

Revalidation_Key_Issues

Last updated by | Lisa Liu | Nov 6, 2020 at 10:36 AM PST

Issue

Customer is attempting to revalidate the key after Restore , for a Replica, After recovering a key and the Revalidating a key not completing for a very long time /Error

democalreplica - Data encryption
Azure Database for PostgreSQL server

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Data encryption

Customer managed key encryption protects your database, backup, and logs using the user specified key without any change to your applications. To enable this protection, visit 'Data encryption' for each Azure Database for PostgreSQL server. [Learn More](#)

Use customer managed key ☐ No ☒ Yes

Step 1

Revalidate your existing key, or select a backup key.

Key selection method ☐ Select a key ☒ Enter a key identifier

Key identifier

Step 2

Attempt revalidation of your existing key. If successful, restoration of access to your data may take some time.

Revalidate key

Investigation and Analysis

Check the state -

```
MonAnalyticsElasticServersSnapshot
```

```
| where name == "{REPLACE_HERE}"
| summarize min(TIMESTAMP), max(TIMESTAMP) by ['state'], bin(TIMESTAMP, 1h)
```

For any failed operation from the customer side to enable this feature , we are going to use the normal troubleshooting steps once we get the tracking ID from the customer side of that failed operation from the activity Log: Example:

```
HttpIncomingRequests
```

```
| where subscriptionId == "13ef485e-ff37-448c-ad35-7b06b9bd6eb9" | where serviceRequestId == "93452b9c-ec8d-4a96-a523-40588e8cfc2e"
```

We can see that the request_id = 083621aa-2fe1-4d43-aea6-0df87ffc1a9f

```
MonManagement
```

```
| where request_id == toupper("083621aa-2fe1-4d43-aea6-0df87ffc1a9f")
| project originalEventTimestamp, NodeName, event, ['state'], fsm_event, caller_state_machine_type,
state_machine_type, exception_type, old_state, new_state, error_message, operation_type,
exception, error, error_classification, error_code, error_message_format, error_number,
stack_trace, elastic_server_name, operation_parameters
```

and engage the product group based on the above results.

You can also check XTS for the progress

XTS version 7.2.0200124.1 - SQL Azure - [Ward-prod-eastus1-a;Ward-prod-eastus1-a] - sarora\BYOK Elastic Servers.xts

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Views

byok

byok.msi cert mitigator.xts

byok.queries.xts

byok-keyrevokedb-w-w.xts

byok-keyrevokedb-w-w.xts

BYOK Elastic Servers.xts

Usage Instructions

To use this view, enter a search string in the search box. You can search for either a whole/partial server name, a whole/partial subscription ID, or a whole/partial migration source cluster. If no text entered, click OK will list all servers.

Step 1: Enter Search String

Search String

OK

BYOK Servers

name	state	elastic_server_id	customer_subscription_id	byok_enabled	identity_url
byoklocal	DroppingGeoRedundantB...	93834b8d-bf66-4bdf-a804-af2cfaf5e545	5c5037e5-d3f1-4e7b-b3a9-f6bf94902b30	true	https://control-eastus.identity.az
byokserver	Inaccessible	08b7be7a-c44f-457c-855f-8145433c7768	5c5037e5-d3f1-4e7b-b3a9-f6bf94902b30	true	https://control-eastus.identity.az
byok-test-mysql-1	Ready	c769e85a-5d87-4496-be32-d75ae18a8710	8403da61-2731-4c0e-a00c-1ec941e0d247	true	https://control-eastus.identity.az
byok-test-pg-1	Ready	c8f8dacc-b502-42ab-8916-a05a3d0289f3	8403da61-2731-4c0e-a00c-1ec941e0d247	true	https://control-eastus.identity.az
byoktestpostgre	Ready	50412ecb-932c-4844-b5da-b995bf3ce99b	d0e465d4-b7e9-47bf-9a20-329393f4b323	true	https://control-eastus.identity.az
demopostgresql	Ready	f98a5ee8-c29e-4b19-8b0c-b3f4e6467144	5c5037e5-d3f1-4e7b-b3a9-f6bf94902b30	true	https://control-eastus.identity.az
demosevermysql	Inaccessible	7fe5bc37-ed3a-4041-921b-455865bd1341	5c5037e5-d3f1-4e7b-b3a9-f6bf94902b30	true	https://control-eastus.identity.az
mysqlbyoktestpolicy	WaitingForElasticServerPr...	909c9723-5f13-48c2-ae9c-c02daa8f42ce	707595a1-1498-4b7d-9771-cf0455939dc	true	https://control-eastus.identity.az
orcabbyoktestus2georestore1	WaitingForCustomSecrets...	0db0d084-49f0-4204-b43b-47e2a514b2ee	8403da61-2731-4c0e-a00c-1ec941e0d247	false	https://control-eastus.identity.az

