# Scaling\_with\_BYOK

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

#### Issue

Scaling Orcas with BYOK

## **Investgation and Analysis**

A customer can scale either the compute or the storage or both. The scenario below describes each of these.

### **Compute Scaling**

Contoso is experiencing significant business growth and as part of that growth, John needs to scale PG Service to higher pricing tier. John knows that Azure will provision the PG Service on a new container that can meet the compute capacity requested but he is concerned if this change will require him to re-establish BYOK?

John is happy to know that Azure OSS database service maintains BYOK property when scaling compute up/down requiring no user action.

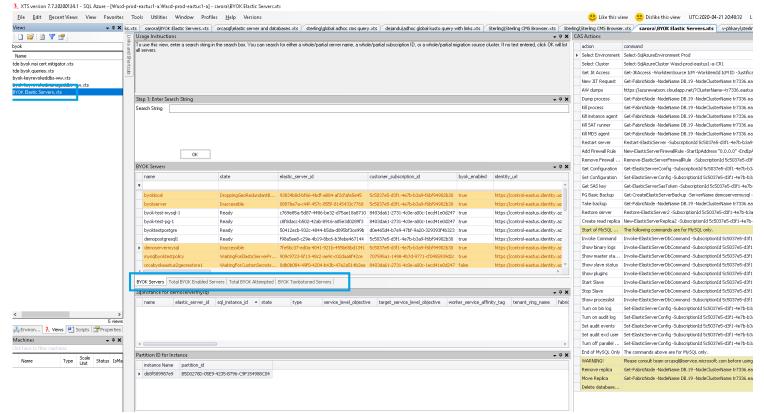
#### Storage Scaling

Contoso is experiencing significant data growth in their MySQL database service. To accommodate that, John needs to increase the size of the storage to 10 TB and to avail the increased IOPS required to sustain the workload.

John knows that Azure MySQL can scale storage online without any downtime to the application, but he is concerned if BYOK would change anything. John is happy to know that he can continue to scale the storage online with BYOK intact

## Mitigation

You can check the XTS view to see the state of the database. The customer will not have a downtime



Check the state -

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

# Internal Reference (optional)

**Internal Functional Specs** 

## **Root Cause Classification**

Cases resolved by this TSG should be coded to the following root cause: Azure Open Source DB V2\Security\User Request\Data Encryption\How-to questions

#### How good have you found this content?

