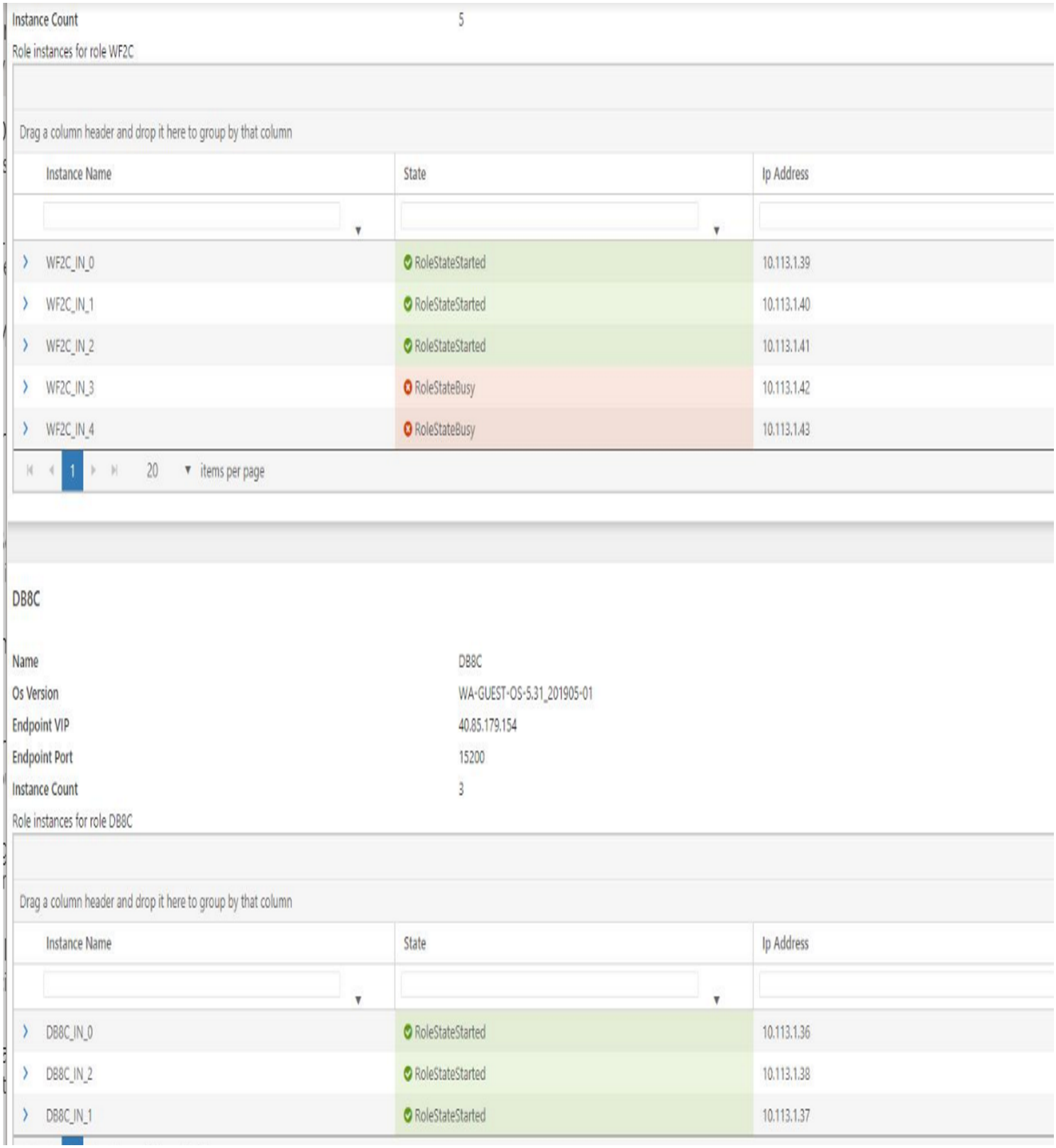
CMS queries for Provisioning errors(slash)delays

