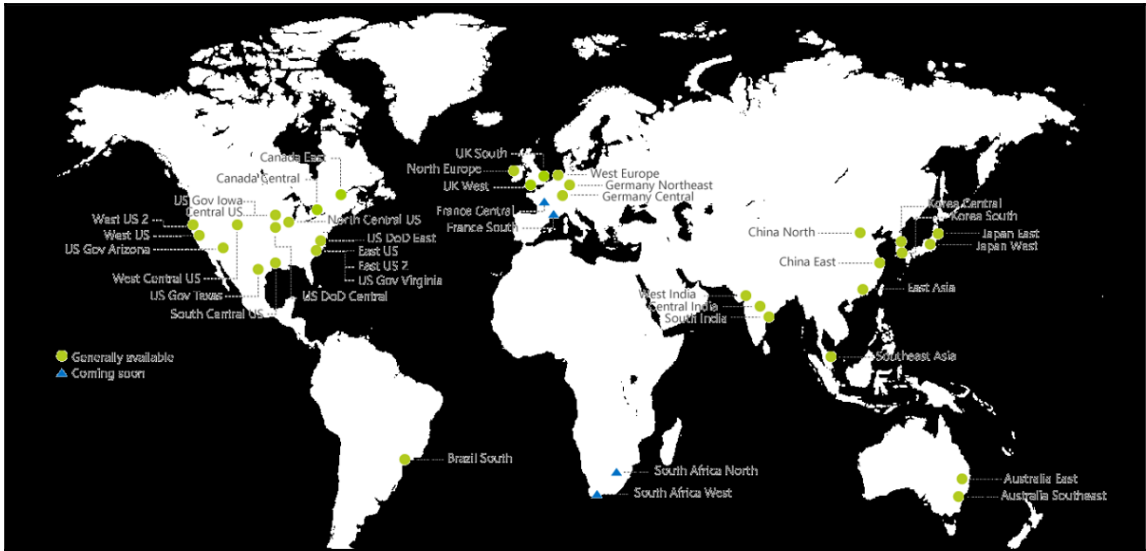


Chapter 1: Understanding Azure Storage

101

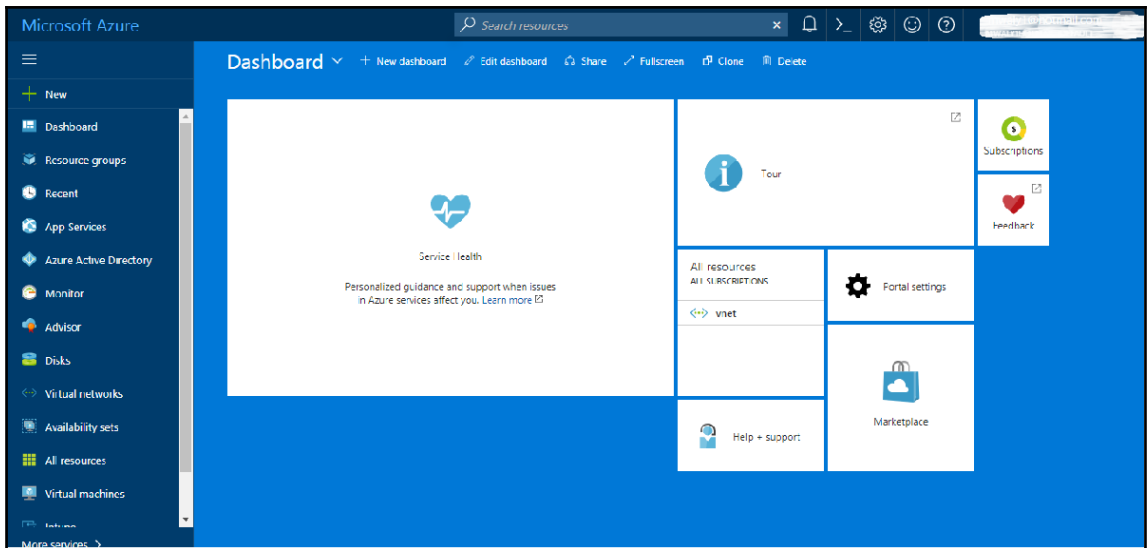
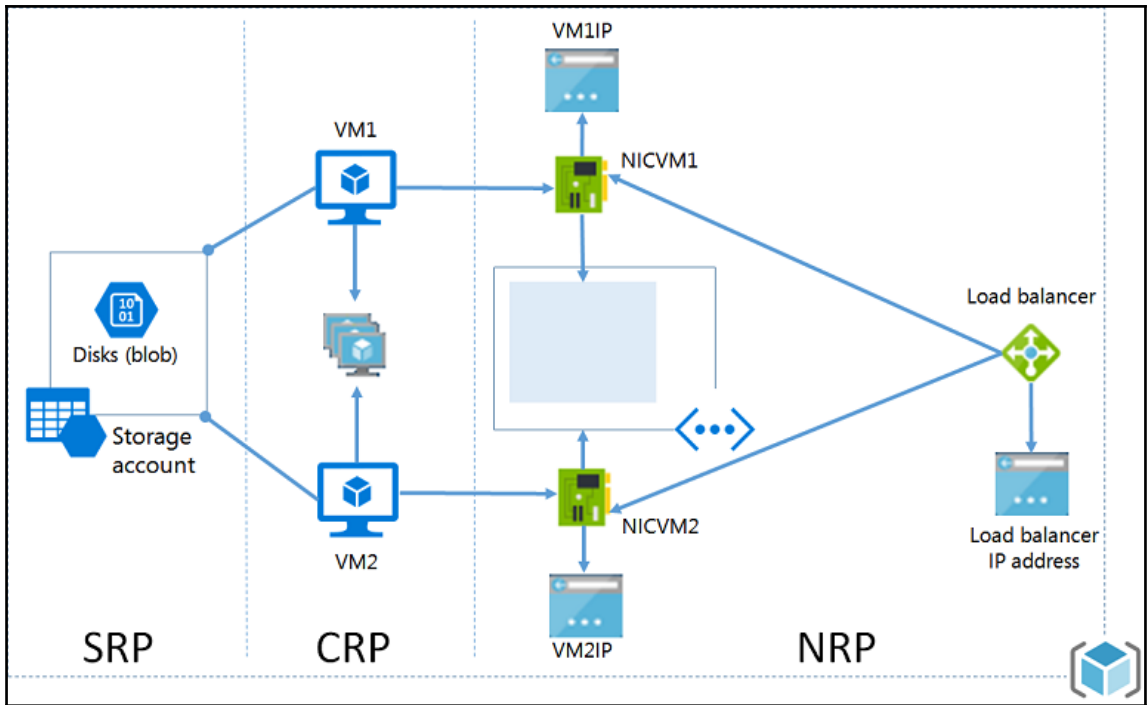


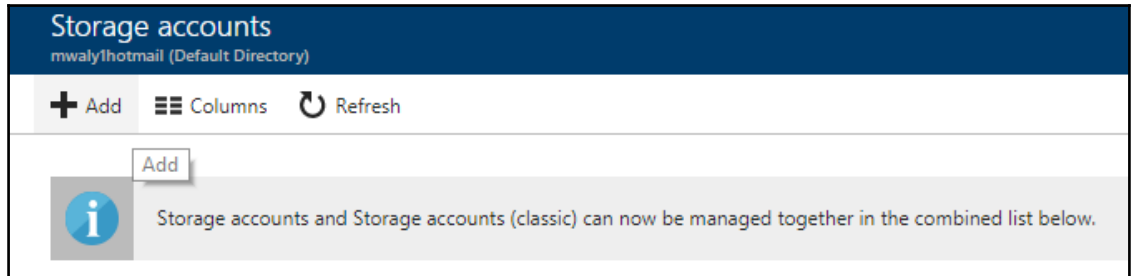
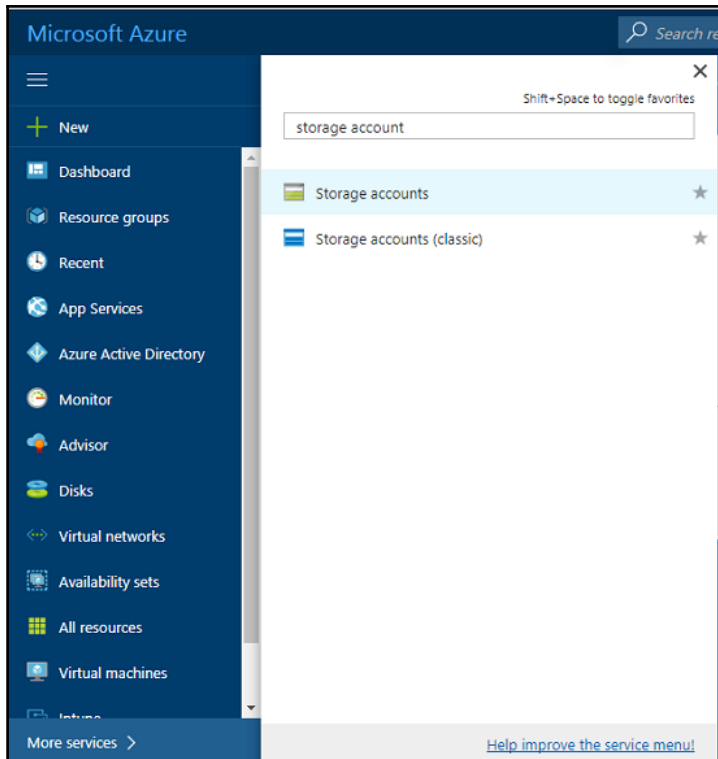
Microsoft Azure | Check out the new portal | Subscriptions | [Profile Icon]

ALL ITEMS | all items

NAME	TYPE	STATUS	SUBSCRIPTION	LOCATION
[Blurred]	[Blurred]	[Blurred]	[Blurred]	[Blurred]
[Blurred]	[Blurred]	[Blurred]	[Blurred]	[Blurred]
[Blurred]	[Blurred]	[Blurred]	[Blurred]	[Blurred]

+ NEW | ?





Storage accounts

mwaly1hotmail (Default Directory)

+ Add Columns Refresh

i Storage accounts and Storage accounts (classic) can now be managed together in the combined list below.

Subscriptions: All 2 selected – Don't see a subscription? [Switch directories](#)

Filter by name...

6 items

NAME ▾

	...
	...
	...
	...
	...
	...

Create storage account

The cost of your storage account depends on the usage and the options you choose below. [Learn more](#)

* Name ⓘ

.core.windows.net

Deployment model ⓘ

Resource manager Classic

Account kind ⓘ

General purpose ▾

Performance ⓘ

Standard Premium

Replication ⓘ

Read-access geo-redundant storage (RA-... ▾

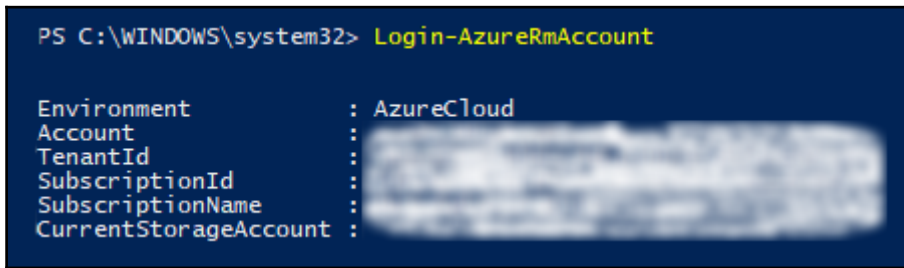
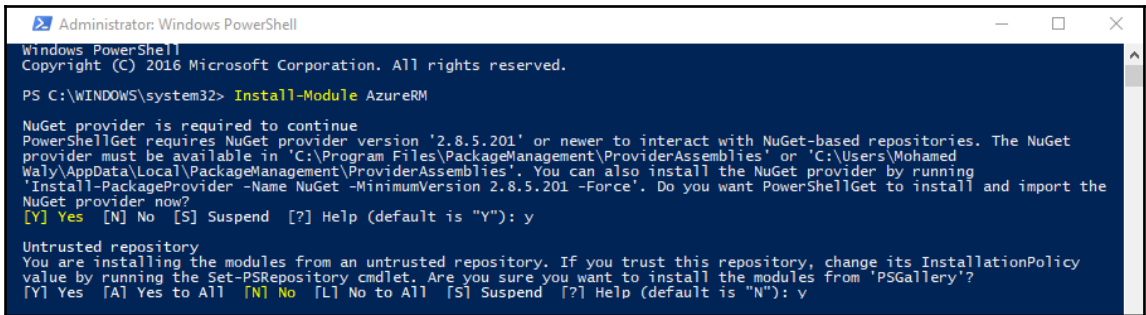
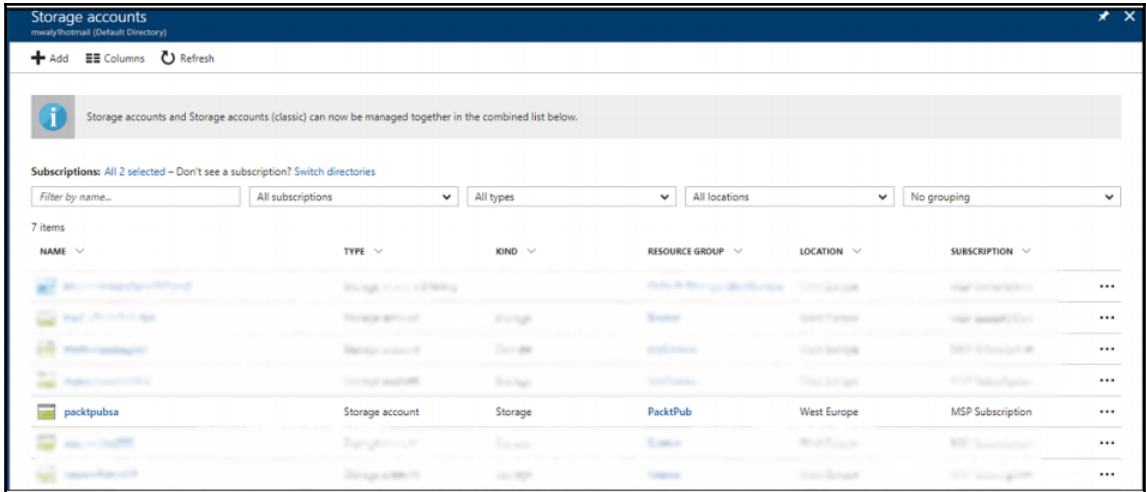
* Storage service encryption (blobs and files) ⓘ

Disabled Enabled

* Secure transfer required ⓘ

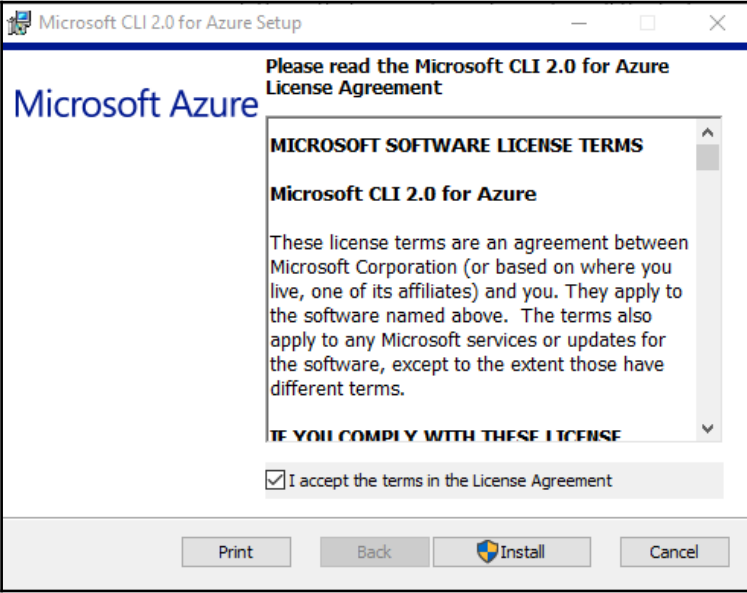
Pin to dashboard

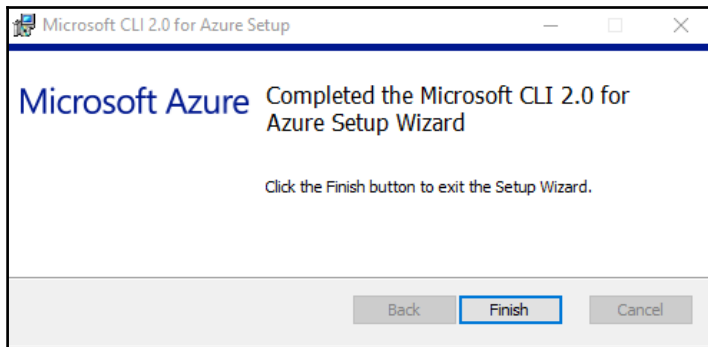
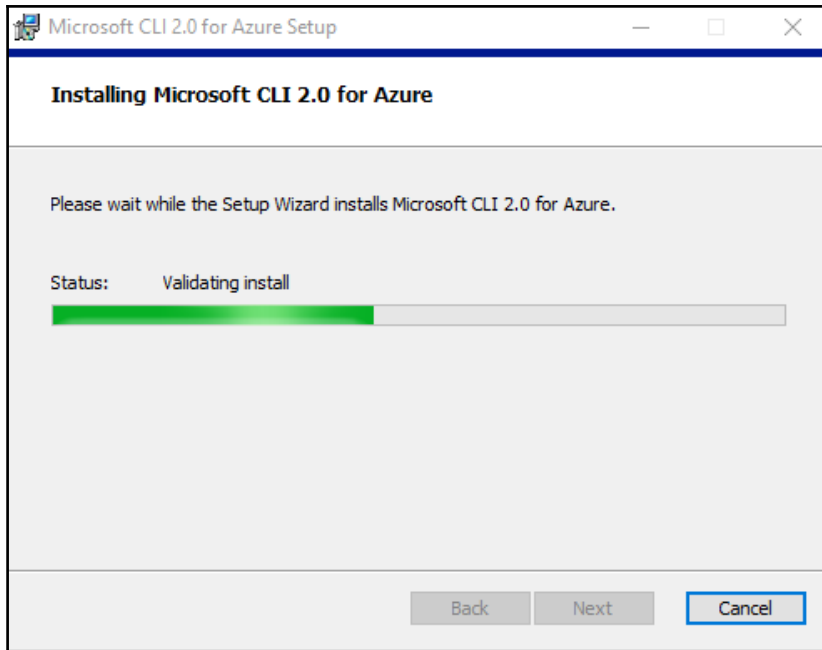
Create Automation options



```
PS C:\WINDOWS\system32> New-AzureRmStorageAccount -ResourceGroupName "PacktPub" -AccountName "packtpubsaps" -Location "West Europe" -SkuName "Standard_LRS"

ResourceGroupName      : packtpub
StorageAccountName    : packtpubsaps
Id                    : /subscriptions/████████████████████/resourceGroups/packtpub/providers/Microsoft.StorageAccounts/packtpubsaps
Location              : westeurope
Sku                   : Microsoft.Azure.Management.Storage.Models.Sku
Kind                  : Storage
Encryption            :
AccessTier            :
CreationTime         : 7/31/2017 10:08:59 AM
CustomDomain         :
Identity             :
LastGeoFailoverTime  :
PrimaryEndpoints     : Microsoft.Azure.Management.Storage.Models.Endpoints
PrimaryLocation      : westeurope
ProvisioningState    : Succeeded
SecondaryEndpoints   :
SecondaryLocation    :
StatusOfPrimary      : Available
StatusOfSecondary    :
Tags                 : {}
EnableHttpsTrafficOnly : False
Context              : Microsoft.WindowsAzure.Commands.Common.Storage.LazyAzureStorageContext
ExtendedProperties    : {}
```



