Purchasing models (Hybrid Benefit, reserved capacity, etc)

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Issue

When customers report issues related to enabling or disabling Azure Hybrid Benefit (Ahub)

Investigation/Analysis

1. Customers might complain that they can't see the option to enable Ahub benefit on their portal.

Check to see:

1. What is the subscription type?
2. What is the SLO?

For 1. Azure Hybrid benefit applies to all subscription types except for Enterprise Dev/Test or MSDN subscriptions. As per this document, Dev/test pricing for SQL Database is billed at the same rate as Azure Hybrid Benefit pricing, with savings of up to 55% on License Included prices. Hence they don't get additional discount via Ahub.

Reference: https://azure.microsoft.com/en-us/pricing/details/azure-sql/sql-managed-instance/single/ ↗

For 2. Azure Hybrid Benefit applies at the Managed Instance level ONLY, not at the database level.

Reference: https://www.microsoft.com/en-us/licensing/news/expanded-ahb-rights-for-microsoft-sql-server ↗

2. Customers complain that even though they enabled Ahub benefit, they can't see it applied on portal/billing:

Provided that customer's subscription and SLO meet the requirements from step1, check further to see:

1. How did the customer enable the benefit (via portal, PowerShell, CLI or REST API)?
2. Is there a discrepancy between the result set returned from any of these?

Check telemetry:

Kusto, below query will show the latest billing information based on whether Ahub is applied or not and if it was changed in the past.

```
MonBillingManagedServerStatus
| where LogicalServerName =~ '<MIName>' or managed_server_name =~ '<MIName>'
| where subscription_id =~ '<SubscriptionID>'
| project LogicalServerName, managed_server_name, current_state, managed_server_edition, service_level_objecti
```

Below is a sample output:

LogicalServerName	managed_server_name	current_state	managed_server_edition	service_level_objective	sql_server_license	
DummyValue	▮▮▮▮mi	Ready	GeneralPurpose	MIGP4G5	Full	

CMS, below will show the current state on Ahub benefit. This can confirm whether or not the Ahub benefit was applied.

```
select name, state, edition, service_level_objective, sql_server_license
from managed_servers where name = '<MIName>'
```

Below is a sample output:

1_DB0_Result_Table1	name	state	edition	service_level_objective	sql_server_license
	▮▮▮▮mi	Ready	GeneralPurpose	MIGP4G5	Full

How/what to read:

sql_server_license = Full --> Azure Hybrid Benefit is not enabled.

sql_server_license = Dhub --> Azure Hybrid Benefit is enabled.

Public Doc Reference

Azure Hybrid Benefit

https://docs.microsoft.com/en-us/azure/azure-sql/azure-hybrid-benefit?tabs=azure-powershell ↗

Azure Hybrid Benefit FAQ

https://azure.microsoft.com/en-us/pricing/hybrid-benefit/faq/ ⬀

Azure SQL Managed Instance pricing

https://azure.microsoft.com/en-us/pricing/details/azure-sql/sql-managed-instance/single/ ⬀

vCore-based purchasing model

https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/sql-managed-instance-paas-overview#vcore-based-purchasing-model ⬀

Managed instance service tiers

https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/sql-managed-instance-paas-overview#service-tiers ⬀

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