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

```
select pc.name,
           pc.subscription_id,
           pc.tenant_ring_name,
virtual_cluster_create_duration_hours = DATEDIFF(MINUTE, pc.create_time, GETUTCDATE()) / 60.0,
           pc.state private_cluster_state,
           umsr.private_cluster_id,
           umsr.target_operation_type,
           umsr.create_time,
           umsr.concurrency_token,
           umsr.is_stable_state,
           umsr.is_error_state,
               umsr.operation_request_id,
           umsr.requested_subscription_id,
           umsr.requested_managed_server_name,
           umsr.state upsert_managed_server_state
from upsert_managed_server_requests umsr
left outer join private_clusters pc
on pc.subscription_id = 'Input SubscriptionId here'
where umsr.requested_subscription_id= 'Input SubscriptionId here'

--This will pull back records if the MI is still under deployment. It will disappear once the MI deployment ha

select * from upsert_managed_server_requests where requested_managed_server_name = 'lgrptacct-managedsql'

--Get the subnet resource id from above query and plug it in the query below

select * from private_cluster_capacity_management
where subnet_resource_id = '/subscriptions/Input SubscriptionId here/resourceGroups/lgacctrpt_resourcegroup/pr

--to check the status of private cluster

select * from private_clusters
where subnet_resource_id = '/subscriptions/Input SubscriptionId here/resourceGroups/lgacctrpt_resourcegroup/pr

--check for any errors in last_exception
--If the workflow is stuck in CreateAndSetIntentPolicy - check here: TSGCL0115: PrivateClusterStateMachine is
--Take  ring_buildout_id from above query and use it in below query

select state, * from upsert_tenant_ring_requests where ring_buildout_id = '5d605e33-d0ea-41bd-8eb5-a222b532a3a

--state = WaitingInitializeFabricCluster
--Take da_instance_id from above query and use it in below query
--Check the status and last update. If the MI is taking long to deploy, search for an auto-ICM based on this d

select * from deployment_automation_instances where instance_id = '54781adc-d11b-48ab-a734-7723de1d9ee7'

--when it is done = blank
--To see if there are any issues with networking blocking MI deployment, use below query to get the subscripti

select subscription_id from ring_buildouts where ring_buildout_id = '5d605e33-d0ea-41bd-8eb5-a222b532a3a0'

--Take this subscription ID and plug it in ASC to see if there is any networking issues:
```


7C21C955-00AE-4AC1-9526-8FAE8CFD8571
RESOURCE GROUPS
default-eventhub-eastus
default-storage-eastus
wasd-prod-eastus1-a-tr3269
Microsoft.ClassicCompute
domainNames
wasd-prod-eastus1-a-tr3269
Production:



Instance Count 5

Role instances for role WF2C

Drag a column header and drop it here to group by that column

Instance Name	State	Ip Address
WF2C_IN_0	RoleStateStarted	10.113.1.39
WF2C_IN_1	RoleStateStarted	10.113.1.40
WF2C_IN_2	RoleStateStarted	10.113.1.41
WF2C_IN_3	RoleStateBusy	10.113.1.42
WF2C_IN_4	RoleStateBusy	10.113.1.43

1 20 items per page

DB8C

Name	DB8C
Os Version	WA-GUEST-OS-5.31_201905-01
Endpoint VIP	40.85.179.154
Endpoint Port	15200
Instance Count	3

Role instances for role DB8C

Drag a column header and drop it here to group by that column

Instance Name	State	Ip Address
DB8C_IN_0	RoleStateStarted	10.113.1.36
DB8C_IN_2	RoleStateStarted	10.113.1.38
DB8C_IN_1	RoleStateStarted	10.113.1.37

Where RoleStateBusy (in red) indicates issue

If it's a networking issue, might further want to check if there is custom DNS listed on the vnet:

Please ensure that these DNS servers can reach/connect to the subnet. If the DNS server configure on the vnet is not accessible, can lead to Managed Instance provisioning issues:

Below are some of the common causes of this issue:

- DNS is in separate vnet/on-premise and routing is not configured properly
- DNS is hosted in VM and NSG does not allow inbound on port 53
- DNS is on-premise and firewall is blocking DNS traffic
- DNS is turned off
- DNS doesn't resolve public records

Cx can do either of the below:

- Ensure connectivity between the DNS server and subnet

OR

- Add Azure recursive DNS (168.63.129.16)

More information here:

https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance-custom-dns

Or if the customer is advertising routes interfering with the deployment.

How good have you found this content?