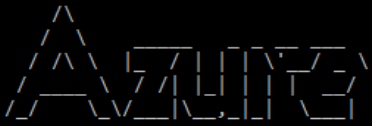



```
C:\WINDOWS\system32>az

Welcome to Azure CLI!
-----
Use `az -h` to see available commands or go to https://aka.ms/cli.

Telemetry
-----
The Azure CLI collects usage data in order to improve your experience.
The data is anonymous and does not include commandline argument values.
The data is collected by Microsoft.

You can change your telemetry settings with `az configure`.

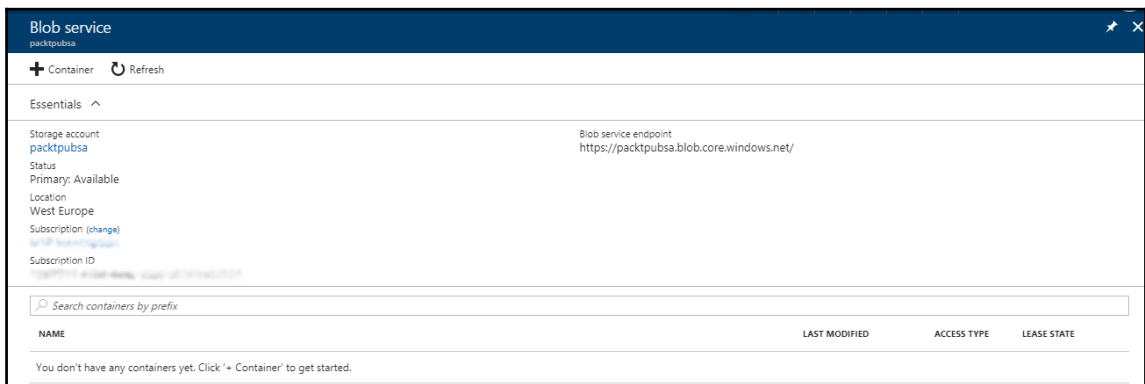
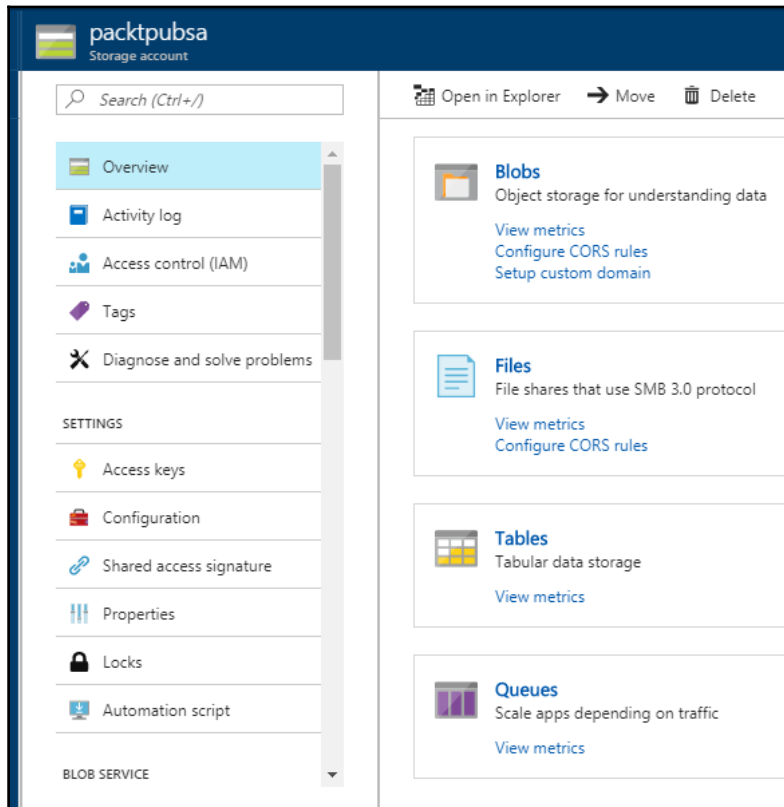


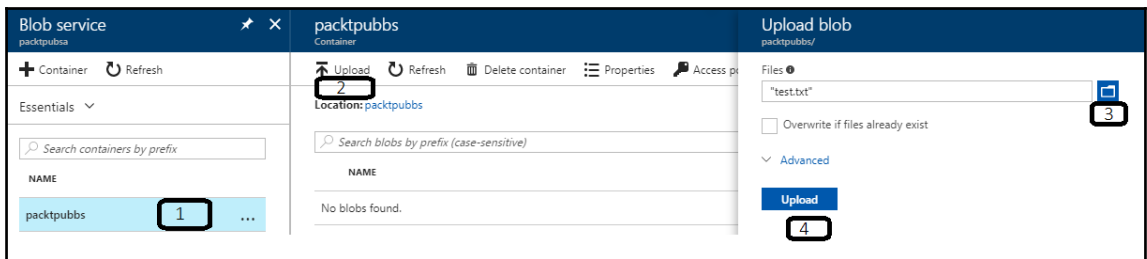
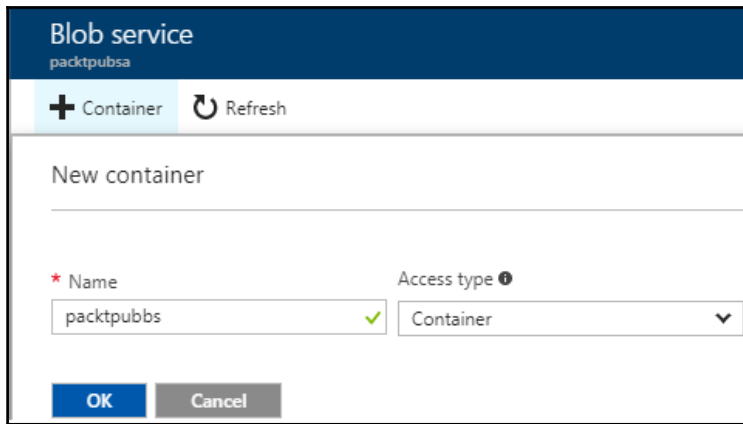
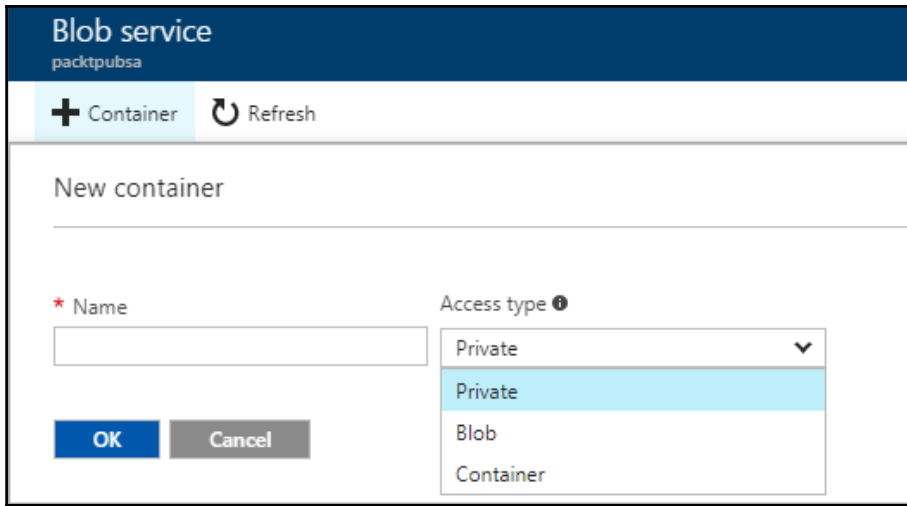
Welcome to the cool new Azure CLI!
```

```
C:\WINDOWS\system32>az login
To sign in, use a web browser to open the page https://aka.ms/devicelogin and enter the code [REDACTED] to authenticate.
[
  {
    "cloudName": "AzureCloud",
    "id": "[REDACTED]",
    "isDefault": true,
    "name": "[REDACTED]",
    "state": "Enabled",
    "tenantId": "[REDACTED]",
    "user": {
      "name": "[REDACTED]",
      "type": "user"
    }
  },
  {
    "cloudName": "AzureCloud",
    "id": "[REDACTED]",
    "isDefault": false,
    "name": "[REDACTED]",
    "state": "Enabled",
    "tenantId": "[REDACTED]",
    "user": {
      "name": "[REDACTED]",
      "type": "user"
    }
  }
]
C:\WINDOWS\system32>
```

```
C:\WINDOWS\system32>az storage account create --location "West Europe" --name packtpubsacli --resource-group "PacktPub"
--sku "Standard_LRS"
{/ Finished ..
  "accessTier": null,
  "creationTime": "2017-07-31T11:14:18.249342+00:00",
  "customDomain": null,
  "enableHttpsTrafficOnly": false,
  "encryption": null,
  "id": "/subscriptions/[REDACTED]/resourceGroups/packtpub/providers/Microsoft.Storage/storage
Accounts/packtpubsacli",
  "kind": "Storage",
  "lastGeoFailoverTime": null,
  "location": "westeurope",
  "name": "packtpubsacli",
  "primaryEndpoints": {
    "blob": "https://packtpubsacli.blob.core.windows.net/",
    "file": "https://packtpubsacli.file.core.windows.net/",
    "queue": "https://packtpubsacli.queue.core.windows.net/",
    "table": "https://packtpubsacli.table.core.windows.net/"
  },
  "primaryLocation": "westeurope",
  "provisioningState": "Succeeded",
  "resourceGroup": "packtpub",
  "secondaryEndpoints": null,
  "secondaryLocation": null,
  "sku": {
    "name": "Standard_LRS",
    "tier": "Standard"
  },
  "statusOfPrimary": "available",
  "statusOfSecondary": null,
  "tags": {},
  "type": "Microsoft.Storage/storageAccounts"
}
```

Chapter 2: Delving into Azure Storage






Upload blob

packtpubbs/

Files ⓘ



Overwrite if files already exist

Blob type ⓘ

▼

Upload .vhd files as page blobs (recommended)

Block size ⓘ

▼

Upload to folder

Upload

The screenshot displays the Azure portal interface for a storage account named 'packtpubsa'. The top navigation bar includes the account name and 'Storage account'. A search bar is located at the top left. The left-hand navigation pane is organized into sections: 'Overview' (highlighted), 'Activity log', 'Access control (IAM)', 'Tags', and 'Diagnose and solve problems'. Below these are 'SETTINGS' including 'Access keys', 'Configuration', 'Shared access signature', 'Properties', 'Locks', and 'Automation script'. At the bottom of the navigation pane is 'BLOB SERVICE'. The main content area features a toolbar with 'Open in Explorer', 'Move', and 'Delete' options. The central area lists four storage services: 'Blobs' (Object storage for understanding data, with links for 'View metrics', 'Configure CORS rules', and 'Setup custom domain'), 'Files' (File shares that use SMB 3.0 protocol, with links for 'View metrics' and 'Configure CORS rules'), 'Tables' (Tabular data storage, with a link for 'View metrics'), and 'Queues' (Scale apps depending on traffic, with a link for 'View metrics').

Table service
packtpubsa

Refresh + Table Delete tables

Check out premium Table experience with Azure Cosmos DB →

Essentials ^

Storage account **packtpubsa** Table service endpoint <https://packtpubsa.table.core.windows.net/>

Status
Primary: Available

Location
West Europe

Subscription (change)

Subscription ID

Search tables by prefix

TABLE	URL
You don't have any tables yet.	

Table service
packtpubsa

Refresh + Table Delete tables

Add table **1**

* Table name **2**
packtpubtable ✓

OK Cancel

Table service

packtpubsa

🔄 Refresh
➕ Table
🗑️ Delete tables

📘 Check out premium Table experience with Azure Cosmos DB →

Essentials ^

<p>Storage account packtpubsa</p> <p>Status Primary: Available</p> <p>Location West Europe</p> <p>Subscription (change) View Subscription</p> <p>Subscription ID <code>12345678-9101-1111-2222-333344445555</code></p>	<p>Table service endpoint https://packtpubsa.table.core.windows.net/</p>
--	---

TABLE	URL
packtpubtable	https://packtpubsa.table.core.windows.net/packtpubtable

packtpubsa
Storage account

Search (Ctrl+/)

Open in Explorer → Move Delete

- Overview**
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

SETTINGS

- Access keys
- Configuration
- Shared access signature
- Properties
- Locks
- Automation script

BLOB SERVICE

- Blobs**
Object storage for understanding data
[View metrics](#)
[Configure CORS rules](#)
[Setup custom domain](#)
- Files**
File shares that use SMB 3.0 protocol
[View metrics](#)
[Configure CORS rules](#)
- Tables**
Tabular data storage
[View metrics](#)
- Queues**
Scale apps depending on traffic
[View metrics](#)

Queue service
packtpubsa

Refresh + Queue Delete queues

Essentials ^

Storage account [packtpubsa](#) Queue service endpoint <https://packtpubsa.queue.core.windows.net/>

Status
Primary: Available

Location
West Europe

Subscription [\(change\)](#)

Subscription ID

Search queues by prefix (case-sensitive)

QUEUE	URL
You don't have any queues yet.	

Queue service
packtpubsa

Refresh + Queue Delete queues

Add queue **1**

* Queue name **2**
packtpubqueue ✓

OK Cancel

Queue service
packtpubsa

Refresh + Queue Delete queues

Essentials ^

Storage account
packtpubsa

Queue service endpoint
https://packtpubsa.queue.core.windows.net/

Status
Primary: Available

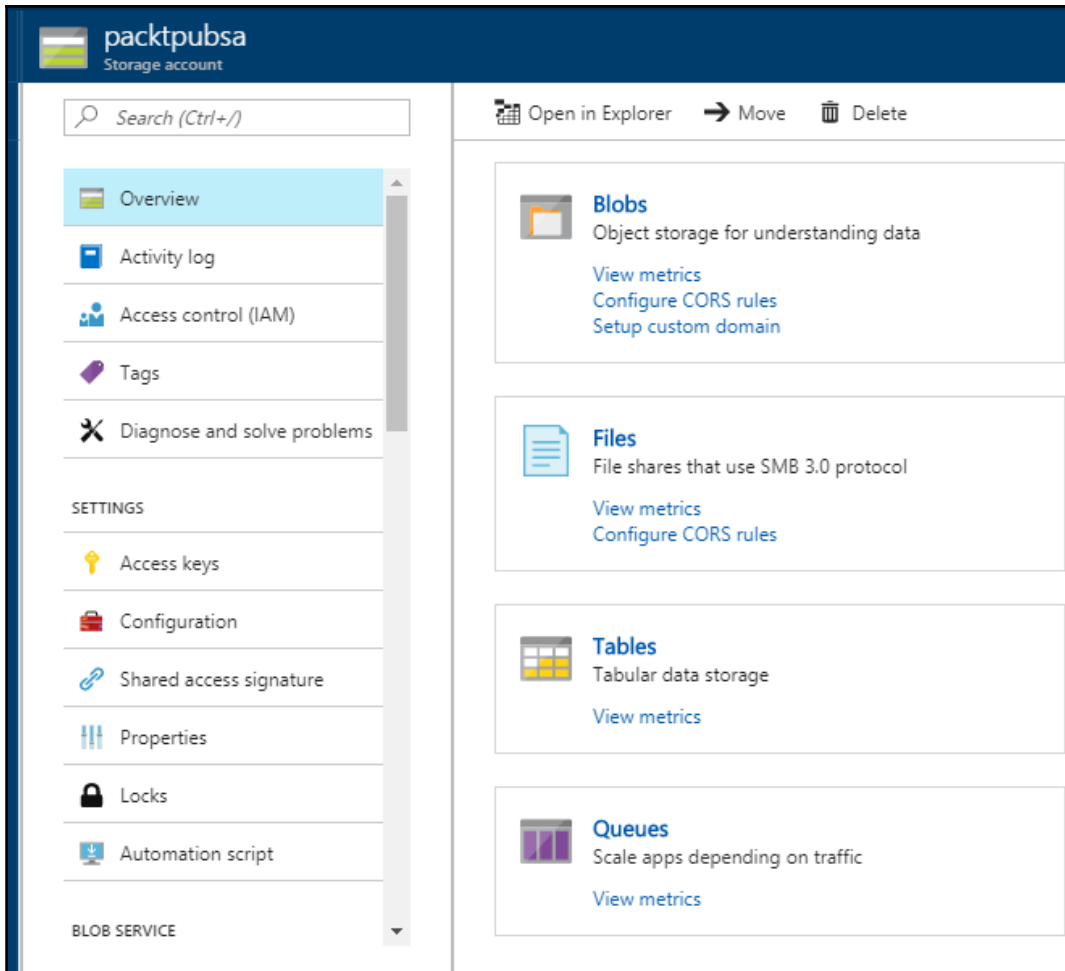
Location
West Europe

Subscription (change)
Microsoft Azure

Subscription ID
15b27711-4d78-484c-844c-4c1228a19218

Search queues by prefix (case-sensitive)

QUEUE	URL
packtpubqueue	https://packtpubsa.queue.core.windows.net/packtpubqueue



File service
packtpubsa

+ File share Refresh

Essentials ^

Storage account
[packtpubsa](#)

File service endpoint
https://packtpubsa.file.core.windows.net/

Status
Primary: Available

Location
West Europe

Subscription (change)
[Link to subscription](#)

Subscription ID
xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

Search file shares by prefix

NAME	MODIFIED	QUOTA
You don't have any file shares yet. Click '+ File share' to get started.		

File service
packtpubsa

+ File share Refresh

1 New file share

* Name 2
packtpubfs ✓

Quota ●
GB

OK Cancel

File service
packtpubsa

+ File share Refresh

Essentials ^

Storage account [packtpubsa](#) File service endpoint <https://packtpubsa.file.core.windows.net/>

Status
Primary: Available

Location
West Europe

Subscription ([change](#))
[View subscription](#)

Subscription ID
[XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX](#)

Search file shares by prefix

NAME	MODIFIED	QUOTA
packtpubfs	8/8/2017, 5:05:44 PM	5 TiB

File service packtpubsa

+ File share Refresh

Essentials v

Search file shares by prefix

NAME

packtpubfs ...

packtpubfs
File share

Connect Upload Add directory Refresh Delete share Properties Quota

Location: packtpubfs

Search files by prefix

NAME	TYPE	SIZE
No files found.		

Connect
>

packtpubfs

Connecting from Windows

To connect to this file share from a Windows computer, run this command:

```
net use [drive letter] \\packtpubsa.file.core.windows.net\packtpu
```

When connecting from a computer from outside Azure, remember to open outbound TCP port 445 in your local network. Some Internet service providers may block port 445. Check with your service provider for details.

[Learn more about Azure File Storage with Windows](#)

Connecting from Linux

To connect to this file share from a Linux computer, run this command:

```
sudo mount -t cifs //packtpubsa.file.core.windows.net/packtp...
```

The Linux SMB3 client doesn't support share level encryption yet, so mounting a file share in Linux only works from virtual machines running in the same Azure region as the file share.

[Learn more about Azure File Storage with Linux](#)

packtpubfs
packtpubfs

packtpubfs

Connect
Upload
+ Add directory
Refresh
Delete share
Properties

Location: [packtpubfs](#)

NAME	TYPE
No files found.	

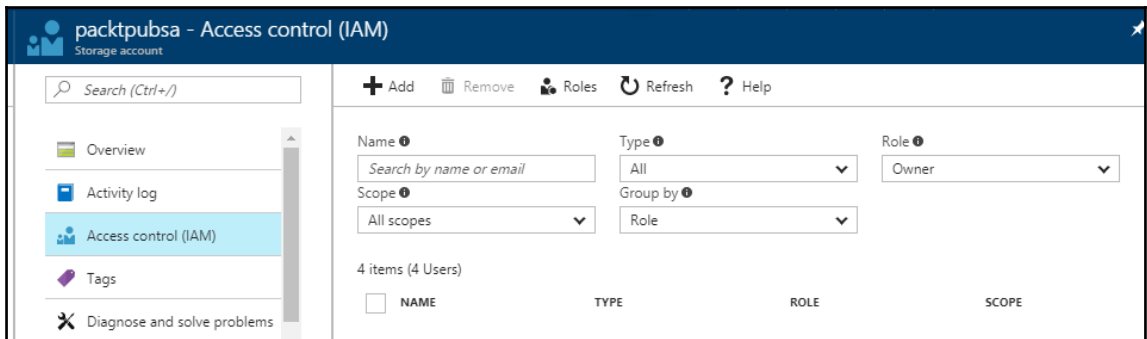
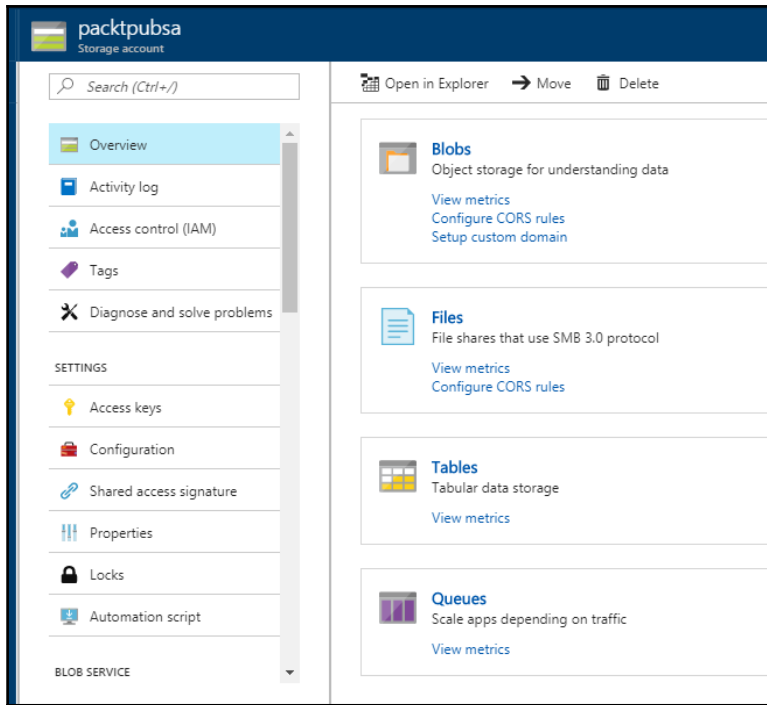
Upload files

packtpubfs



Files



Overwrite if files already exist


Upload




Add permissions

Role  Reader 

Select  

 **Selected member**
user@packtpub.com

Selected members:






 **Selected member**
user@packtpub.com [Remove](#)






packtpubsa - Access control (IAM)





Storage account

Search (Ctrl+/)



- Overview
- Activity log
- Access control (IAM)**
- Tags
- Diagnose and solve problems

 Add
  Remove
  Roles
  Refresh
  Help

Name 
 Type  All 
 Role  2 selected 

Scope  All scopes 
 Group by  Role 

READER

	User	Reader 	This resource
---	------	--	---------------

packtpubsa - Access keys
Storage account

Search (Ctrl+/)

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

SETTINGS

- Access keys

Use access keys to authenticate your applications when making requests to this Azure storage account. Store your access keys securely - for example, using Azure Key Vault - and don't share them. We recommend regenerating your access keys regularly. You are provided two access keys so that you can maintain connections using one key while regenerating the other.

When you regenerate your access keys, you must update any Azure resources and applications that access this storage account to use the new keys. This action will not interrupt access to disks from your virtual machines. [Learn more](#)

Storage account name: packtpubsa

Default keys

NAME	KEY	CONNECTION STRING
key1	uwFDUIbOpYJf4d98G6PvaSH9kS8pY7...	DefaultEndpointsProtocol=https;Acco...
key2	/2U7m9li5ylpEwtW35QdrW6jbJdz+K...	DefaultEndpointsProtocol=https;Acco...

Regenerate access key

The current key will become immediately invalid and is not recoverable. Do you want to regenerate access key 'key1'?

2

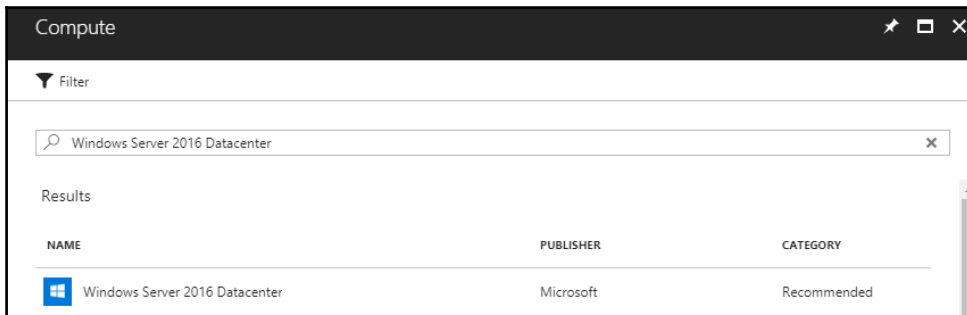
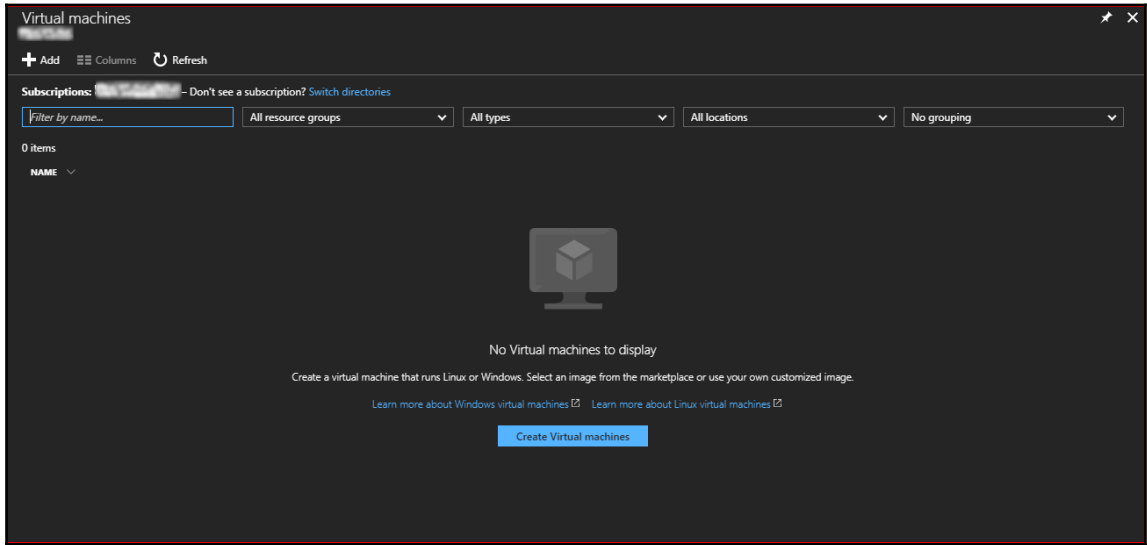
Yes No

Default keys

NAME	KEY	CONNECTION STRING
key1	uwFDUIbOpYJf4d98G6PvaSH9kS8pY7...	DefaultEndpointsProtocol=https;Acco...
key2	/2U7m9li5ylpEwtW35QdrW6jbJdz+K...	DefaultEndpointsProtocol=https;Acco...

