

# 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

\$Subscription = Get-AzSubscription | Out-GridView -OutputMode 'Single'

Name	Id	TenantId	State
Microsoft Azure Internal Consumption	5b300c	72f9i	Enabled

## ➤ Select Multiple Logical SQL Server

\$AzSqlServer = Get-AzSqlServer | Out-GridView -OutputMode Multiple

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	()	

Azure SQL DB Inventory Report

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	Rakesh4ElasticJob	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 07:00:18 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