

Failed to deploy a new server - could not find enough storage accounts

Last updated by | Abhishek Reddy Kumbham | Jun 3, 2022 at 2:02 PM PDT

This TSG is part of GT for any change please contact haaqel@microsoft.com

Some customers are facing errors during deployment , and we are usually using our Kusto telemetry to check what is going on , for example :

MonManagement

| where request_id == "xxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx"

And check the overall the result from the above query, especially message ,error_code and error_message columns :

stage_ver...	is_user_error	state	message	SourceNamespace	SourceMoniker	SourceVer...
0.1869-SD...		WaitingForOperati...		WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...				WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...		WaitingForOperati...		WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...				WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...		CreatingBackupBlo...		WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...		CreatingBackupBlo...	Could not find enough storage accounts for account purpose ElasticServerPFSBackupBlob, account type Standard_LRS, affinity tag null, encryption True, privateClusterAffinityTag null	WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...		WaitingForOperati...		WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...				WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...		WaitingForOperati...		WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...				WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...		WaitingForOperati...		WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...				WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...		WaitingForOperati...		WASD2Prod	WASDMonProdWe...	Ver12v0
0.1869-SD...				WASD2Prod	WASDMonProdWe...	Ver12v0

So we can see that the deployment failed because of storage account availability, and it could be a transient issue especially on heavy regions like West Europe, so before raising or filing an ICM ,make sure to check the below (all the below are CAS commands) :

1- Check the subscription availability for storage accounts:

```
PS C:\Users\haaqel\SqlAzureConsole> $cms_sql = "Select subscription_id, state, max_arm_storage_accounts,
current_arm_storage_accounts from cluster_subscriptions where subscription_purpose = 'OrcasPfs' order by
(max_arm_storage_accounts - current_arm_storage_accounts) desc "
```

```
PS C:\Users\haaqel\SqlAzureConsole> Query-Cms $cms_sql
```

And see if the current_arm_storage_accounts is exhausted for all the subscriptions listed, if it is as in below screenshot:

[illegible]

Continue in filing an ICM for your case , if it is not like the below screenshot :

[illegible]

Please continue to step 2.

2- check the storage account availability using the below CAS Command : PS

```
C:\Users\haaqel\SqlAzureConsole> $cms_sql = "select
storage_account_purpose,storage_account_type,sum(case when size_reserved_in_mb = 0 and
placement_base_weight = 1 and state = 'Ready' then 1 else 0 end) as free_accounts, sum(case when
(size_reserved_in_mb != 0 or placement_base_weight != 1) and state = 'Ready' then 1 else 0 end) as
used_accounts from azure_storage_accounts where storage_account_purpose = 'ElasticServerPremiumFileShare'
or storage_account_purpose = 'ElasticServerPFSBackupBlob' or storage_account_purpose =
'ElasticServerPfsGeoBackup' group by storage_account_purpose, storage_account_type order by
storage_account_purpose asc, storage_account_type asc "
```

```
PS C:\Users\haagel\SqlAzureConsole> Query-Cms $cms_sql
```

The result will look like:

storage_account_purpose	storage_account_type	free_accounts	used_accounts
ElasticServerPFSBackupBlob	Standard_LRS	32	27954
ElasticServerPFSBackupBlob	Standard_RAGRS	247	6483
ElasticServerPfsGeoBackup	Premium_LRS	50	4060
ElasticServerPremiumFileShare	Premium_LRS	421	24292

Check if there are any free accounts under the desired account type based on the error message you got from MonManagement , if it is , you can ask the customer to retry the operation , and if not like below screen shot for example :

storage_account_purpose	storage_account_type	free_accounts	used_accounts
ElasticServerPFSBackupBlob	Standard_LRS	0	22988
ElasticServerPFSBackupBlob	Standard_RAGRS	0	5762
ElasticServerPfsGeoBackup	Premium_LRS	56	4009
ElasticServerPremiumFileShare	Premium_LRS	904	23172

You can continue and file an ICM for your case , other than that and if it is a transient , you can share the below **canned RCA**:

Our Azure Database for PostgreSQL managed service uses Azure storage service to store customer data. Our service pre-provisions required subscriptions to create Storage containers during Database provisioning, due to high demand on this region our automated process could not create them in a timely manner so the server could not be created. Our sincere apology for any inconveniences regarding this issue and we are trying to automate the process to handle customer demands on this region.