1

Chapter 3: Azure Storage for VMs



Windows Server 2016 Datacenter
Microsoft

Windows Server 2016 is the cloud-ready operating system that delivers new layers of security and Azure-inspired innovation for the applications and infrastructure that power your business. Increase security and reduce risk with multiple layers of protection built into the operating system. Evolve your datacenter to save money and gain flexibility with software-defined compute, storage and network technologies. Innovate faster with an application platform optimized for the applications you run today, as well as the cloud-based apps of tomorrow.

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PUBLISHER Microsoft

USEFUL LINKS [Learn more](#)
[Documentation](#)

Select a deployment model ●

Resource Manager ▼

Create

Create virtual machine

- 1 Basics
Configure basic settings
- 2 Size
Choose virtual machine size
- 3 Settings
Configure optional features
- 4 Purchase
Windows Server 2016 Datacent...

Basics

* Name
PacktPubVM ✓

VM disk type
HDD ▼

* User name
pbuser ✓

* Password
..... ✓

* Confirm password
..... ✓

Subscription
..... ▼

Resource group
 Create new Use existing

PacktPub ▼

Location
West Europe ▼

Save money
Save up to 40% with a license you already own.

* Already have a Windows Server license? ⓘ

OK

Choose a size

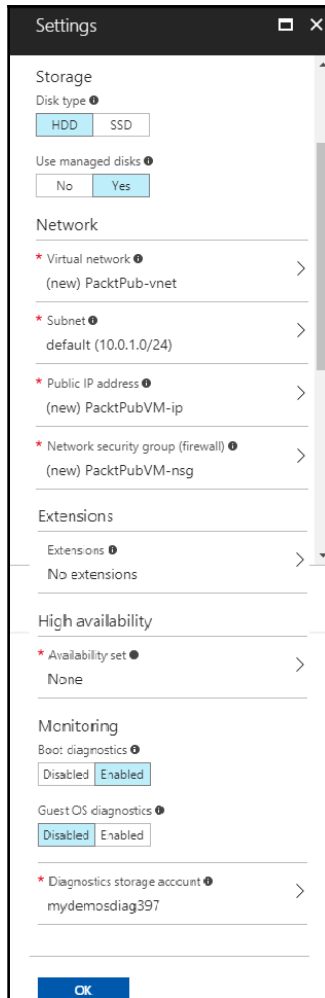
Browse the available sizes and their features

Prices presented are estimates in your local currency that include only Azure infrastructure costs and any discounts for the subscription and location. The prices don't include any applicable software costs. Recommended sizes are determined by the publisher of the selected image based on hardware and software requirements.

Supported disk type Minimum cores Minimum memory (GiB)
HDD 1 0

[★ Recommended](#) | [View all](#)

D2S_V3 Standard		D4S_V3 Standard		D8S_V3 Standard	
2	Core	4	Core	8	Core
8	GB	16	GB	32	GB
2 Data disks		4 Data disks		8 Data disks	
3200 Max IOPS		6400 Max IOPS		12800 Max IOPS	
16 GB Local SSD		32 GB Local SSD		64 GB Local SSD	
Premium disk support		Premium disk support		Premium disk support	



Purchase

i Validation passed

purchases. Prices presented are retail prices and may not reflect discounts associated with your subscription.

Summary

Basics

Subscription [View subscription](#)

Resource group PacktPub

Location West Europe

Settings

Computer name PacktPub

Disk type HDD

Terms of use

By clicking "Purchase", I (a) agree to the legal terms and privacy statement(s) associated with each Marketplace offering above, (b) authorize Microsoft to charge or bill my current payment method for the fees associated with my use of the offering(s), including applicable taxes, with the same billing frequency as my Azure subscription, until I discontinue use of the offering(s), and (c)

I give Microsoft permission to use and share my contact information so that Microsoft or the Provider can contact me regarding this product and related products.

Purchase [Download template and parameters](#)

PacktPub
Virtual machine

Search (Ctrl+/)

Connect Start Restart Stop Move Delete Refresh

Essentials ^

Resource group (change) PacktPub	Computer name PacktPub
Status Running	Operating system Windows
Location West Europe	Size Standard D1 v2 (1 core, 3.5 GB memory)
Subscription (change) View subscription	Public IP address 13.93.6.8
Subscription ID View subscription ID	Virtual network/subnet PacktPub-vnet/default
	DNS name

Overview

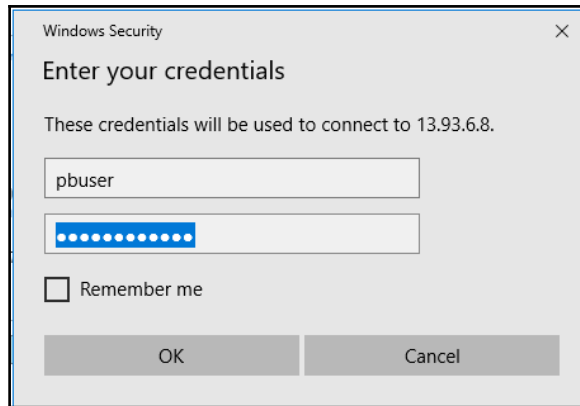
Activity log

Access control (IAM)

Tags

Diagnose and solve problems

SETTINGS



	Azure Premium Disk	Azure Standard Disk
Disk Type	Solid State Drives (SSD)	Hard Disk Drives (HDD)
Overview	SSD-based high-performance, low-latency disk support for VMs running IO-intensive workloads or hosting mission critical production environment	HDD-based cost effective disk support for Dev/Test VM scenarios
Scenario	Production and performance sensitive workloads	Dev/Test, non-critical, Infrequent access
Disk Size	P4: 32 GB (Managed Disks only) P6: 64 GB (Managed Disks only) P10: 128 GB P20: 512 GB P30: 1024 GB P40: 2048 GB P50: 4095 GB	Unmanaged Disks: 1 GB – 4 TB (4095 GB) Managed Disks: S4: 32 GB S6: 64 GB S10: 128 GB S20: 512 GB S30: 1024 GB S40: 2048 GB S50: 4095 GB
Max Throughput per Disk	250 MB/s	60 MB/s
Max IOPS per Disk	7500 IOPS	500 IOPS

Virtual machine: PacktPub

Search (Ctrl+/)

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

SETTINGS

- Availability set
- Disks
- Extensions
- Network interfaces
- Size
- Backup

Essentials

Resource group (change): PacktPub

Status: Running

Location: West Europe

Subscription (change): [link]

Subscription ID: [link]

Computer name: PacktPub

Operating system: Windows

Size: Standard D1 v2 (1 core, 3.5 GB memory)

Public IP address: 13.93.6.8

Virtual network/subnet: PacktPub-vnet/default

DNS name: -

Show data for last: 1 hour | 6 hours | 12 hours | 1 day | 7 days | 30 days

CPU (average) [↗] [★]

Network (total) [↗] [★]

Disk bytes (total) [↗] [★]

Virtual machine: PacktPub - Disks

Search (Ctrl+/)

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

SETTINGS

- Availability set
- Disks

Edit

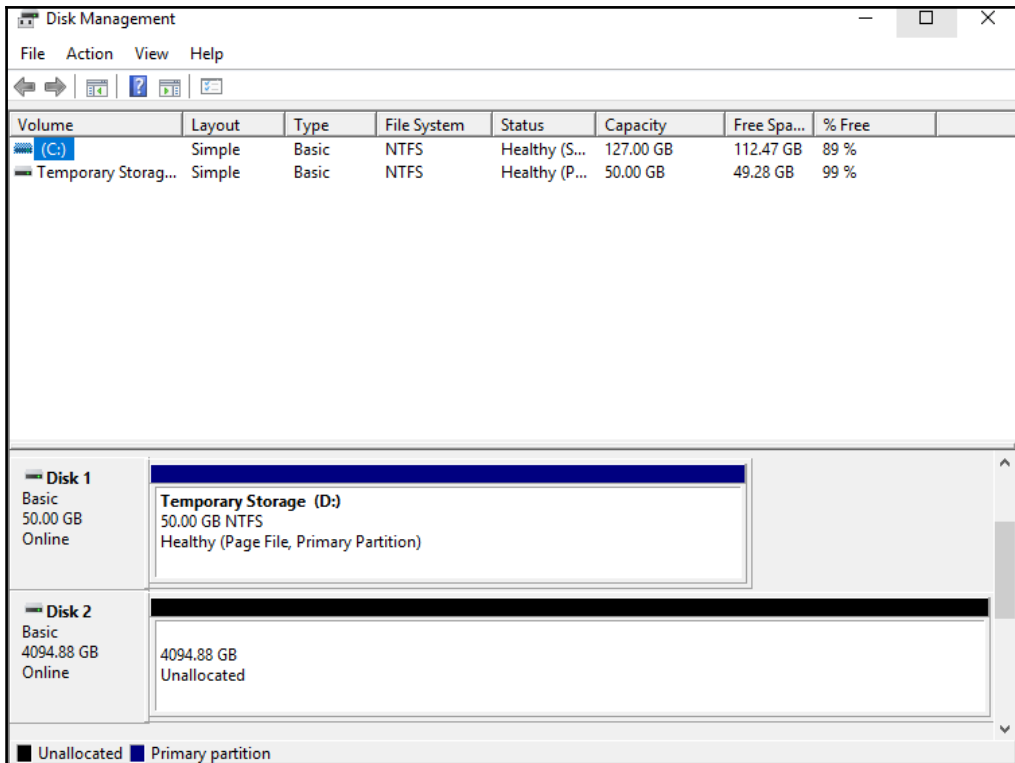
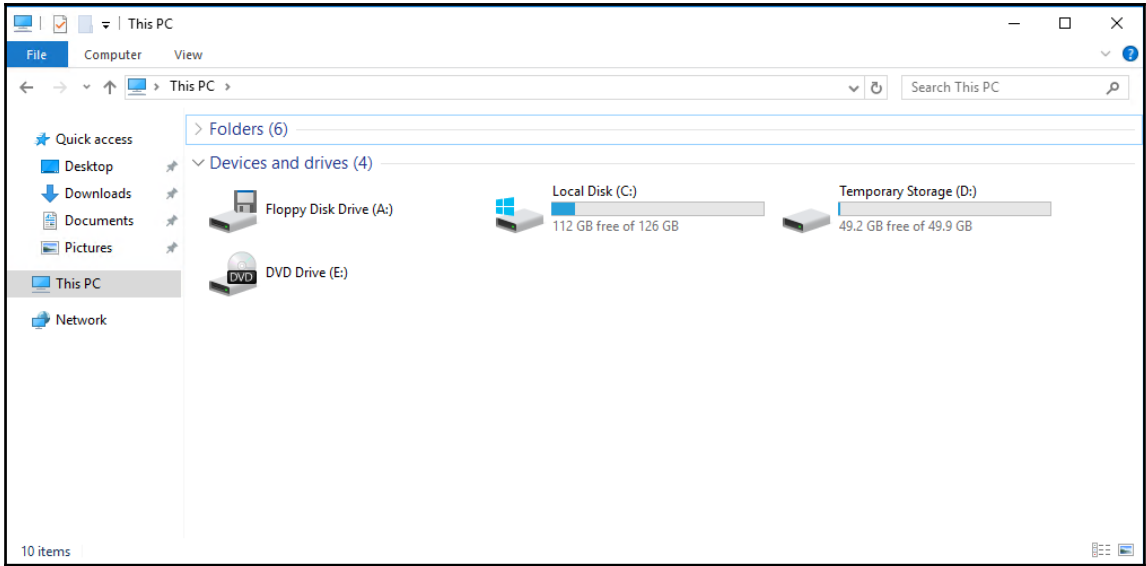
OS disk

NAME	SIZE	STORAGE ACCOUNT TYPE	ENCRYPTION	HOST CACHING
PacktPub		Standard_LRS	Not enabled	Read/write

Data disks

None

+ Add data disk



Save Discard

OS disk

NAME	SIZE	STORAGE ACCOUNT TYPE	ENCRYPTION	HOST CACHING
PacktPub		Standard_LRS	Not enabled	Read/write

Data disks

LUN	NAME	SIZE	STORAGE ACCOUNT TYPE	ENCRYPTION	HOST CACHING
0	PacktPub-DataDisk	4095 GiB	Standard_LRS	Not enabled	None

+ Add data disk

Disk Management

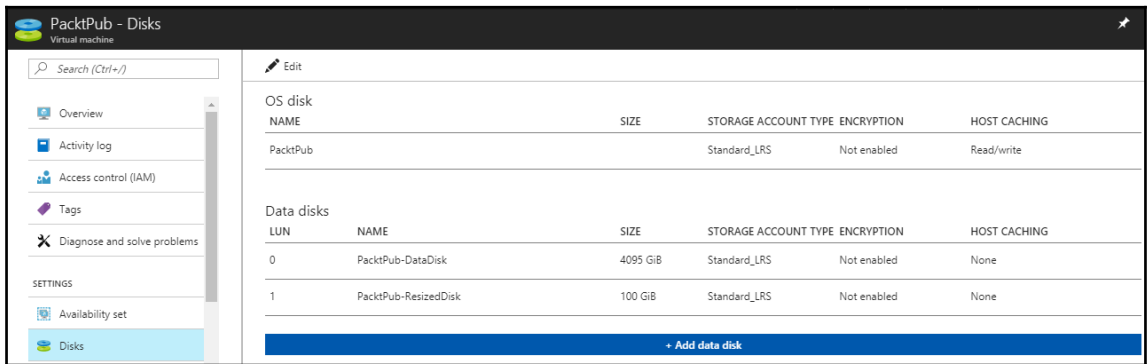
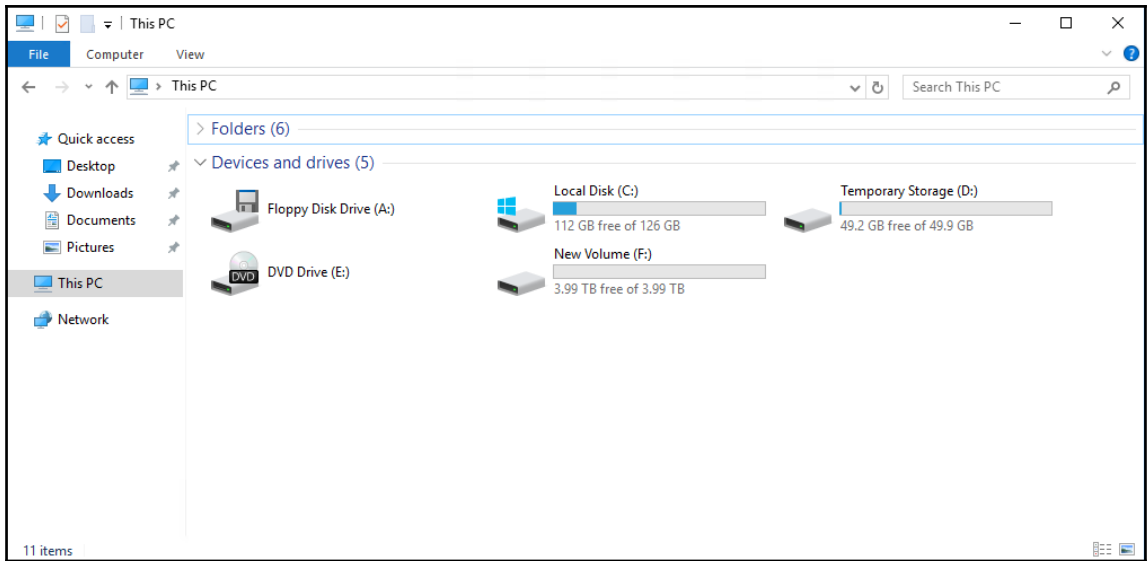
File Action View Help

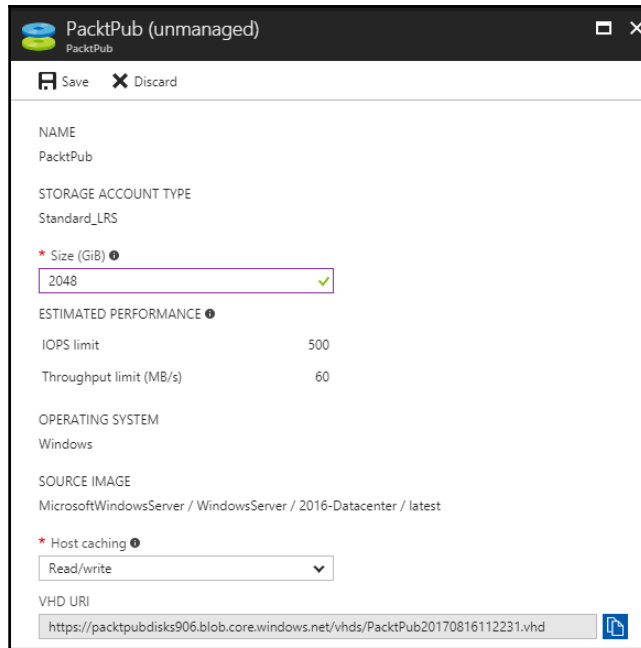
Volume	Layout	Type	File System	Status	Capacity	Free Spa...	% Free
(C:)	Simple	Basic	NTFS	Healthy (S...	127.00 GB	112.47 GB	89 %
Temporary Storag...	Simple	Basic	NTFS	Healthy (P...	50.00 GB	49.28 GB	99 %

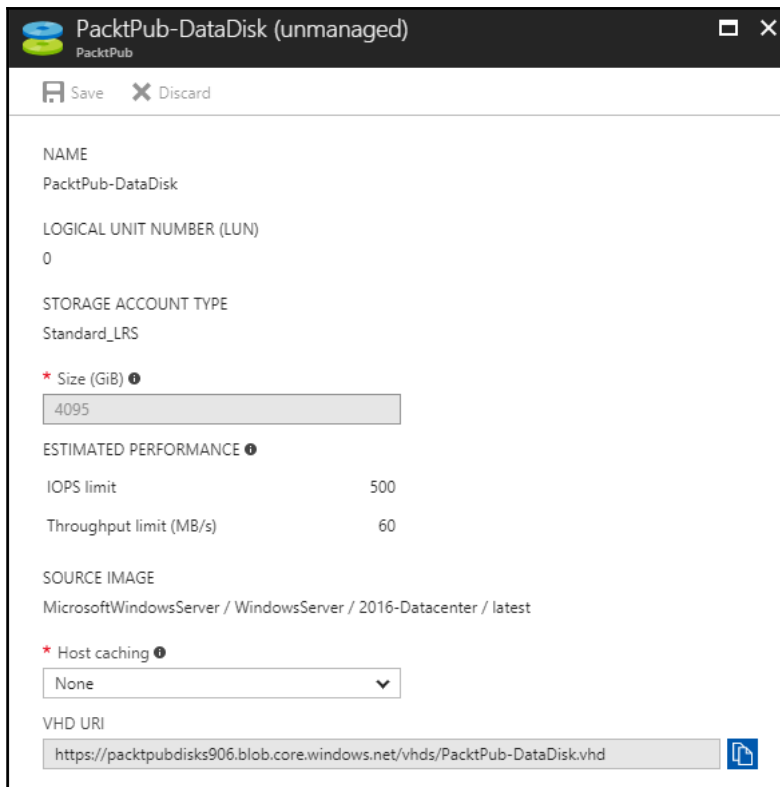
Disk 1
Basic
50.00 GB
Online
Temporary Storage (D:)
50.00 GB NTFS
Healthy (Page File, Primary Partition)

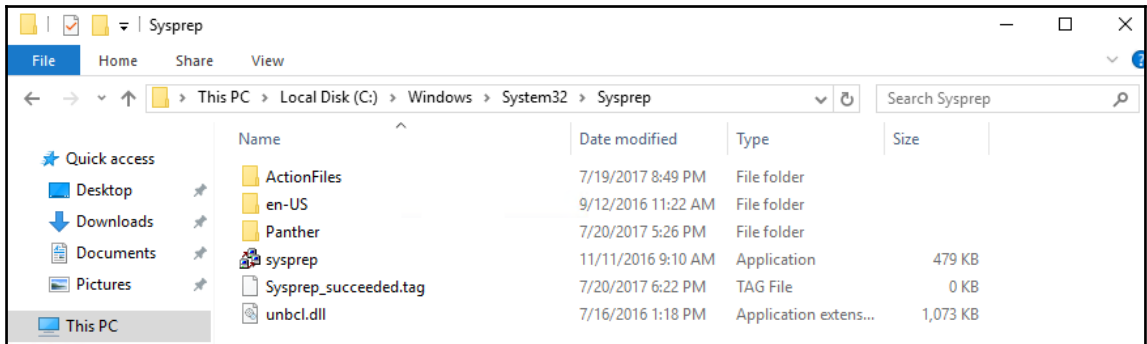
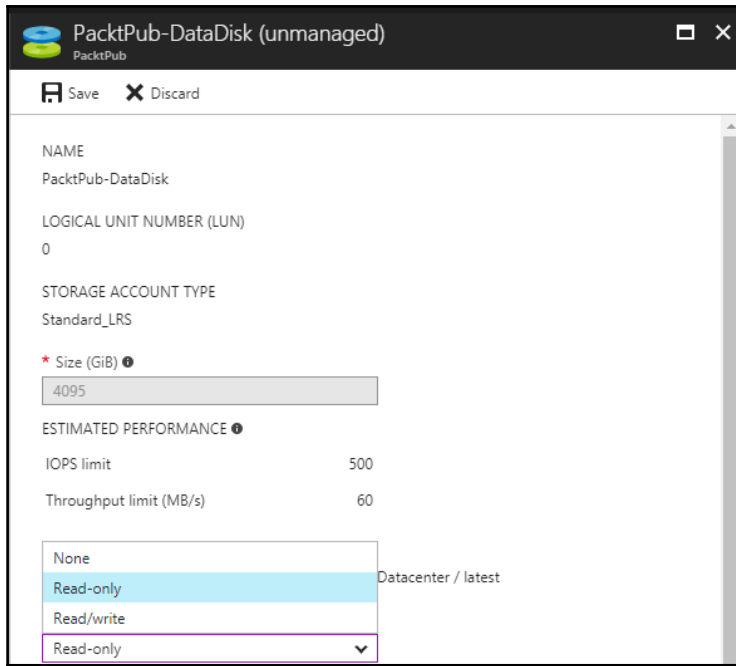
Disk 2
Basic
4094.88 GB
Online
4094.88 GB
Unallocated

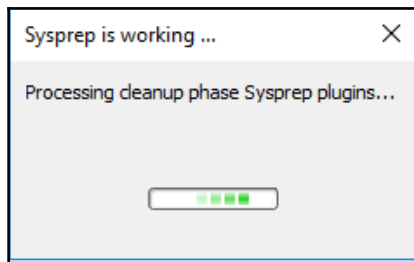
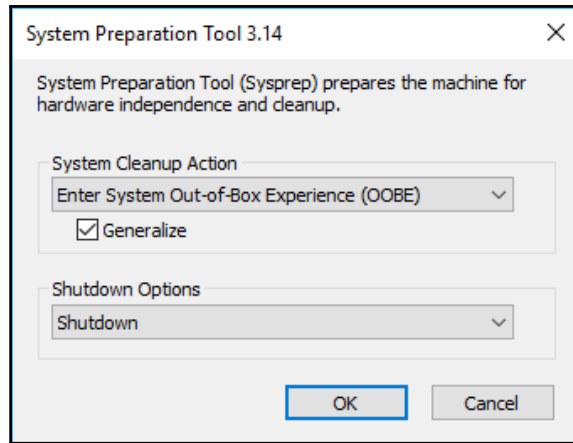
Unallocated Primary partition











PacktPubVM
Virtual machine

Connect Start Restart Stop Capture Move Delete Refresh

Stopped (still incurring compute charges)

Essentials

Resource group (change)	Computer name PacktPubVM
Status Stopped	Operating system Windows
Location West Europe	Size Standard E2s v3 (2 vcpus, 16 GB memory)
Subscription (change)	Public IP address 104.45.14.39
Subscription ID	Virtual network/subnet vnet/Subnet1
	DNS name

Show data for last: 1 hour 6 hours 12 hours 1 day 7 days 30 days

CPU (average)

Network (total)

Disk bytes (total)

Create image

Before creating an image, use "sysprep /generalize" to prepare the Windows guest OS on the virtual machine. If you create an image from a virtual machine that hasn't been generalized, any virtual machines created from that image won't start. Click here to learn more.

