

Build Azure SQL DB Inventory with Power Shell

Note: Script is Free to use to build inventory for Azure SQL Databases running in DTU Model

Script has been tested against the Azure SQL Databases; in case there is a Dedicated Synapse SQL Pool Hosted on same logical Server make sure those databases must be excluded in Power-Shell script.

Create an Inventory Table in the Database in the Inventory Database

```
CREATE TABLE TBL_AZSQL_INVENTORY
(
  ServerName varchar(300),
  DatabaseName varchar(200),
  Location varchar(100),
  Collation varchar(200),
  Edition varchar(200),
  CreationDate varchar(50),
  CurrentServiceObjectiveName varchar(100),
  SkuName varchar(100),
  EarliestRestoreDate varchar(50),
  DBstatus varchar(100),
  UsedSpace float,
  UsedSpacePer float,
  AllocatedSpace float,
  MaxStorageSize float,
  CaptureDateTime varchar(50)
)
```

Select Subscription from the List where your Azure SQL Servers are located and click "OK"

\$Subscription = Get-AzSubscription Out-GridView -OutputMode 'Single'			
Filter			
Add criteria			
Name	Id	TenantId	State
Microsoft Azure Internal Consumption	5b300c	72f9f	Enabled

Select Logical SQL Server for which report need to be prepared and click "OK"

\$AzSqlServer = Get-AzSqlServer Out-GridView -OutputMode Multiple							
Filter							
Add criteria							
ResourceGroupName	ServerName	Location	SqlAdministratorLogin	SqlAdministratorPassword	ServerVersion	Ta...	Identi
synapseworkspace-	dumy12345	eastus			12.0	()	
AzureSQL	insysqlserver	eastus			12.0	()	
AzureSQL	rsazuresqlserver	eastus2			12.0	()	Micro
synapseworkspace-i	workshopplusworkspace	eastus2			12.0	()	

Once the execution complete a report will be displayed and the same information will be pushed to the Inventory Database inside the table created in above section.

Azure SQL DB Inventory Report														
Filter														
Add criteria														
ServerName	DatabaseName	Location	Collation	Edition	CreationDate	ServiceObjective	EarliestRestoreDate	SKU	Status	UsedSpace	UsedSpacePer	AllocatedSpace	MaximumStorageSize	
insysqlserver	OriginDB	eastus	SQL_Latin1_General_CP1_CI_AS	Standard	11/9/2021 10:44:14 AM	S0		Standard	Online	0.02	0	0.03	250	
insysqlserver	RemoteDB	eastus	SQL_Latin1_General_CP1_CI_AS	Basic	3/17/2021 3:55:20 AM	Basic	11/5/2021 12:00:00 AM	Basic	Online	0.02	1	0.03	2	
insysqlserver	TEST01	eastus	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	11/12/2021 8:25:33 AM	GP_Gen5_2	11/12/2021 8:29:05 AM	GP_Gen5	Online	0.12	0	0.12	32	
insysqlserver	TEST02	eastus	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	11/12/2021 8:26:40 AM	GP_Gen5_2	11/12/2021 8:30:22 AM	GP_Gen5	Online	0.10	0	0.11	32	
rsazuresqlserver	AppOne	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	10/28/2021 4:51:10 PM	ElasticPool	11/5/2021 12:00:00 AM	ElasticPool	Online	0.02	0	0.03	32	
rsazuresqlserver	IS-Intranet-Grant-DB-Test	eastus2	SQL_Latin1_General_CP1_CI_AS	Standard	6/3/2020 4:53:01 PM	S2	11/5/2021 12:00:00 AM	Standard	Online	0.01	0	0.03	250	
rsazuresqlserver	OriginDB	eastus2	SQL_Latin1_General_CP1_CI_AS	Standard	3/17/2021 3:35:04 AM	S0	11/5/2021 12:00:00 AM	Standard	Online	0.02	0	0.03	250	
rsazuresqlserver	OriginDB_TEMP_R	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	4/4/2021 5:24:49 PM	GP_Gen5_2	11/5/2021 12:00:00 AM	GP_Gen5	Online	0.01	0	0.03	32	
rsazuresqlserver	PoolDB2	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	10/28/2021 4:54:24 PM	ElasticPool	11/5/2021 12:00:00 AM	ElasticPool	Online	0.02	0	0.03	32	
rsazuresqlserver	Rakesh4ElasticJob	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	11/12/2021 11:53:28 AM	GP_Gen5_2	11/12/2021 11:56:40 AM	GP_Gen5	Online	0.04	0	0.05	32	
rsazuresqlserver	RemoteDB	eastus2	SQL_Latin1_General_CP1_CI_AS	Standard	3/17/2021 3:36:31 AM	S0	11/5/2021 12:00:00 AM	Standard	Online	0.01	0	0.03	250	
rsazuresqlserver	RemoteDB_TEMP_R	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	4/4/2021 5:29:50 PM	GP_Gen5_2	11/5/2021 12:00:00 AM	GP_Gen5	Online	0.01	0	0.03	32	