BYOK Servers | Total BYOK Enabled Servers | Total BYOK Attempted | BYOK Tombstoned Servers

sqlinstance for demosevermysql

name	elastic_server_id	sql_instance_id	state	type	service_level_objective	target_service_level_objective	worker_service_affinity_tag	tenant_ring_name	Fabric
Instance Name	partition_id								
d68f589987e9	8500278D-05E9-4235-6796-C9F154988C04								

Partition ID for Instance

Instance Name	partition_id
d68f589987e9	8500278D-05E9-4235-6796-C9F154988C04

CAS Actions

action	command
Select Environment	Select-SqlAzureEnvironment Prod
Select Cluster	Select-SqlAzureCluster Ward-prod-eastus1-a-CR1
Get Jit Access	Get-JitAccess -WorkItemSource IdM -WorkItemid ICM ID -Justifica
New JIT Request	Get-FabricNode -NodeName DB.19 -NodeClusterName tr7336.ea
AW dumps	https://azurewatson.cloudapp.net/7/ClusterName-tr7336.eastus
Dump process	Get-FabricNode -NodeName DB.19 -NodeClusterName tr7336.ea
Kill process	Get-FabricNode -NodeName DB.19 -NodeClusterName tr7336.ea
Kill instance agent	Get-FabricNode -NodeName DB.19 -NodeClusterName tr7336.ea
Kill SAT runner	Get-FabricNode -NodeName DB.19 -NodeClusterName tr7336.ea
Kill MDS agent	Get-FabricNode -NodeName DB.19 -NodeClusterName tr7336.ea
Restart server	Restart-ElasticServer -SubscriptionId 5c5037e5-d3f1-4e7b-b3a9
Add Firewall Rule	New-ElasticServerFirewallRule -StartIpAddress "0.0.0.0" -EndIp
Remove Firewall ...	Remove-ElasticServerFirewallRule -SubscriptionId 5c5037e5-d3f
Get Configuration	Get-ElasticServerConfig -SubscriptionId 5c5037e5-d3f1-4e7b-b3
Set Configuration	Set-ElasticServerConfig -SubscriptionId 5c5037e5-d3f1-4e7b-b3
Get SAS key	Get-ElasticServerSasToken -SubscriptionId 5c5037e5-d3f1-4e7b
PG Basic Backup	Get-CreateElasticServerBackup -ServerName demosevermysql -
Take backup	Get-FabricNode -NodeName DB.19 -NodeClusterName tr7336.ea
Restore server	Restore-ElasticServer2 -SubscriptionId 5c5037e5-d3f1-4e7b-b3a
Create read replica	New-ElasticServerReplica2 -SubscriptionId 5c5037e5-d3f1-4e7b
Start of MySQL ...	The following commands are for MySQL only.
Invoke Command	Invoke-ElasticServerDbCommand -SubscriptionId 5c5037e5-d3f1
Show binary logs	Invoke-ElasticServerDbCommand -SubscriptionId 5c5037e5-d3f1
Show master sta...	Invoke-ElasticServerDbCommand -SubscriptionId 5c5037e5-d3f1
Show slave statu...	Invoke-ElasticServerDbCommand -SubscriptionId 5c5037e5-d3f1
Show plugins	Invoke-ElasticServerDbCommand -SubscriptionId 5c5037e5-d3f1
Start Slave	Invoke-ElasticServerDbCommand -SubscriptionId 5c5037e5-d3f1
Stop Slave	Invoke-ElasticServerDbCommand -SubscriptionId 5c5037e5-d3f1
Show processlist	Invoke-ElasticServerDbCommand -SubscriptionId 5c5037e5-d3f1
Turn on bin log	Set-ElasticServerConfig -SubscriptionId 5c5037e5-d3f1-4e7b-b3
Turn on audit log	Set-ElasticServerConfig -SubscriptionId 5c5037e5-d3f1-4e7b-b3
Set audit events	Set-ElasticServerConfig -SubscriptionId 5c5037e5-d3f1-4e7b-b3
Set audit excl user	Set-ElasticServerConfig -SubscriptionId 5c5037e5-d3f1-4e7b-b3
Turn off parallel ...	Set-ElasticServerConfig -SubscriptionId 5c5037e5-d3f1-4e7b-b3
End of MySQL Only	The commands above are for MySQL only.
WARNING!	Please consult team orcasg@service.microsoft.com before using
Remove replica	Get-FabricNode -NodeName DB.19 -NodeClusterName tr7336.ea
Move Replica	Get-FabricNode -NodeName DB.19 -NodeClusterName tr7336.ea
Delete database...	

If the error is related to Permissions , Key Vault issues kindly check further here

[Issues with Permissions & Key Vault](#) If it is stuck or we receive a error message unrelated to customer issues open an ICM

Mitigation

You will need to file an ICM with the Engineering Team if we have any issues here

RCA (optional)

Will depend on the specific scenario and can be checked with the Engineering team.

Root Cause Classification

Azure Open Source DB V2\Security\User Issue/Error\Data Encryption\Revalidating a key not completing/Error

How good have you found this content?