* Name
PacktPubVM-Image

Resource group
 Create new Use existing
 PacktPub

Before creating the image, this virtual machine will be deallocated automatically

Automatically delete this virtual machine after creating the image

Create

Images
LacticCloud

+ Add Columns Refresh

Subscriptions: MVP Subscription – Don't see a subscription? [Switch directories](#)

Filter by name... All resource groups All locations No grouping

1 items

NAME	SOURCE VIRTUAL MACHINE	OS TYPE	RESOURCE GROUP	LOCATION	SUBSCRIPTION
PacktPubVM-Image	PacktPubVM	Windows	PacktPub	West Europe	MVP Subscription

Create image

* Name

* Subscription

Resource group
 Create new Use existing

* Location
West Europe

OS disk
 * OS type
 Windows Linux

* Storage blob

* Account type
Standard (HDD)

* Host caching
Read/write

Data disks

Pin to dashboard

[Automation options](#)

Create image

* Name
PacktPub-Image ✓

* Subscription
MVP Subscription ▼

Resource group
 Create new Use existing
PacktPub ▼

* Location
West Europe ▼

OS disk
* OS type ●
Windows Linux

* Storage blob
https://packtpubdisks906.blob.core.windows.net/vhds/PacktPub20170816112231.vhd ✓ Browse

* Storage blob
https://packtpubdisks906.blob.core.windows.net/vhds/PacktPub20170816112231.vhd ✓ Browse

* Account type ●
Standard (HDD) ▼

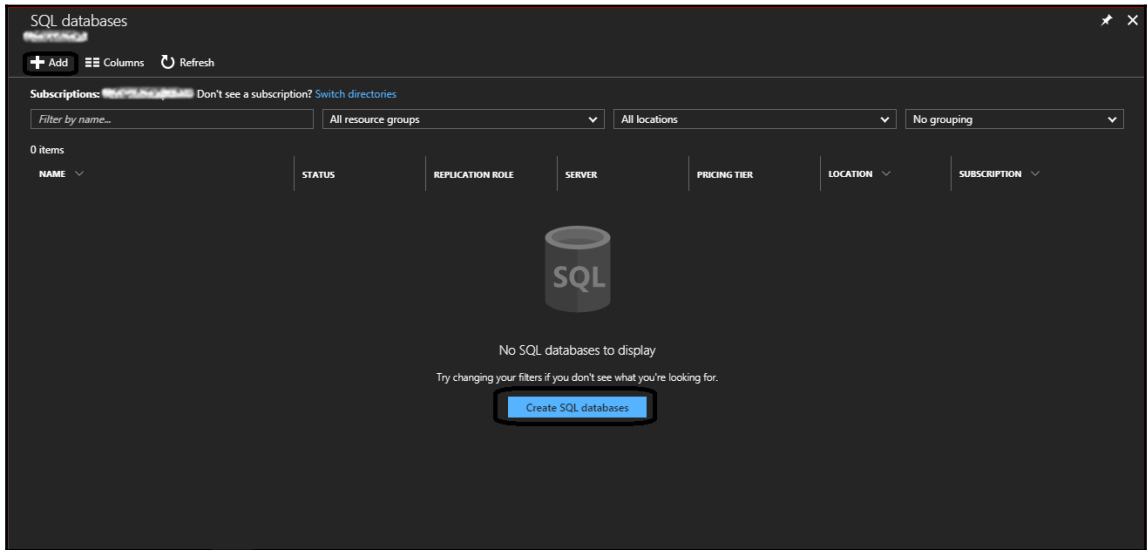
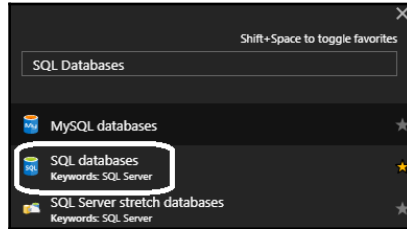
* Host caching ●
Read/write ▼

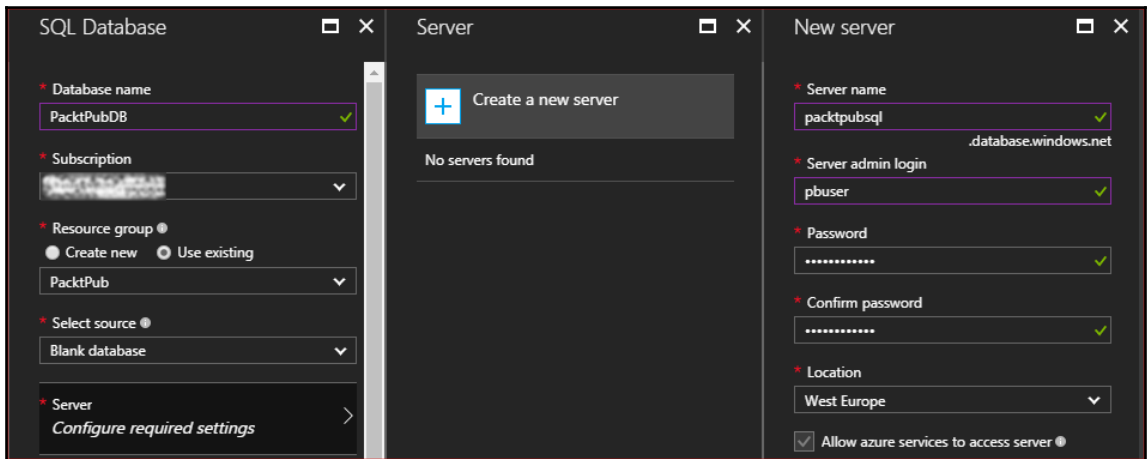
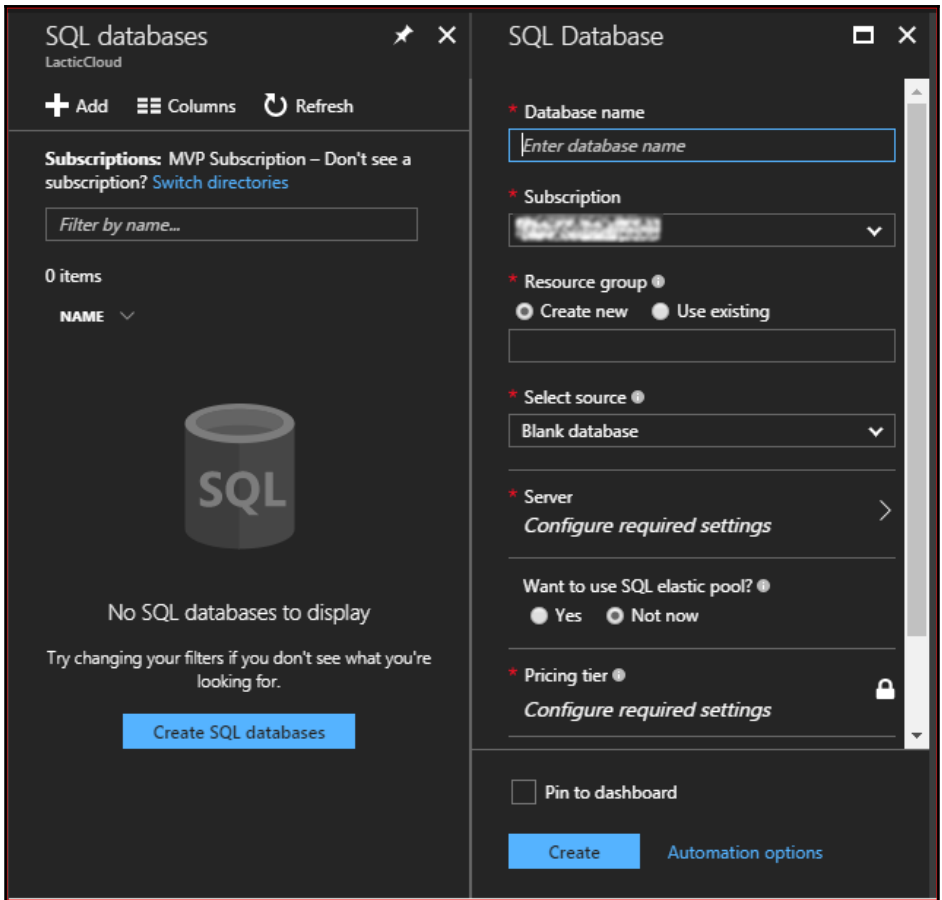
Data disks
+ Add data disk

Pin to dashboard

Create Automation options

Chapter 4: Implementing Azure SQL Databases





SQL Database ✕

Database name
PacktPubDB ✓

Subscription
PacktPub ▼

Resource group ●
 Create new Use existing

PacktPub ▼

Select source ●
Blank database ▼

Server
packtpubsql (West Europe) >

Want to use SQL elastic pool? ●
 Yes Not now

Pricing tier ●
Standard S3: 100 DTU, 250 GB >

Collation ●
SQL_Latin1_General_CP1_CI_AS

Pin to dashboard

Create Automation options

Configure performance ✕

Feedback ♥

Basic	Standard	Premium	PremiumRS
For infrequent access and less demanding workloads	For most production workloads	For IO- and compute-intensive workloads.	For IO- and compute-intensive workloads with reduced availability and durability needs. (Preview)
5 DTU Starting at 4.99 USD / month	10-3000 DTU Starting at 15.00 USD / month	125-4000 DTU Starting at 465.00 USD / month	125-1000 DTU Starting at 116.25 USD / month

DTU (10-3000 DTU) - [What is a DTU? ↗](#)

100 (S3) 150.00 USD

Storage (100 MB-1024 GB)

250 GB 0.00 USD

Monthly cost **150.00 USD**

Apply

SQL Database

* Database name
 ✓

* Subscription

* Resource group ●
 Create new Use existing

* Select source ●

* Server
 packtpubsql (West Europe)

Want to use SQL elastic pool? ●
 Yes Not now

* Pricing tier ●
 Standard S1: 20 DTU, 250 GB

* Collation ●

Pin to dashboard

Automation options

SQL databases

+ Add Columns Refresh

Subscriptions: MVP Subscription - Don't see a subscription? Switch directories

Filter by name... All resource groups All locations No grouping

1 items

NAME	STATUS	REPLICATION ROLE	SERVER	PRICING TIER	LOCATION	SUBSCRIPTION	...
PacktPubDB	Online	None	packtpubsql	Standard S1	West Europe	MVP Subscription	...

SQL servers

Subscriptions: **packtpubsql** – Don't see a subscription? [Switch directories](#)

Filter by name... All resource groups All locations No grouping

1 Items

NAME	STATUS	LOCATION	SUBSCRIPTION
packtpubsql	Available	West Europe	MVP Subscription

Firewall settings
packtpubsql (SQL server)

Save Discard Add client IP Add VNET rule

Connections from the IPs specified below provides access to all the databases in packtpubsql.

Allow access to Azure services ON OFF

Client IP address 156.223.211.84

RULE NAME	START IP	END IP

No firewall rules configured.

Firewall settings
packtpubsql (SQL server)

Save Discard Add client IP Add VNET rule

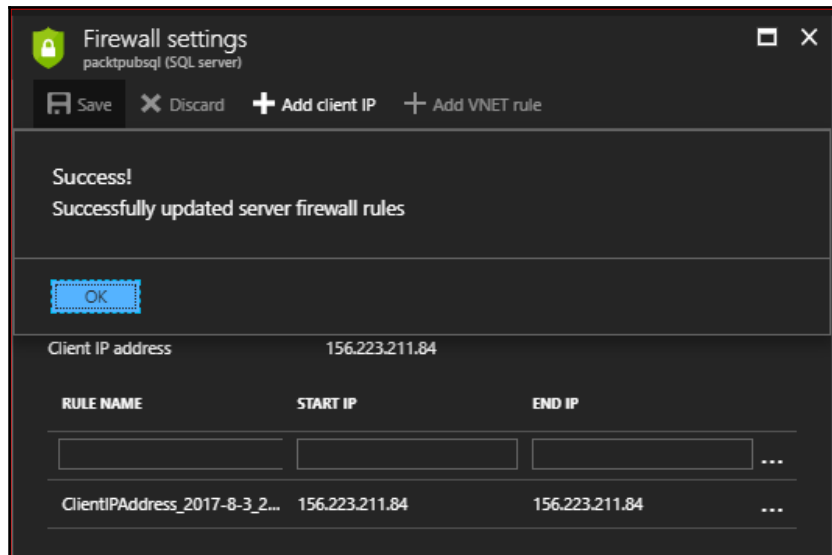
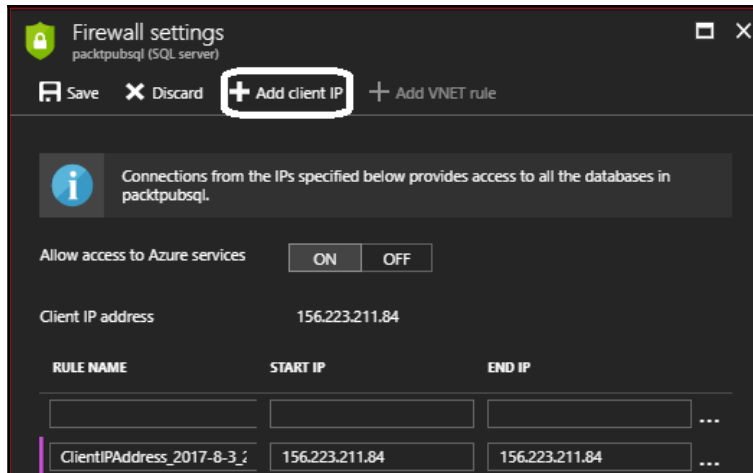
Connections from the IPs specified below provides access to all the databases in packtpubsql.

Allow access to Azure services ON OFF

Client IP address 156.223.211.84

RULE NAME	START IP	END IP

No firewall rules configured.



PacktPubDB
SQL database

Search (Ctrl+F)

Tools Copy Restore Export Set server firewall Delete

Essentials

Resource group (change)
PacktPub

Status
Online

Location
West Europe

Subscription (change)

Subscription ID

Server name
packtpubsql.database.windows.net

No elastic pool

Connection strings
Show database connection strings

Pricing tier
S1 Standard (20 DTUs)

Oldest restore point
2017-09-05 00:12 UTC

DTU

DTU CONSUMPTIO...

0

8:30 PM 8:45 PM 9 PM 9:15 PM

Database size

Overview

Activity log

Tags

Diagnose and solve problems

SETTINGS

Quick start

Pricing tier (scale DTUs)

Geo-Replication

Auditing & Threat Detection

Dynamic Data Masking

Transparent data encryption

Connection strings

Sync to other databases

Properties

Locks

Connect to Server

SQL Server

Server type: Database Engine

Server name: packtpubsql.database.windows.net

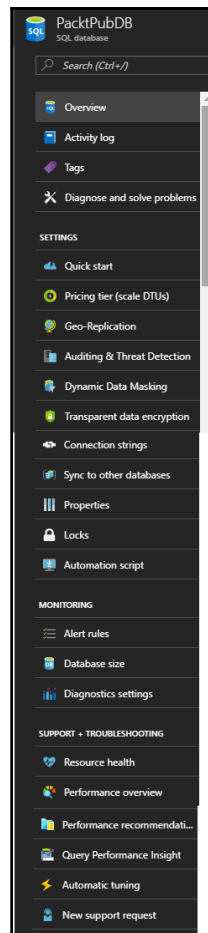
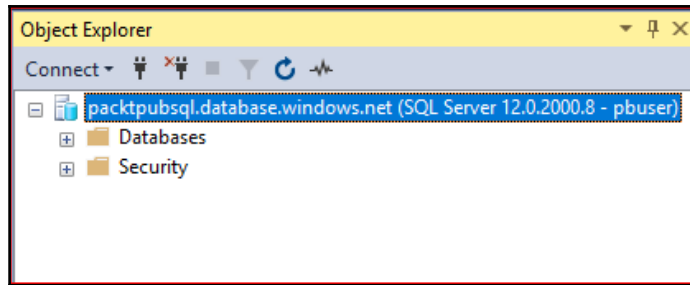
Authentication: SQL Server Authentication

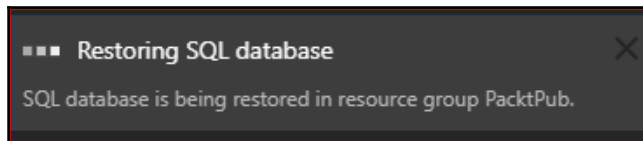
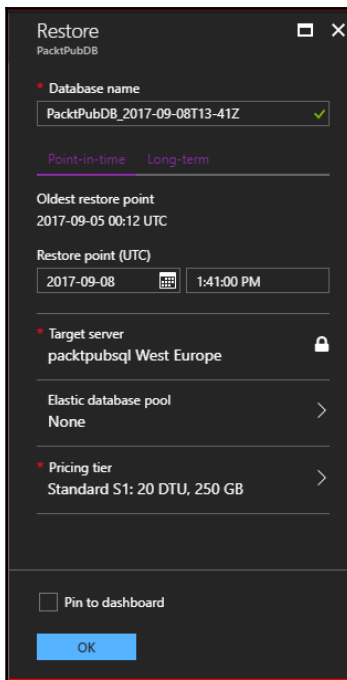
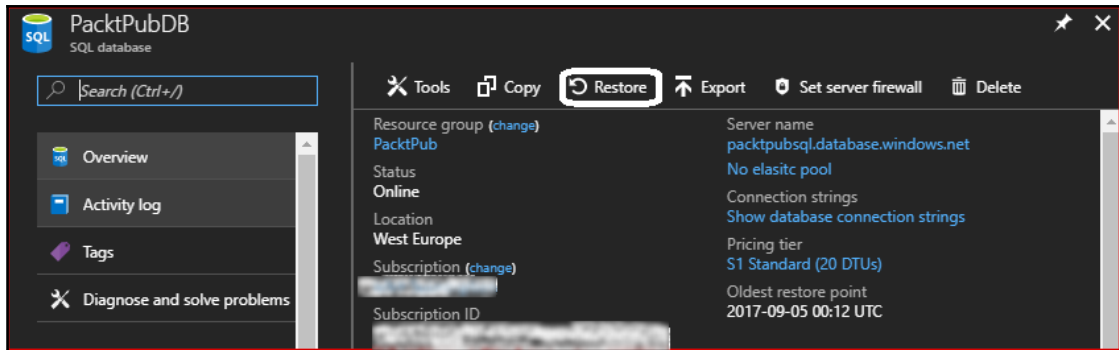
Login: pbuser

Password: [masked]

Remember password

Connect Cancel Help Options >>





packtpubsql - Deleted databases
SQL server

Search (Ctrl+/)

- Transparent data encryption
- Active Directory admin
- SQL databases
- SQL elastic pools
- Deleted databases

DATABASE	DELETION TIME (UTC)	CREATION TIME (UTC)	EDITION
PacktPubDB_2017-0...	2017-09-08 14:57	2017-09-08 13:51	Standard
PacktPubDB	2017-09-08 14:46	2017-09-05 00:00	Standard

Restore
PacktPubDB

Database name
PacktPubDB

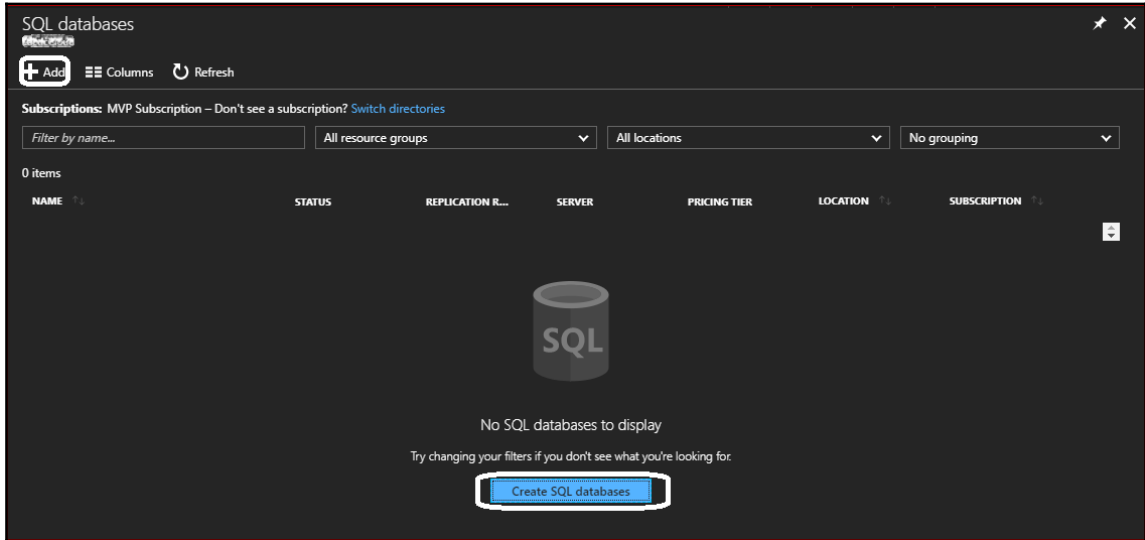
Target server
packtpubsql

Restore point (UTC)
2017-09-08 14:46 UTC

Pin to dashboard

OK

Chapter 5: Beyond Azure SQL Database Management



SQL Database

* Database name

* Subscription

* Resource group ⓘ
 Create new Use existing

* Select source ⓘ

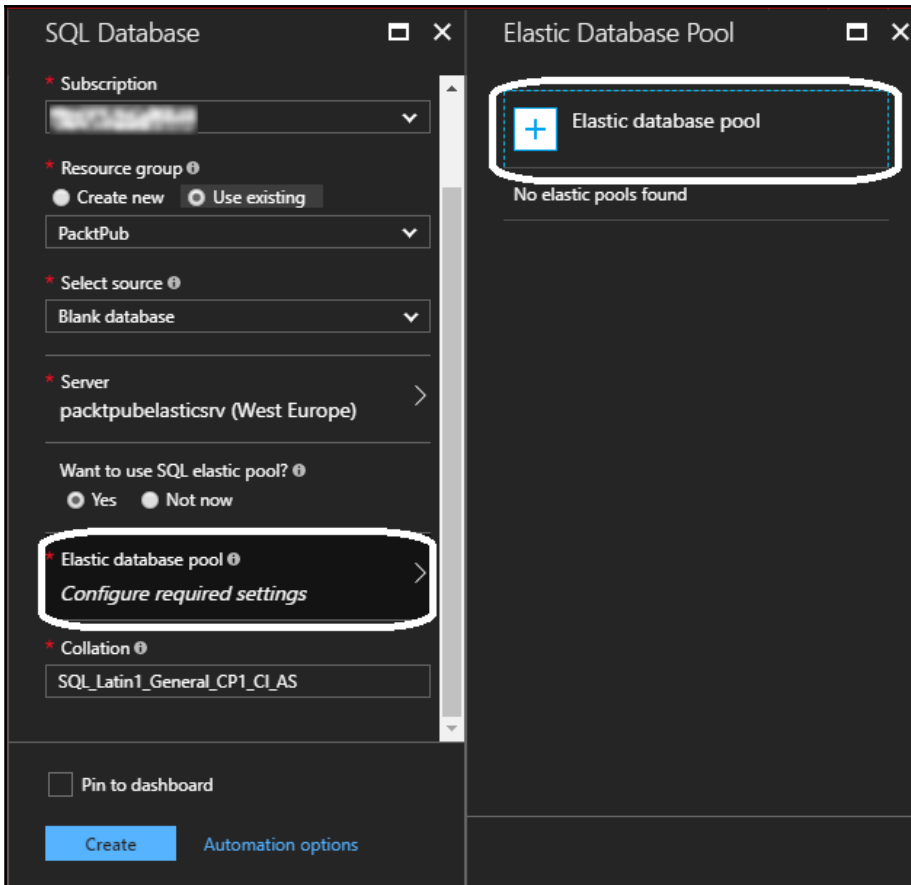
* Server
Configure required settings >

Want to use SQL elastic pool? ⓘ
 Yes Not now


* Pricing tier ⓘ
Configure required settings 🔒

Pin to dashboard

[Automation options](#)



Elastic database pool

 An elastic database pool provides elastic database transaction units (eDTUs), and storage (GBs) that are shared by multiple databases.