SQL DB Inventory Stored in Local Repository

Results Messages

	ServerName	DatabaseName	Location	Collation	Edition	CreationDate	CurrentServiceObjectiveName	SkuName	EarliestRestoreDate	DBstatus	UsedSpace	UsedSpacePer	AllocatedSpace	MaxStorageSize	CaptureDateTime
1	insysqlserver	OriginDB	eastus	SQL_Latin1_General_CP1_CI_AS	Standard	11/09/2021 10:44:14	S0	Standard		Online	0.02	0	0.03	250	11/12/2021 06:57:47 PM
2	insysqlserver	RemoteDB	eastus	SQL_Latin1_General_CP1_CI_AS	Basic	03/17/2021 03:55:20	Basic	Basic	11/05/2021 00:00:00	Online	0.02	1	0.03	2	11/12/2021 06:58:02 PM
3	insysqlserver	TEST01	eastus	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	11/12/2021 08:25:33	GP_Gen5_2	GP_Gen5	11/12/2021 08:29:05	Online	0.12	0	0.12	32	11/12/2021 06:58:22 PM
4	insysqlserver	TEST02	eastus	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	11/12/2021 08:26:40	GP_Gen5_2	GP_Gen5	11/12/2021 08:30:22	Online	0.1	0	0.11	32	11/12/2021 06:58:33 PM
5	rsazuresqlserver	AppOne	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	10/28/2021 16:51:10	ElasticPool	ElasticPool	11/05/2021 00:00:00	Online	0.02	0	0.03	32	11/12/2021 06:58:50 PM
6	rsazuresqlserver	IS-Intranet-Grant-DB-Test	eastus2	SQL_Latin1_General_CP1_CI_AS	Standard	06/03/2020 16:53:01	S2	Standard	11/05/2021 00:00:00	Online	0.01	0	0.03	250	11/12/2021 06:59:04 PM
7	rsazuresqlserver	OriginDB	eastus2	SQL_Latin1_General_CP1_CI_AS	Standard	03/17/2021 03:35:04	S0	Standard	11/05/2021 00:00:00	Online	0.02	0	0.03	250	11/12/2021 06:59:13 PM
8	rsazuresqlserver	OriginDB_TEMP_R	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	04/04/2021 17:24:49	GP_Gen5_2	GP_Gen5	11/05/2021 00:00:00	Online	0.01	0	0.03	32	11/12/2021 06:59:45 PM
9	rsazuresqlserver	PoolDB2	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	10/28/2021 16:54:24	ElasticPool	ElasticPool	11/05/2021 00:00:00	Online	0.02	0	0.03	32	11/12/2021 06:59:56 PM
10	rsazuresqlserver	RateSh4ElasticJob	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	11/12/2021 11:53:28	GP_Gen5_2	GP_Gen5	11/12/2021 11:56:40	Online	0.04	0	0.05	32	11/12/2021 07:00:07 PM
11	rsazuresqlserver	RemoteDB	eastus2	SQL_Latin1_General_CP1_CI_AS	Standard	03/17/2021 03:36:31	S0	Standard	11/05/2021 00:00:00	Online	0.01	0	0.03	250	11/12/2021 07:00:16 PM
12	rsazuresqlserver	RemoteDB_TEMP_R	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	04/04/2021 17:29:50	GP_Gen5_2	GP_Gen5	11/05/2021 00:00:00	Online	0.01	0	0.03	32	11/12/2021 07:00:28 PM
13	insysqlserver	OriginDB	eastus	SQL_Latin1_General_CP1_CI_AS	Standard	11/09/2021 10:44:14	S0	Standard		Online	0.02	0	0.03	250	11/12/2021 07:06:13 PM
14	insysqlserver	RemoteDB	eastus	SQL_Latin1_General_CP1_CI_AS	Basic	03/17/2021 03:55:20	Basic	Basic	11/05/2021 00:00:00	Online	0.02	1	0.03	2	11/12/2021 07:06:21 PM
15	insysqlserver	TEST01	eastus	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	11/12/2021 08:25:33	GP_Gen5_2	GP_Gen5	11/12/2021 08:29:05	Online	0.12	0	0.12	32	11/12/2021 07:06:29 PM
16	insysqlserver	TEST02	eastus	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	11/12/2021 08:26:40	GP_Gen5_2	GP_Gen5	11/12/2021 08:30:22	Online	0.1	0	0.11	32	11/12/2021 07:06:39 PM
17	rsazuresqlserver	AppOne	eastus2	SQL_Latin1_General_CP1_CI_AS	GeneralPurpose	10/28/2021 16:51:10	ElasticPool	ElasticPool	11/05/2021 00:00:00	Online	0.02	0	0.03	32	11/12/2021 07:06:50 PM
18	rsazuresqlserver	IS-Intranet-Grant-DB-Test	eastus2	SQL_Latin1_General_CP1_CI_AS	Standard	06/03/2020 16:53:01	S2	Standard	11/05/2021 00:00:00	Online	0.01	0	0.03	250	11/12/2021 07:06:58 PM