[Learn more](#)

* Name

Pricing tier
Standard Pool

Configure pool
100 eDTU, 100 GB pool, 0 databa...

Summary

Pool settings	100 eDTU, 100 GB
Number of Databases	0
Per database settings	0-100 eDTU

Cost
eDTU 2.2475 USD x 100 eDTU 224.75

Select

Choose your pricing

Each pricing tier offers a range of databases, eDTUs and storage. Make a selection after reviewing the pricing...

Elastic database pool allows multiple databases to share elastic database transaction units (eDTUs), and storage (GBs). [Learn more](#)

B Basic Pool	S Standard Pool	P Premium Pool
50 50 to 1600 eDTU/Pool	100 50 to 3000 eDTU/Pool	125 125 to 4000 eDTU/Pool
Up to 156.25 GB/Pool	Up to 4096 GB/Pool	Up to 4096 GB/Pool
Up to 500 DBs/Pool	Up to 500 DBs/Pool	Up to 100 DBs/Pool
Up to 5 eDTU/DB	Up to 3000 eDTU/DB	Up to 4000 eDTU/DB
Up to 2 GB/DB	Up to 1024 GB/DB	Up to 1024 GB/DB
Pay per Pool eDTU	Pay per Pool eDTU	Pay per Pool eDTU
1.50 USD PER EDTU/MONTH (ESTIMATE...)	2.25 USD PER EDTU/MONTH (ESTIMATE...)	5.58 USD PER EDTU/MONTH (ESTIMATE...)
PRS PremiumRS Pool		
125 125 to 1000 eDTU/Pool		
Up to 1024 GB/Pool		
Up to 100 DBs/Pool		

Select

Configure pool

Elastic database pool

Remove from pool Add databases Feedback

POOL EDTU **50** POOL GB **4.88**

Elastic database pool settings

Pool eDTU

Pool GB

EDTU COST	USD 75.02
STORAGE COST	--
TOTAL MONTHLY COST	USD 75.02
MAX NUMBER OF DATABASES ALLOWED	100

Per database settings

eDTU max

eDTU min

Select

SQL databases

+ Add Columns Refresh

Subscriptions: MVP Subscription – Don't see a subscription? [Switch directories](#)

Filter by name... All resource groups All locations No grouping

1 items

NAME	STATUS	REPLICATION R...	SERVER	PRICING TIER	LOCATION	SUBSCRIPTION
PacktPubED	Online	None	packtpubsvr	Elastic Basic	West Europe	

The screenshot displays the Azure portal interface for an SQL server. The left sidebar shows the 'Subscriptions' section with a filter and a list of items, including 'packtpubpsrv'. The central sidebar lists various server management options such as 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', and 'Diagnose and solve problems'. The main content area features a top navigation bar with options like 'New database', 'New pool', 'Import database', and 'Reset password'. Below this, the 'Server admin' section provides details for the 'PackTPub' resource group, including its status, location, and subscription information. The 'SQL databases' section contains a table with the following data:

DATABASE	STATUS	PRICING TIER
lk	Online	Standard: S0
lkTempDB	Online	Standard: S0
PackTPubED	Online	Elastic Basic
test	Online	Standard: S0
ReportServer1	Online	Standard: S0
ReportServer22	Online	Standard: S0

SQL database ☐ ✕

* Database name
AdditionalDatabase ✓

* Select source ⓘ
Blank database ▼

Server
packtpubpsrv (westeurope) 🔒

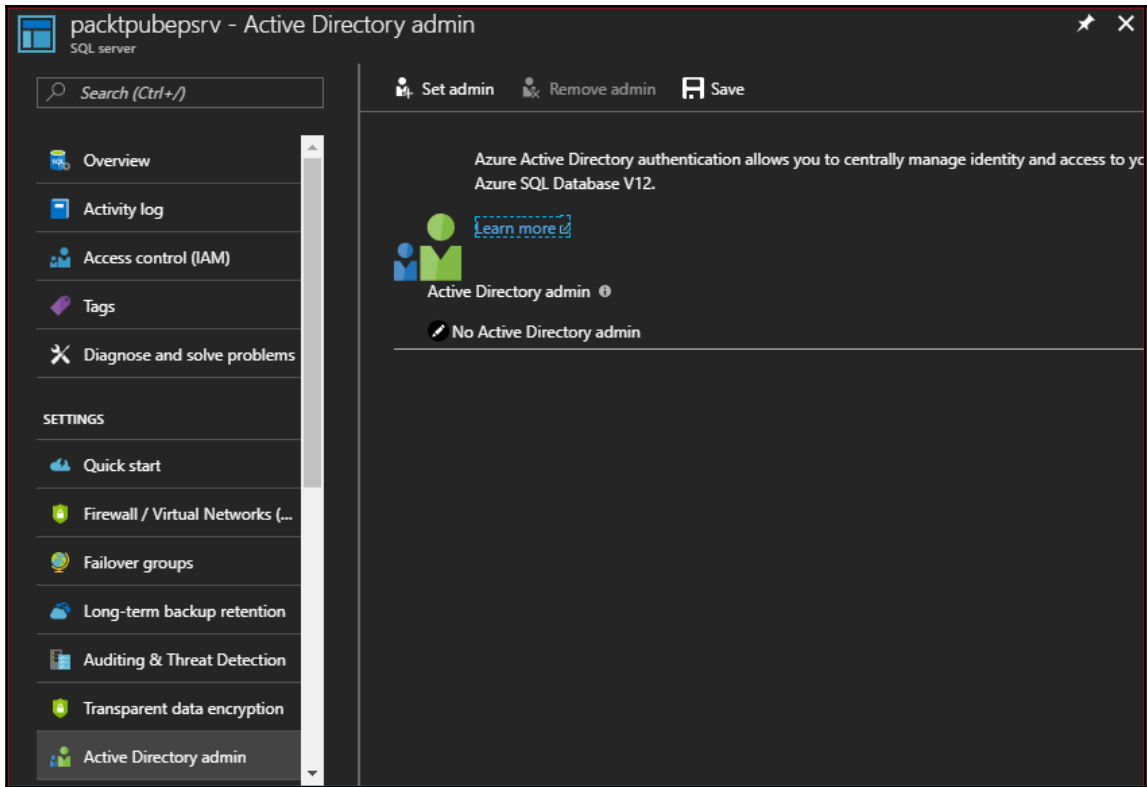
Want to use SQL elastic pool? ⓘ
 Yes Not now

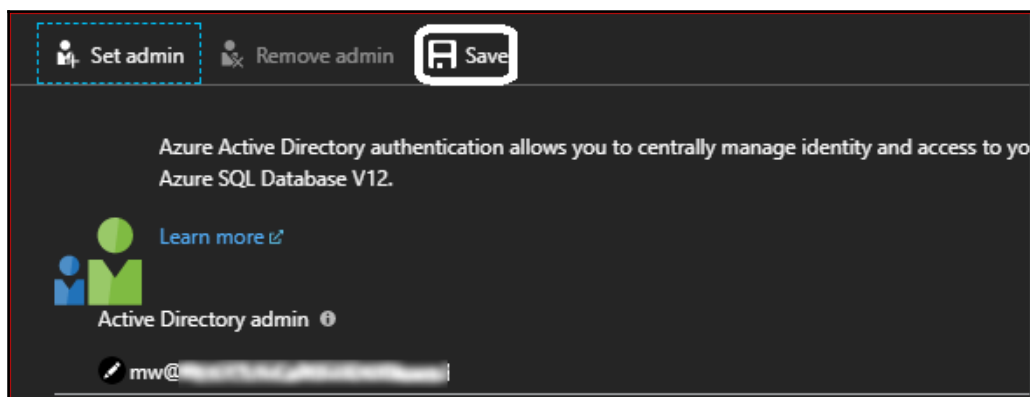
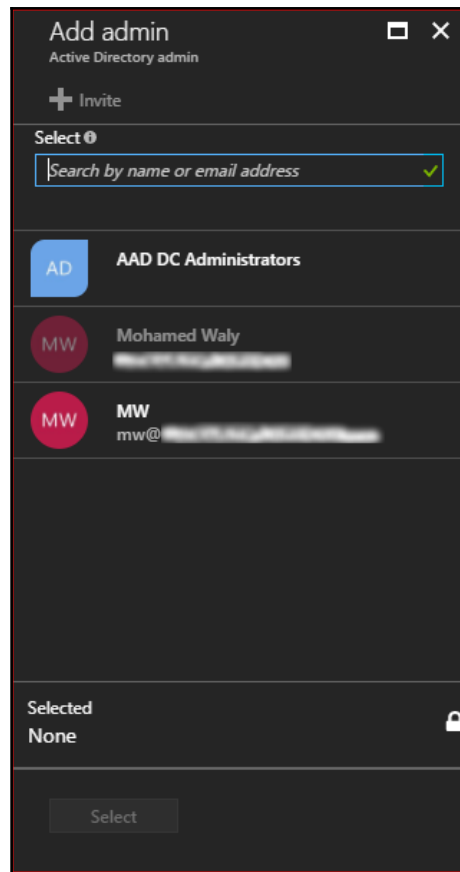
* Elastic database pool ⓘ
PacktPubEDP (Basic) >

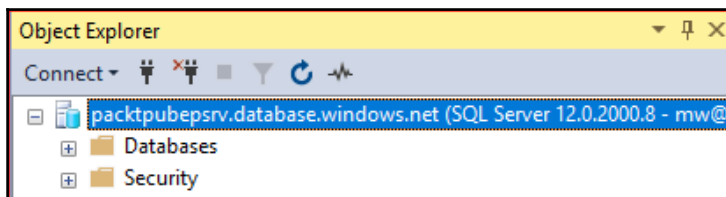
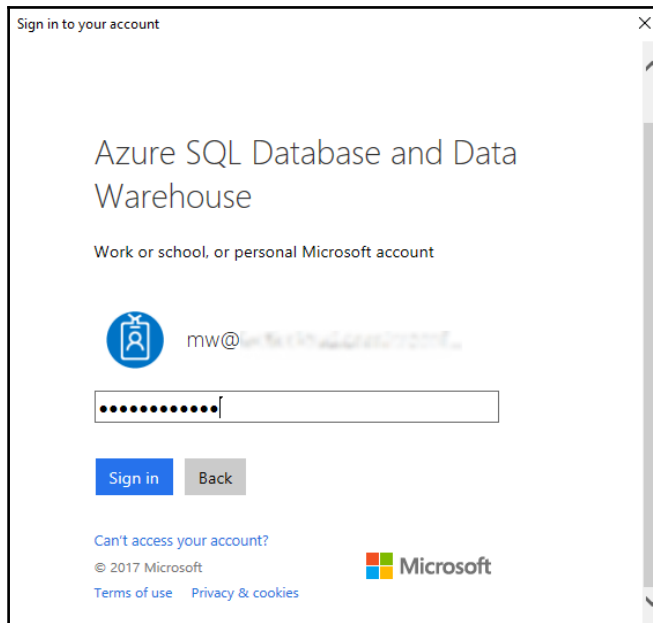
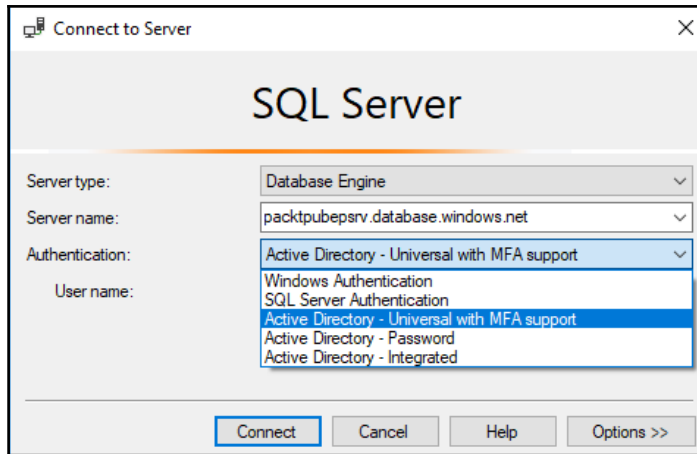
* Collation ⓘ
SQL_Latin1_General_CP1_CI_AS ✓

Pin to dashboard

OK







AdditionalDatabase - Geo-Replication
SQL database

Search (Ctrl+/)

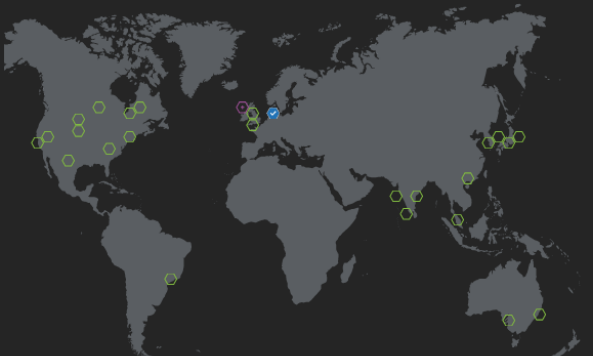
- Overview
- Activity log
- Tags
- Diagnose and solve problems

SETTINGS

- Quick start
- Pricing tier (scale DTUs)
- Geo-Replication**
- Auditing & Threat Detection
- Dynamic Data Masking
- Transparent data encryption
- Connection strings
- Sync to other databases

Select a region on the map or from the Target Regions list to create a secondary database.

i You can now automatically manage replication, connectivity and failover of this database by adding it to failover group.



SERVER/DATABASE FAILOVER POLICY STATUS

Create secondary

Create geo-replicated secondaries to protect against prolonged datacenter outages. Secondaries have price implications. [Learn more](#)

Region
UK West

Database name
AdditionalDatabase

* Secondary type
Readable

* Target server
Configure required settings

Elastic database pool
None

* Pricing tier
Configure required settings

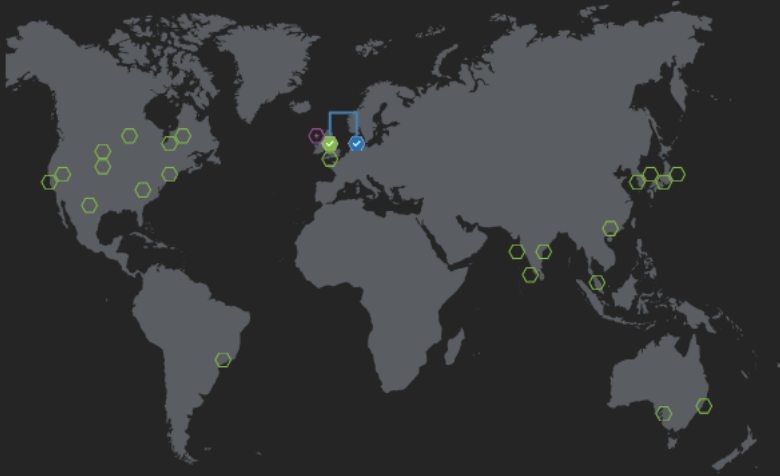
Pin to dashboard

OK

Select a region on the map or from the Target Regions list to create a secondary database.



You can now automatically manage replication, connectivity and failover of this database by adding it to failover group.



SERVER/DATABASE

FAILOVER POLICY

STATUS

Failover group

Create a failover group to automatically failover databases in it.

Primary server
packtpubepsrv (westeurope)

* Secondary server
Configure required settings

* Failover group name
Enter failover group name...

Read/Write failover policy
Automatic

Read/Write grace period (hours)
1 hours

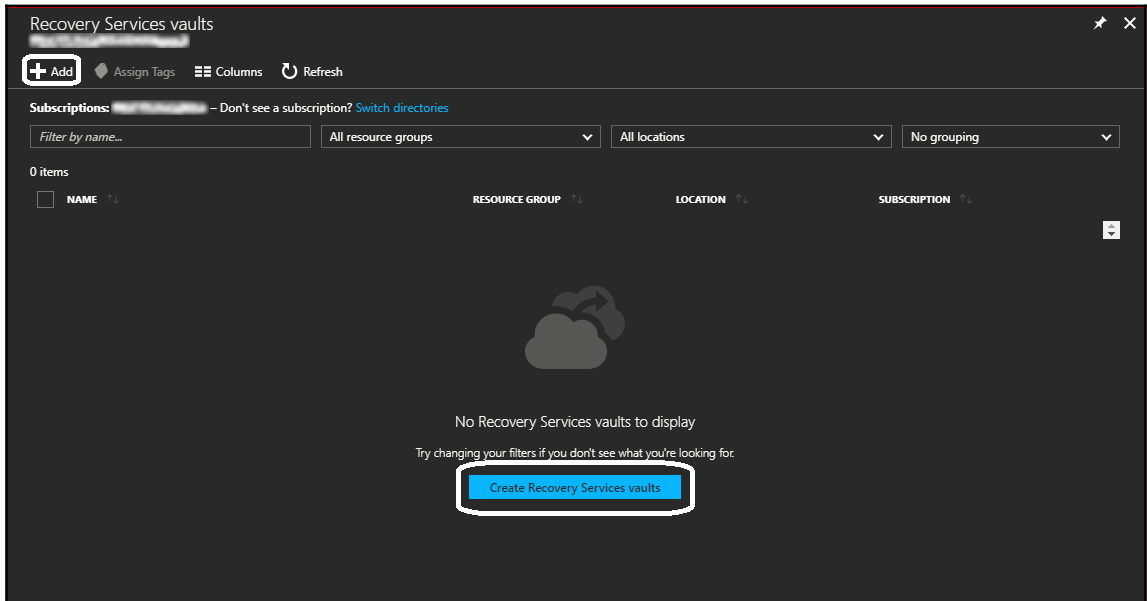
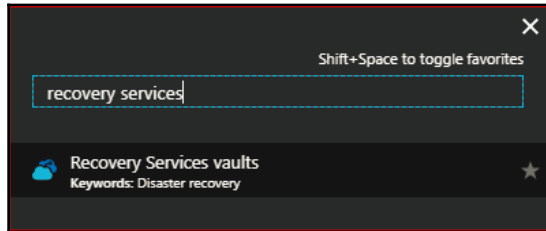
Summary

Number of new standalone databases	0
Number of new elastic pools	0

Monthly cost Loading pricing...

Create

Chapter 6: Azure Backup



Recovery Services vault

Recovery Services vault

* Name
PacktPubRSV ✓

* Subscription
PacktPub

* Resource group
 Create new Use existing
PacktPub

* Location
West Europe

Pin to dashboard

[Create](#) [Automation options](#)

PacktPubRSV
 Recovery Services vault

Search (Ctrl+/)

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

SETTINGS

- Properties
- Locks
- Automation script

GETTING STARTED

- Backup
- Site Recovery

MONITORING AND REPORTS

+ Backup + Replicate Delete

We are listening. Tell us about your experience with Azure Backup and / or Azure Site Recovery and help us improve our product. Take the survey now!

Essentials ^

Resource group (change)	Backup items
PacktPub	0
Status	Backup management servers
Active	0
Location	Replicated items
West Europe	0
Subscription name (change)	
Subscription ID	

Monitoring

Backup Alerts (last 24...)		Backup Pre-Check Status (Azure VMs)		
Critical	0	 0 TOTAL	CRITICAL	0
Warning	0		WARNING	0
Site Recovery Health				

✦ ✕

+ Backup
 + Replicate
 🗑 Delete

i We are listening. Tell us about your experience with Azure Backup and / or Azure Site Recovery and help us improve our product. Take the survey now! ➔

Essentials ^

Resource group (change)	Backup items
PacktPub	0
Status	Backup management servers
Active	0
Location	Replicated items
West Europe	0
Subscription name (change)	
	
Subscription ID	
	

Monitoring

<p>Backup Alerts (last 24...)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Critical</td> <td style="width: 50%; text-align: right;">0</td> </tr> <tr> <td>Warning</td> <td style="text-align: right;">0</td> </tr> </table>	Critical	0	Warning	0	<p>Backup Pre-Check Status (Azure VMs)</p> <div style="text-align: center;"> <p>0 TOTAL</p> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p style="color: red; font-weight: bold;">CRITICAL</p> <p style="font-size: 2em; font-weight: bold;">0</p> </div> <div style="text-align: center;"> <p style="color: orange; font-weight: bold;">WARNING</p> <p style="font-size: 2em; font-weight: bold;">0</p> </div> </div>
Critical	0				
Warning	0				

Site Recovery Health

Navigation Menu:

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- SETTINGS**
- Properties
- Locks
- Automation script
- GETTING STARTED**
- Backup
- Site Recovery
- MONITORING AND REPORTS**

Backup Goal ✕

Where is your workload running?

What do you want to backup?

Step: Configure Backup

Backup

Backup Goal

Where is your workload running?
On-Premises

What do you want to backup?
0 selected

- Files and folders
- Hyper-V Virtual Machines
- VMware Virtual Machines
- Microsoft SQL Server
- Microsoft SharePoint
- Microsoft Exchange
- System State
- Bare Metal Recovery

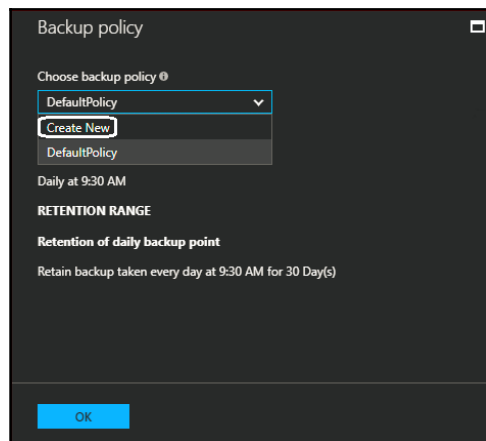
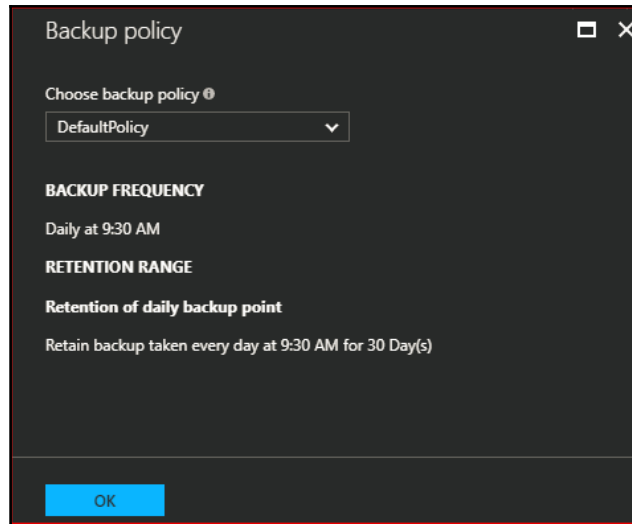
Backup Goal

Where is your workload running?
Azure

What do you want to backup?
Virtual machine

Step: Configure Backup

Backup



Backup policy

Choose backup policy

Create New

* Policy name

pp-BP

Backup frequency

Weekly Saturday 11:30 PM (UTC+02:00) Cairo

Retention range

Retention of daily backup point.

Not Configured

Retention of weekly backup point.

* On * At For Week(s)

Saturday 11:30 PM 2

Backup policy

Not Configured

Retention of weekly backup point.

* On * At For Week(s)

Saturday 11:30 PM 2

Retention of monthly backup point.

Week Based Day Based

* On * Day * At For Month(s)

First Saturday 11:30 PM 60

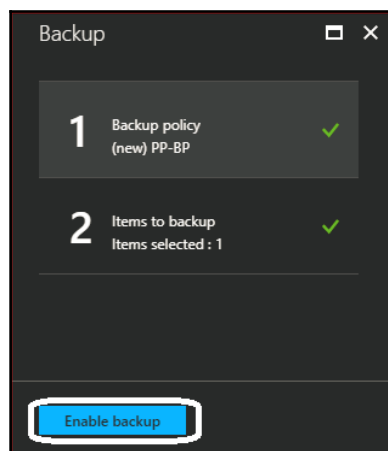
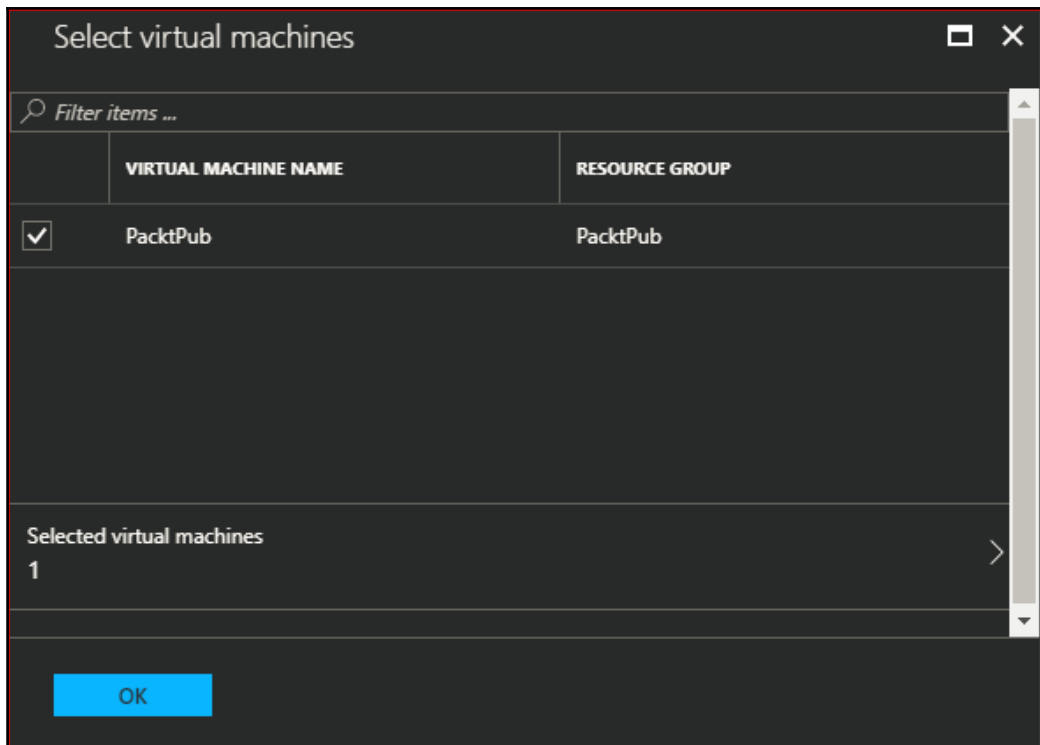
Retention of yearly backup point.

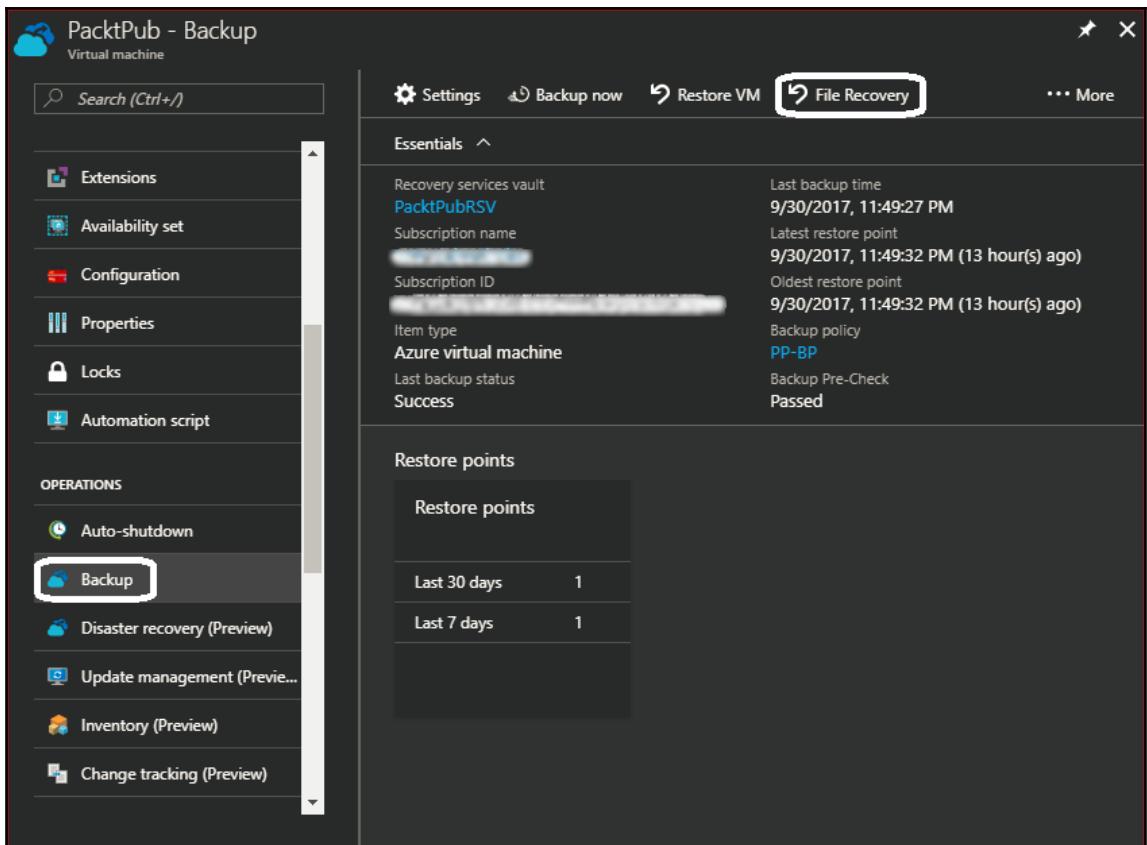
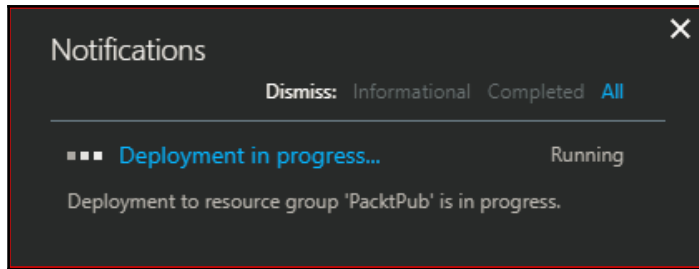
Week Based Day Based

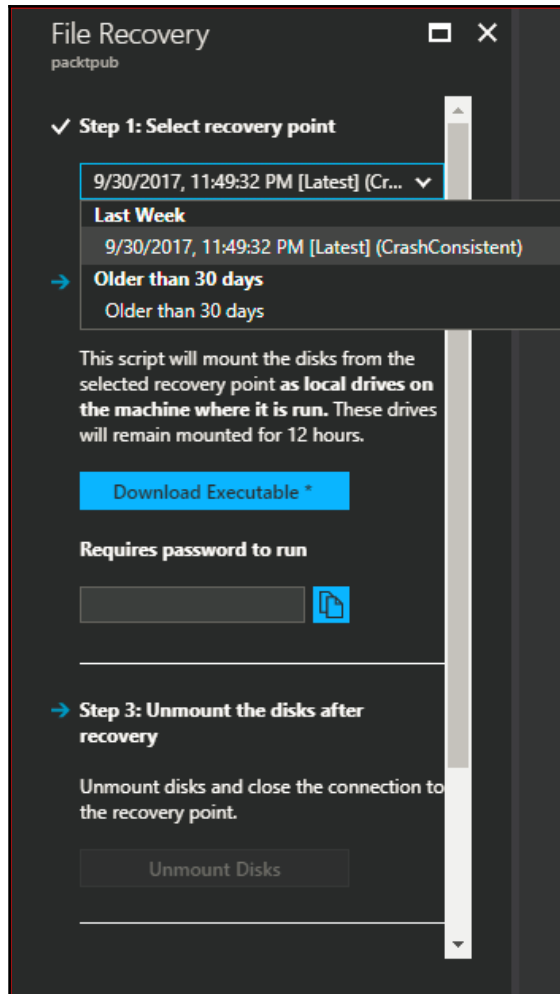
* In * On * Day * At For Year(s)

January First Saturday 11:30 PM 10

OK








✓ **Step 2: Download script to browse and recover files**

This script will mount the disks from the selected recovery point as **local drives on the machine where it is run**. These drives will remain mounted for 12 hours.

Download Executable *

✓ Download completed.

Password to run the script

1f00dfad7a914ce 

```
Administrator: \\host-f1c5\W\ILRPowershellScript.ps1(Elevated)
Microsoft Azure VM Backup - File Recovery
Please enter the 15 character password, shown on the portal, to securely connect to the recovery point: 1f00dfad7a914ce
```

```
Connecting to recovery point using iSCSI service...
Connection succeeded!
Please wait while we attach volumes of the recovery point.
1 recovery volumes attached
E:\Local Disk
***** Open Explorer to browse for files *****
After recovery, to remove the disks and close the connection to the recovery point, please click 'Unmount Disks' in step 3 of the portal.
Press 'Q/q' key to exit ...
```


→ **Step 3: Unmount the disks after recovery**

Unmount disks and close the connection to the recovery point.

Unmount Disks

- * Run this script on the machine where you want to copy the files
- * To restore files larger than 10GB, [restore entire VM](#) to an alternate location or [restore disks using PowerShell](#)
- * Data transfer rate: up to 1GB/Hr

If you have trouble finding your files, [click here](#)

PacketPub - Backup
Virtual machine

Search (Ctrl+/)

Extensions
Availability set
Configuration
Properties
Locks
Automation script

OPERATIONS

Auto-shutdown
Backup
Disaster recovery (Preview)
Update management (Previe...
Inventory (Preview)
Change tracking (Preview)

Settings Backup now **Restore VM** File Recovery More

Essentials ^

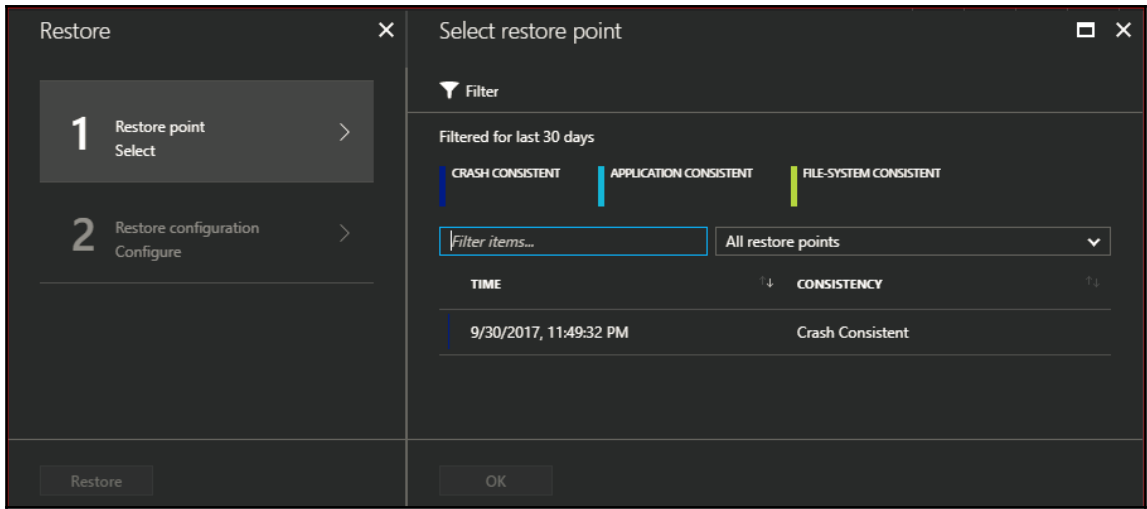
Recovery services vault
PacketPubRSV
Subscription name
[REDACTED]
Subscription ID
[REDACTED]
Item type
Azure virtual machine
Last backup status
Success

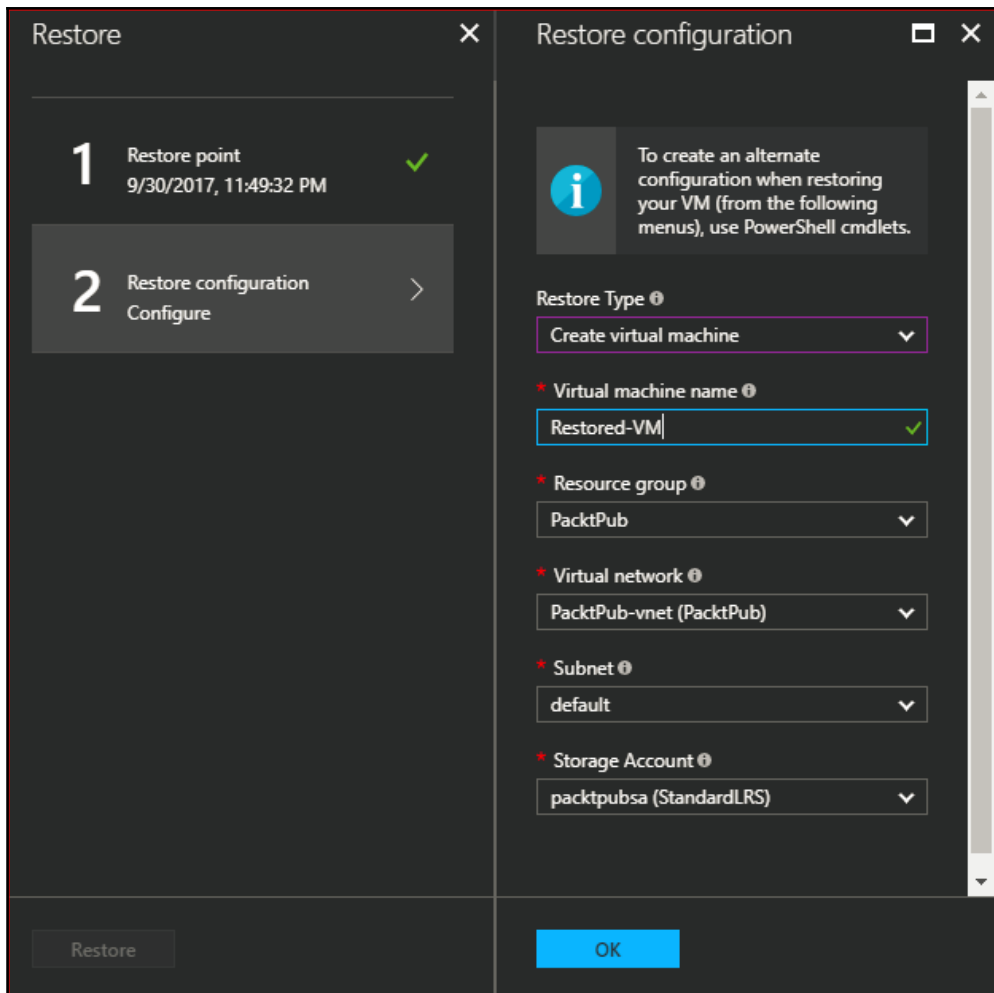
Last backup time
9/30/2017, 11:49:27 PM
Latest restore point
9/30/2017, 11:49:32 PM (13 hour(s) ago)
Oldest restore point
9/30/2017, 11:49:32 PM (13 hour(s) ago)
Backup policy
PP-BP
Backup Pre-Check
Passed

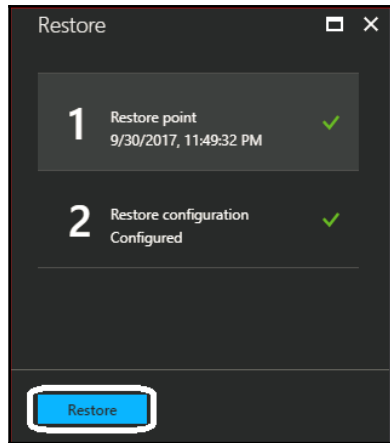
Restore points

Restore points

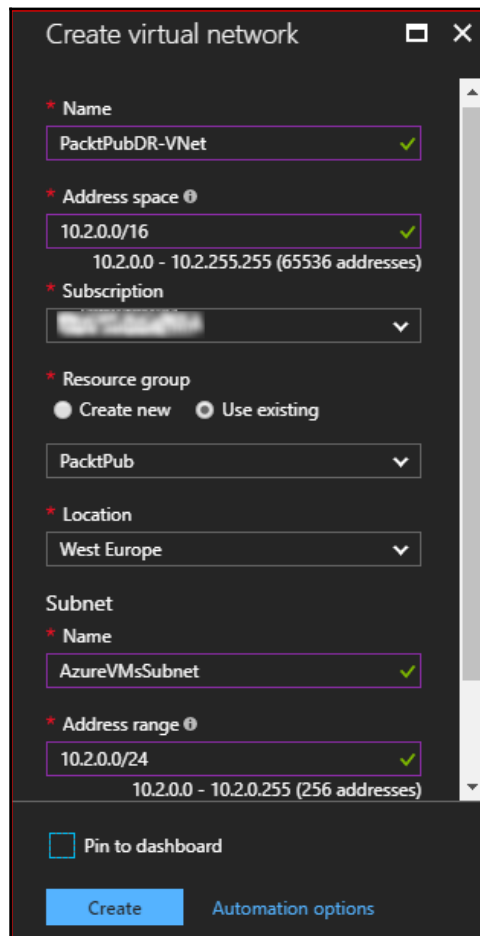
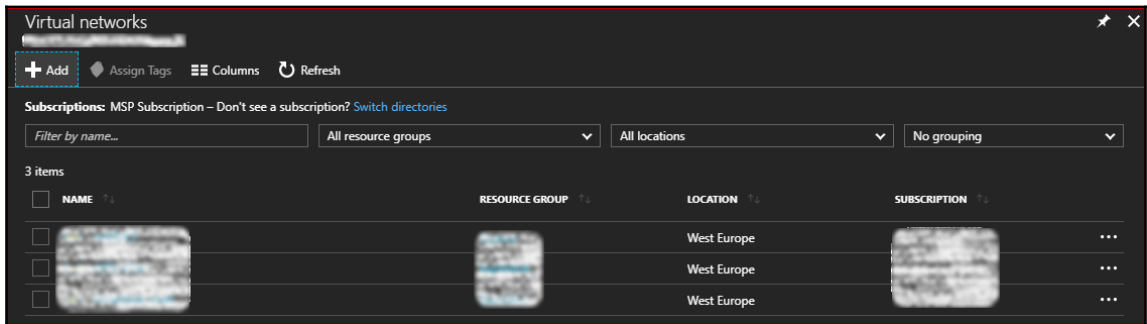
Last 30 days	1
Last 7 days	1

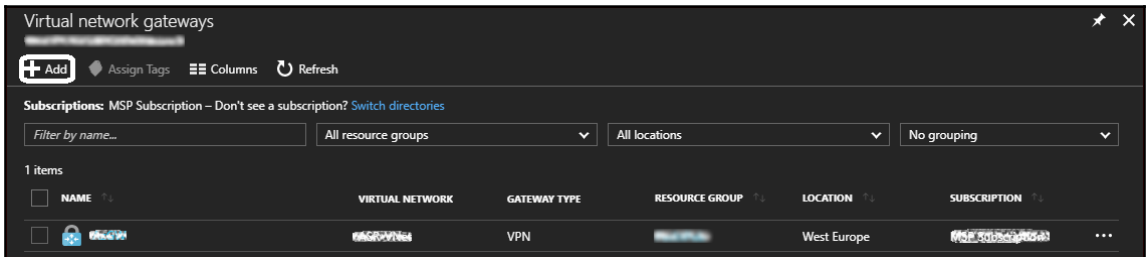
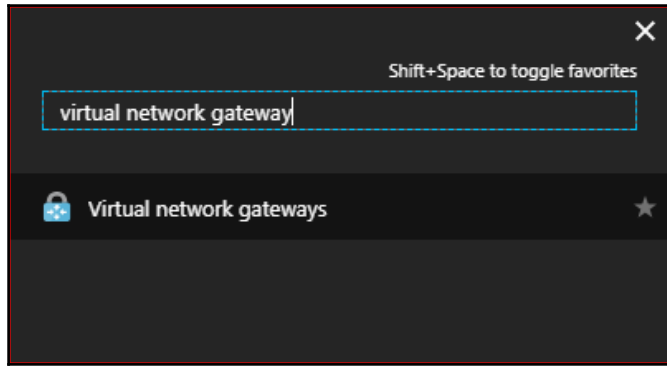
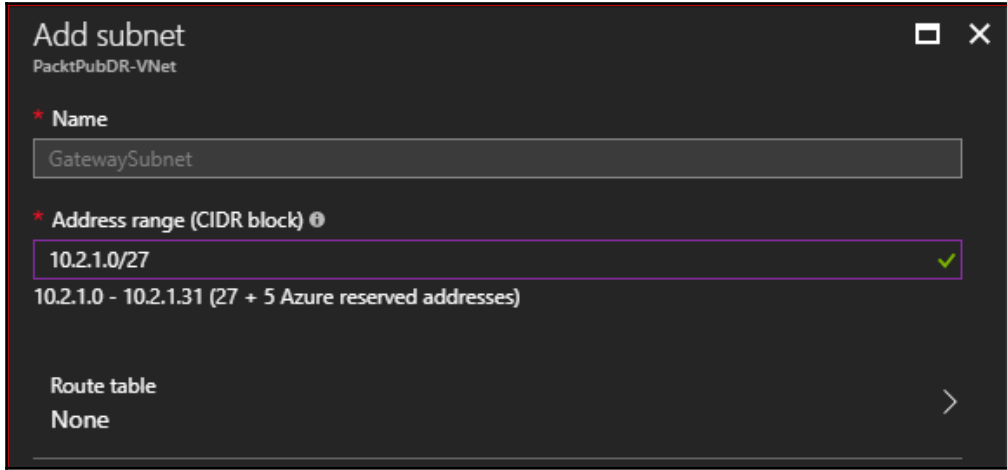
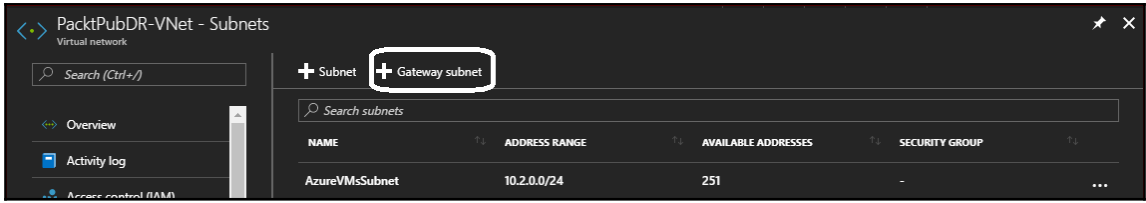


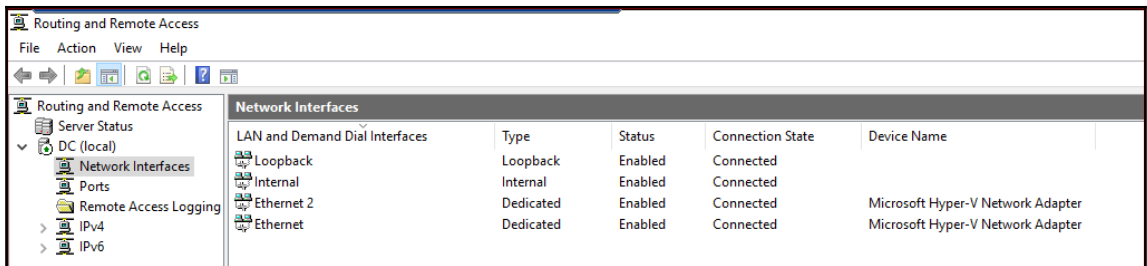
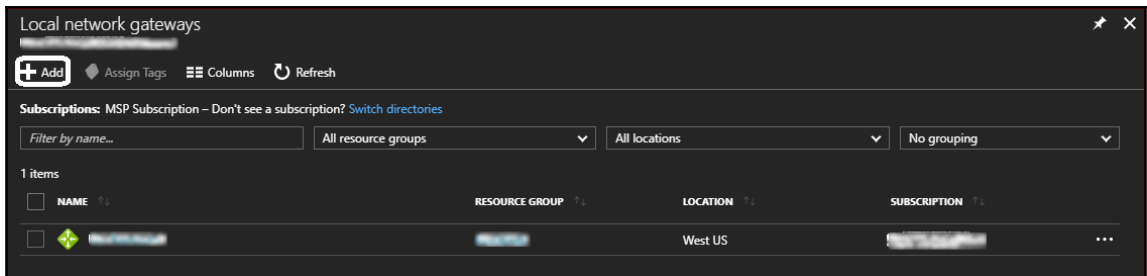
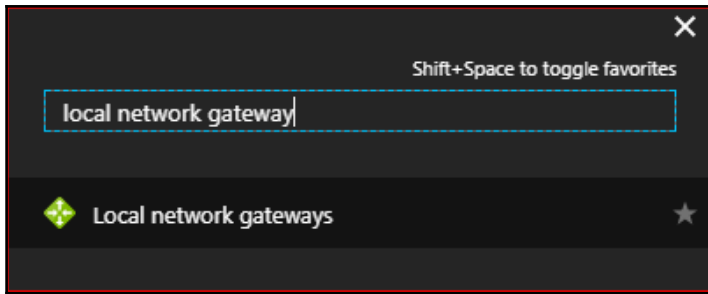


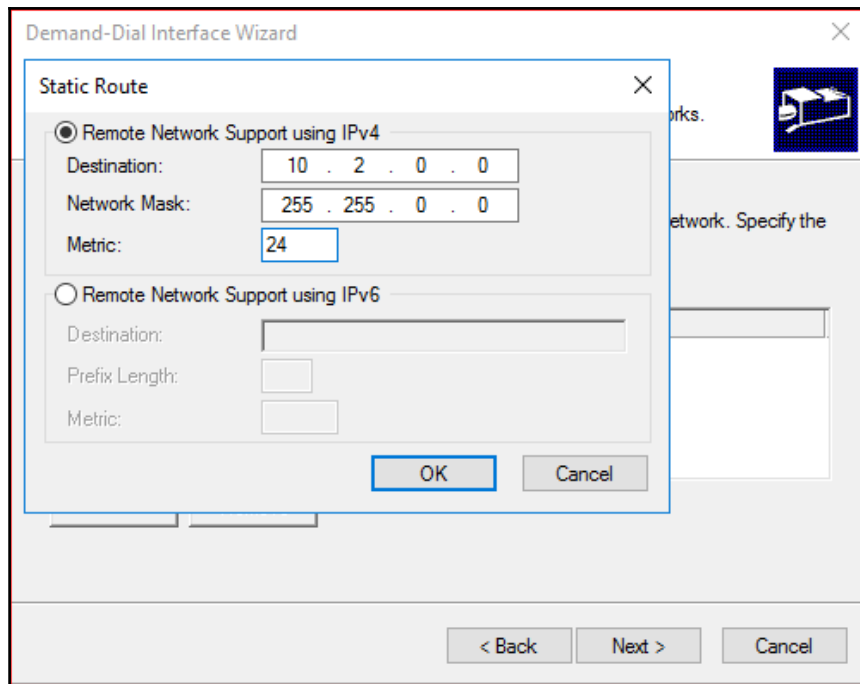


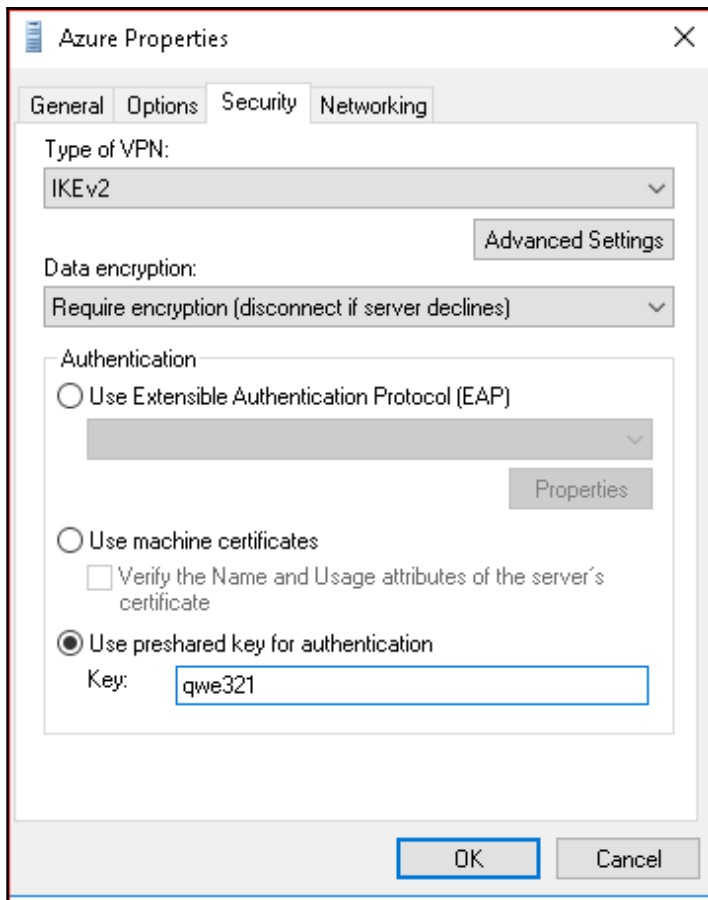
Chapter 7: Azure Site Recovery

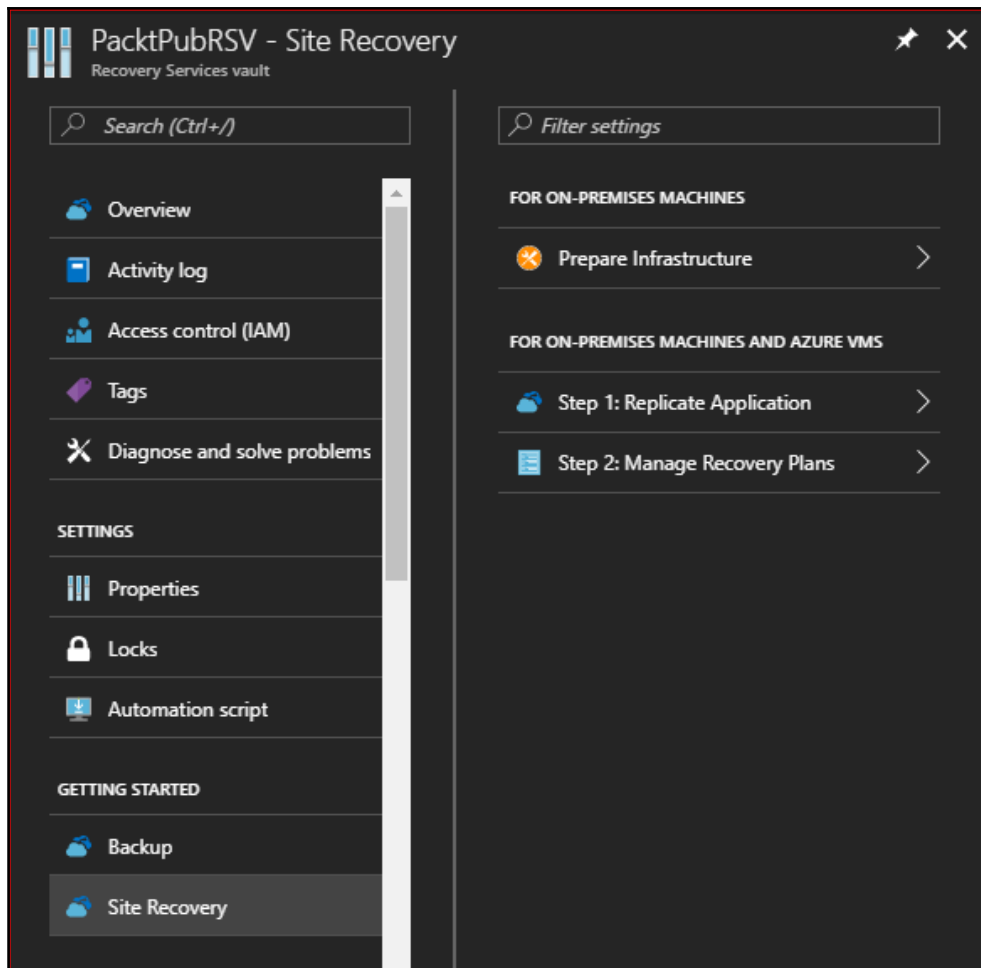












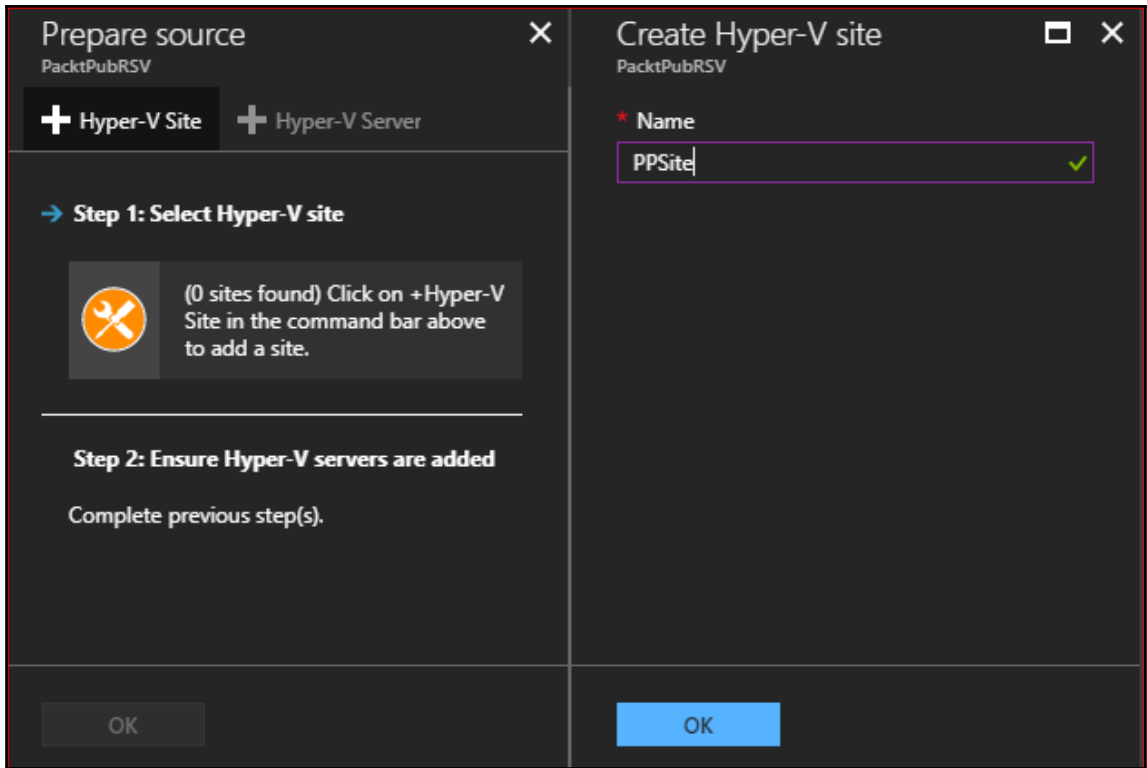
Protection goal ☐ ✕
PacktPubRSV

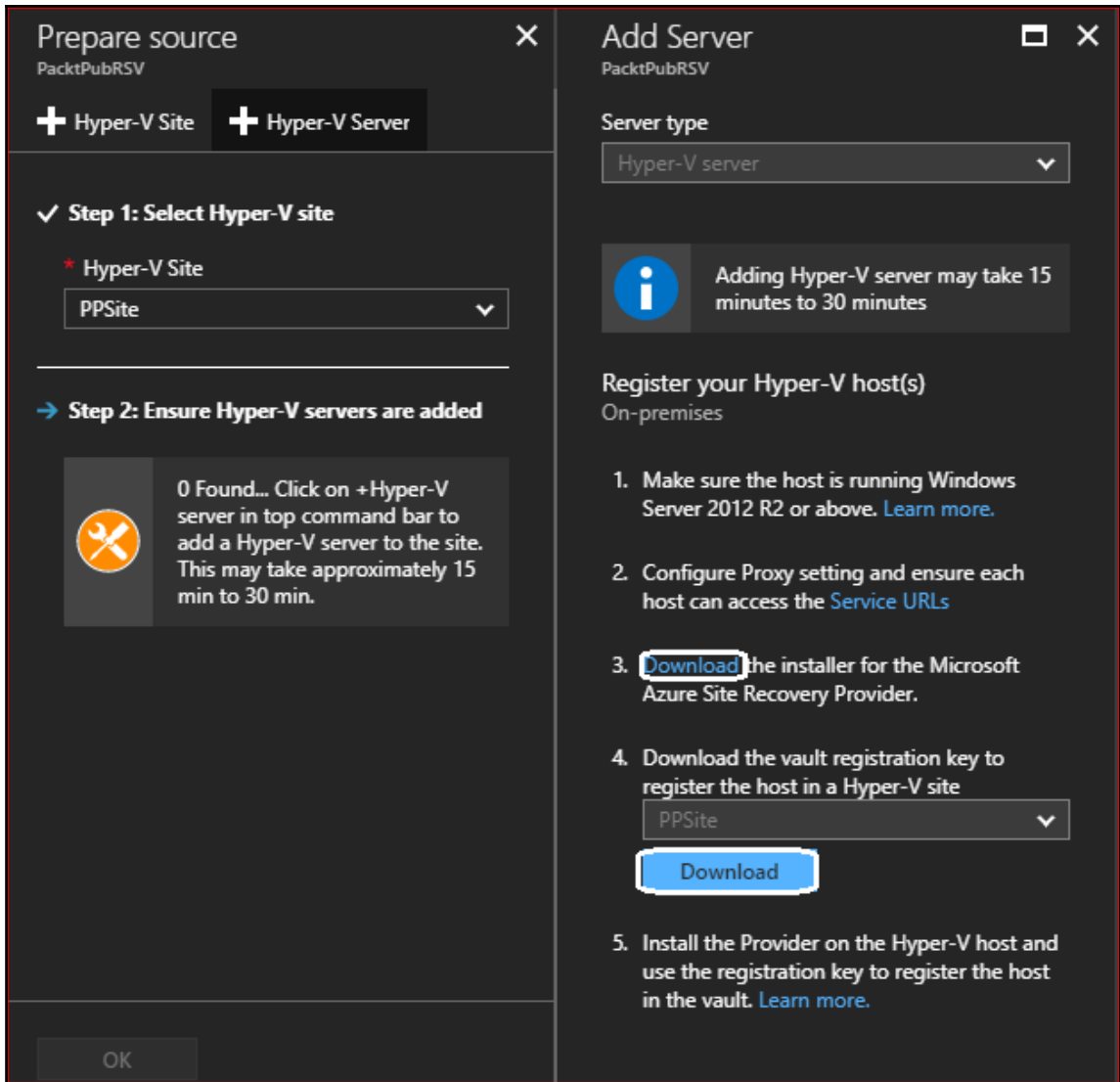
* Where are your machines located?

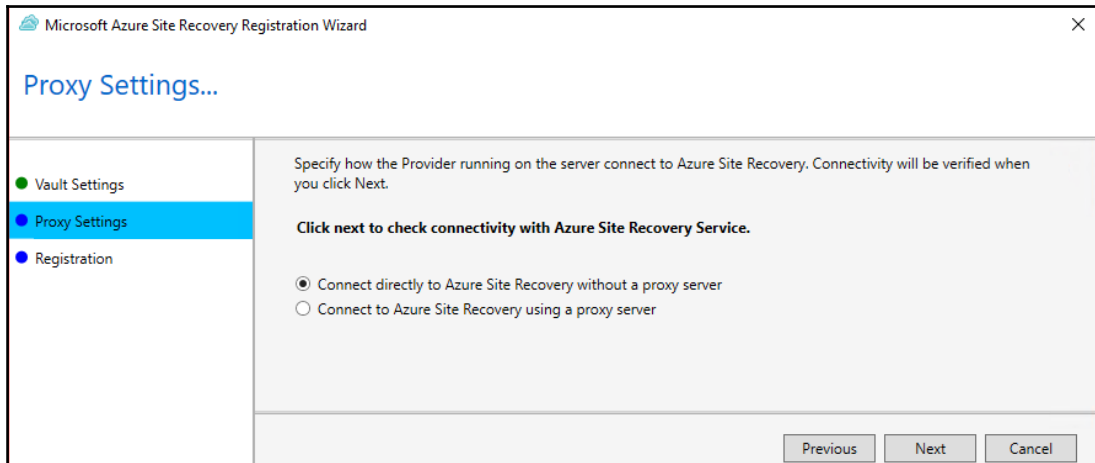
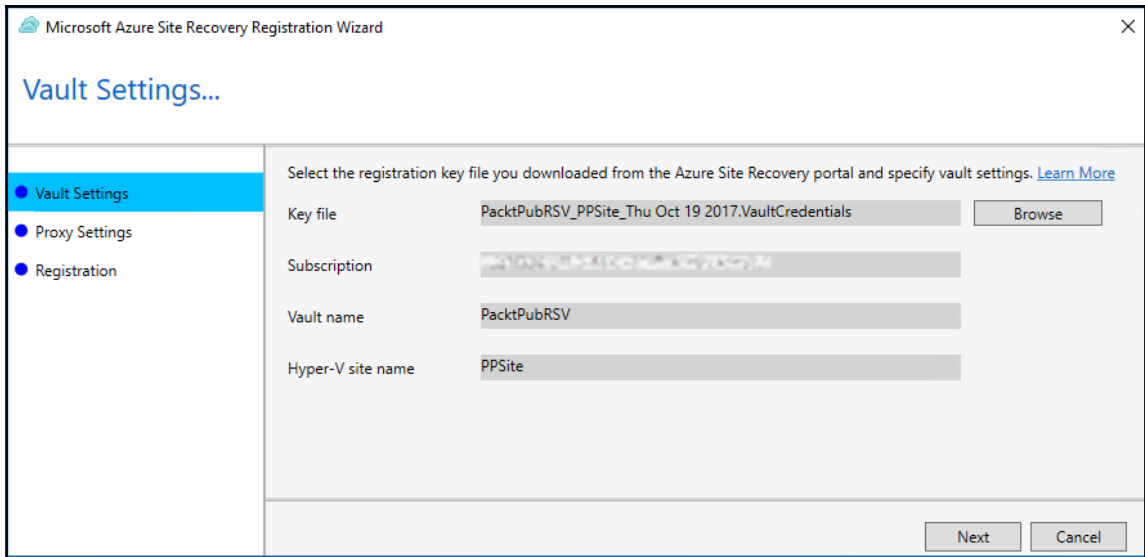
* Where do you want to replicate your machines to?

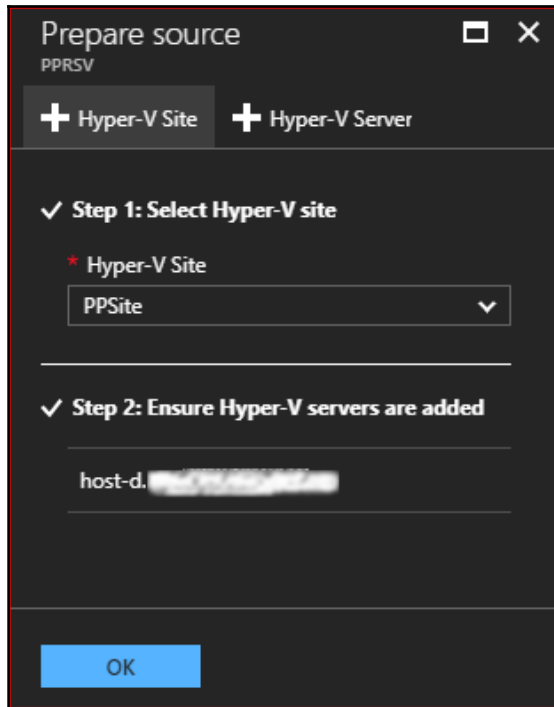
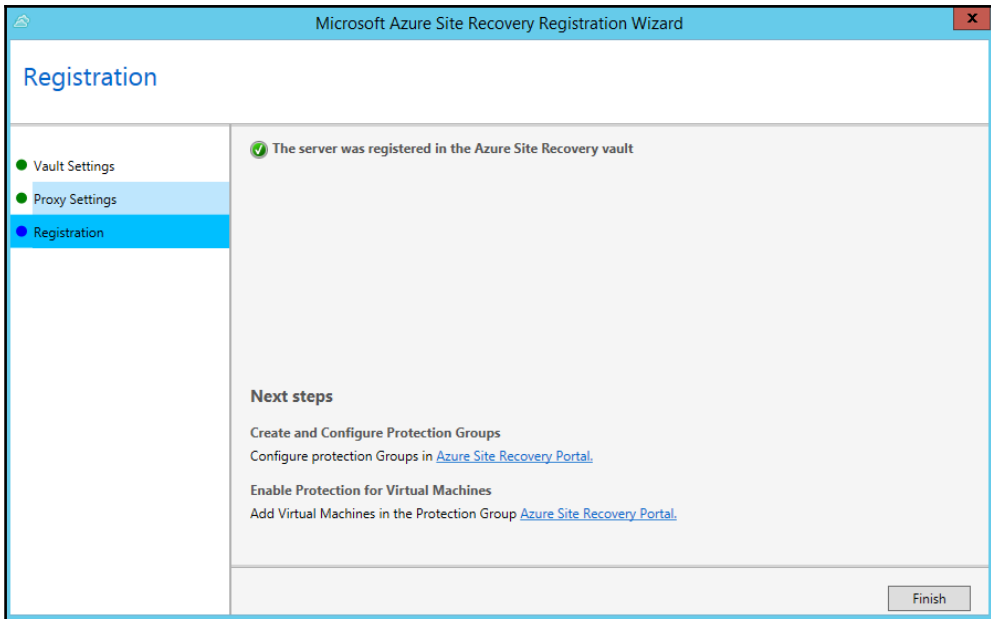
* Are your machines virtualized?

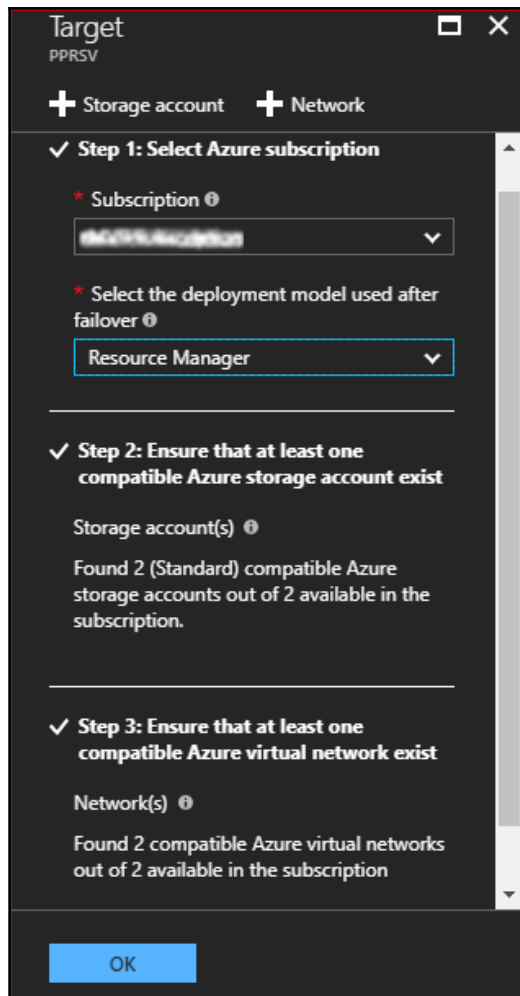
* Are you using System Center VMM to manage your Hyper-V hosts?

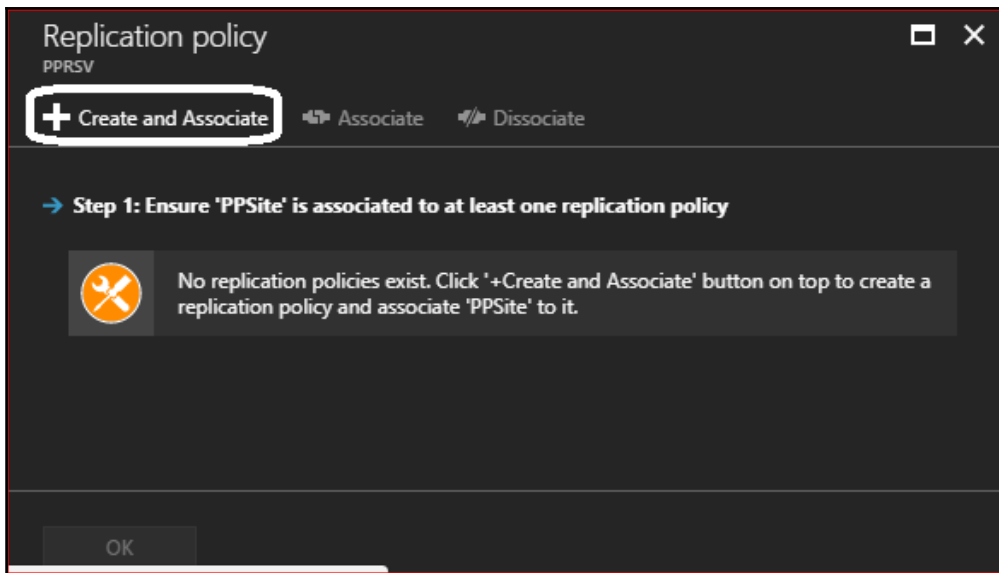












Create and associate policy ☐ ✕
PPRSV

* Name ⓘ
PP-RP ✓

Source type ⓘ
Hyper-V ▾

Target type ⓘ
Azure ▾

Copy frequency ⓘ
5 Minutes ▾

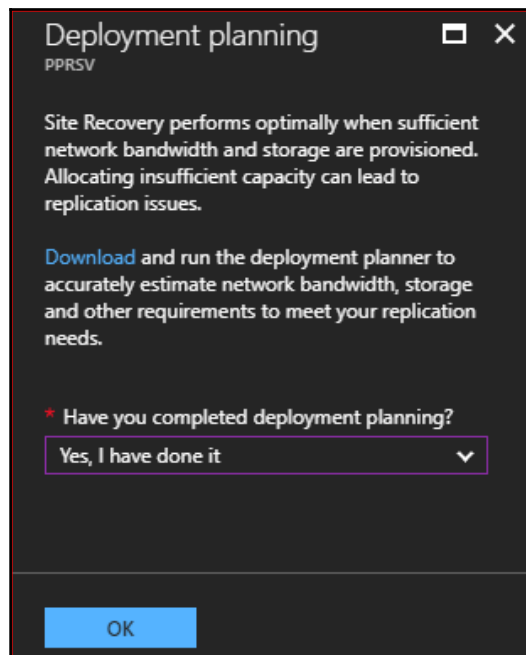
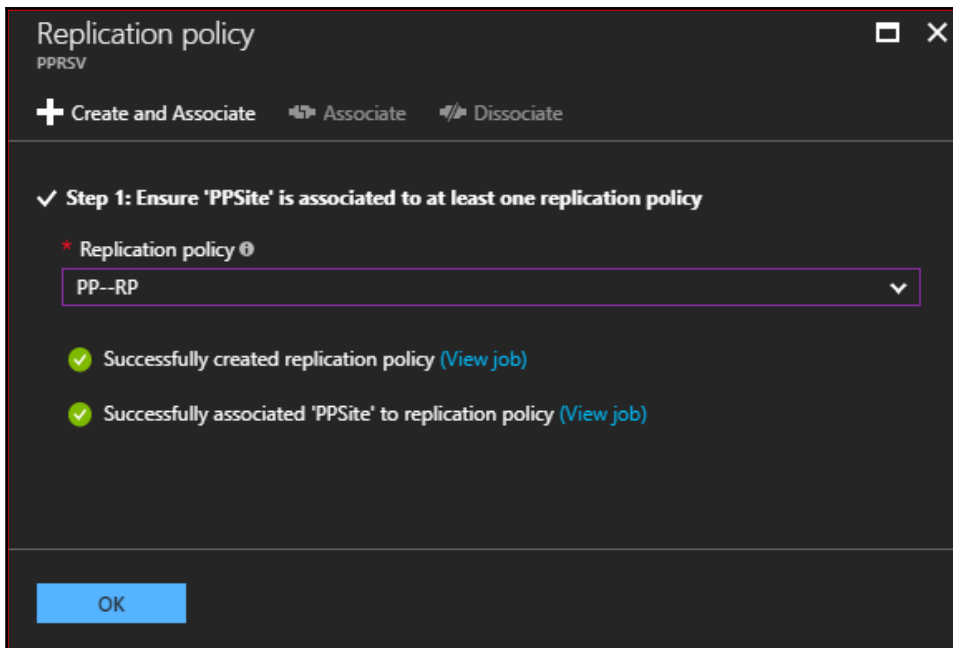
* Recovery point retention in hours ⓘ
2

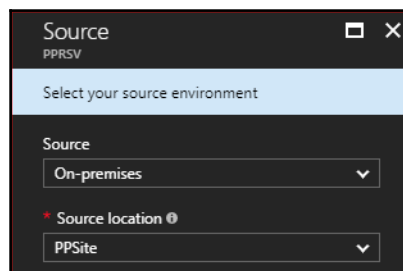
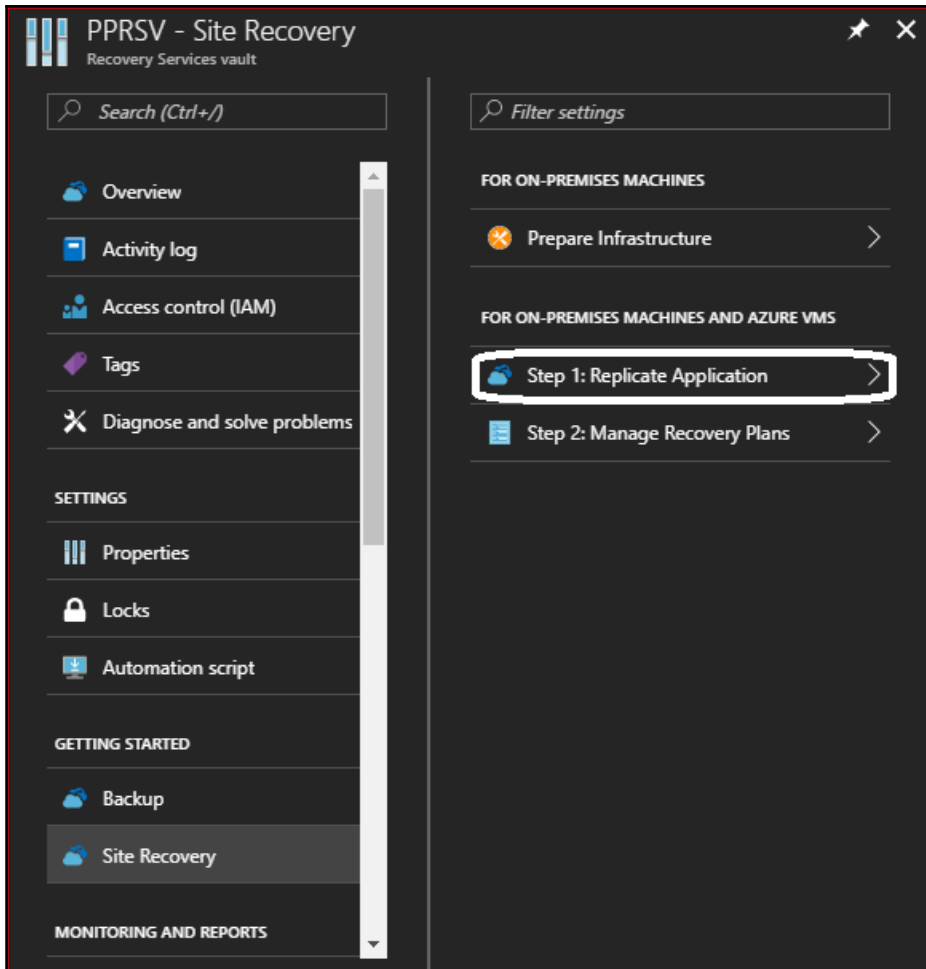
* App-consistent snapshot frequency in hours ⓘ
1

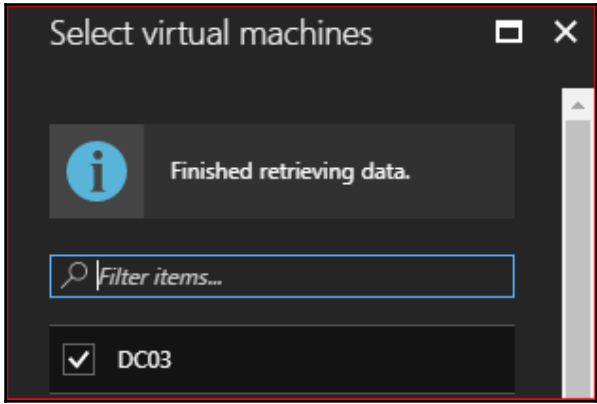
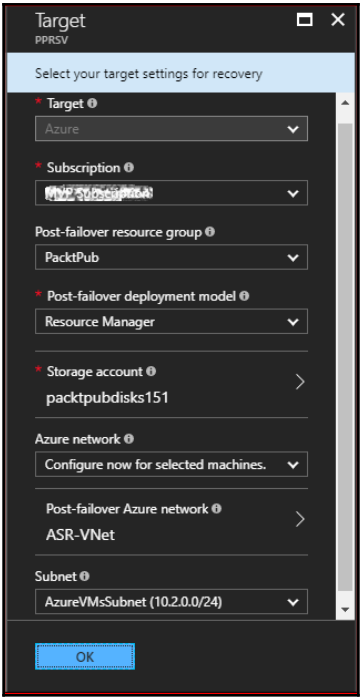
Initial replication start time ⓘ
Immediately ▾

Associated Hyper-V site ⓘ
PPSite

OK







Configure properties

NAME	OS TYPE	OS DISK	DISKS TO REPLICATE
Defaults	Select	Need to select per VM.	Need to select per VM. ...
DC03	Windows	DC03	DC03 [127.00 GB] ...

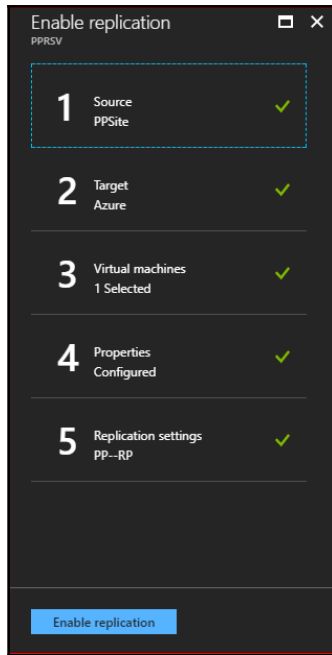
Configure replication settings □ ×

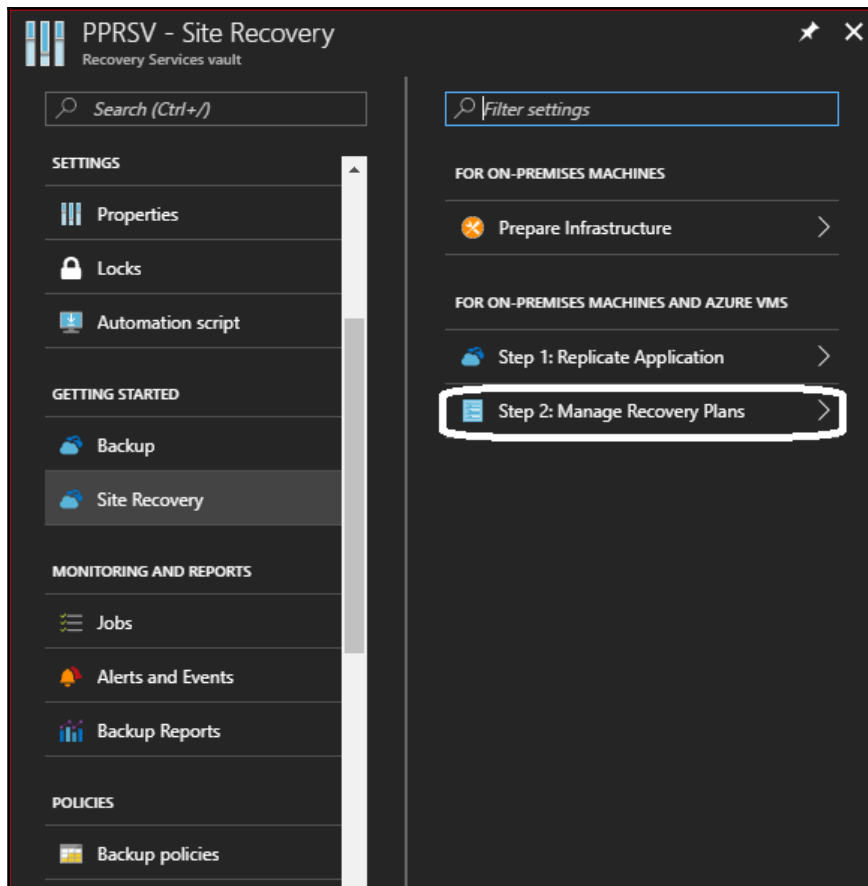
Replication policy

PP--RP ▼

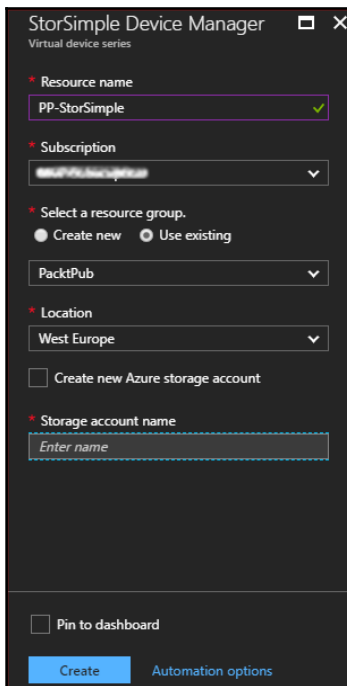
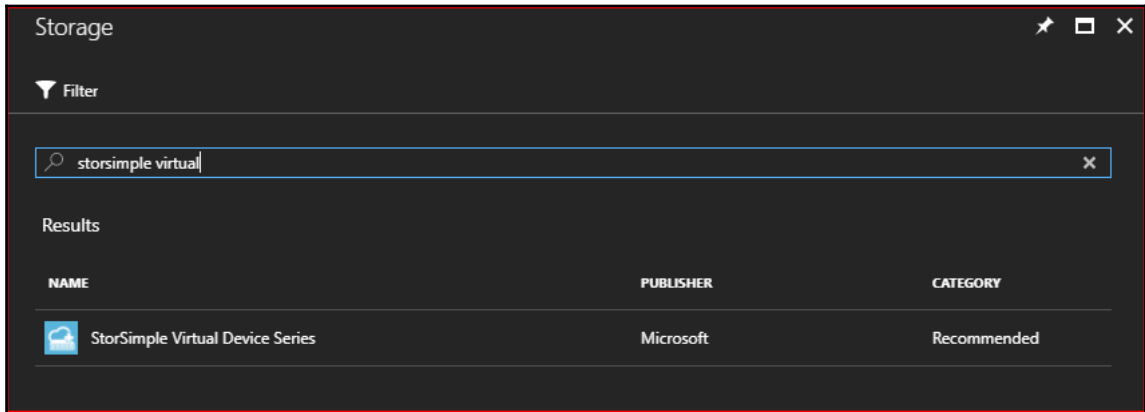
Copy frequency	5 Minutes
Recovery point retention	2 Hours
App consistent snapshot frequency	1 Hour
Initial replication start time	Immediately
Encrypt data stored on Azure	Off
VMM settings	Not configured

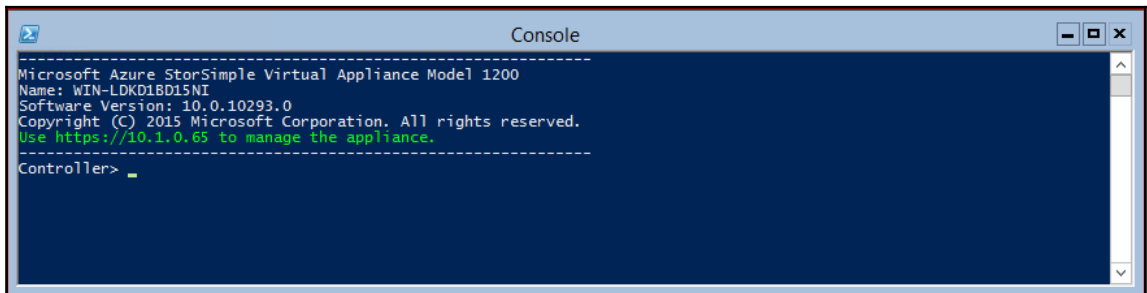
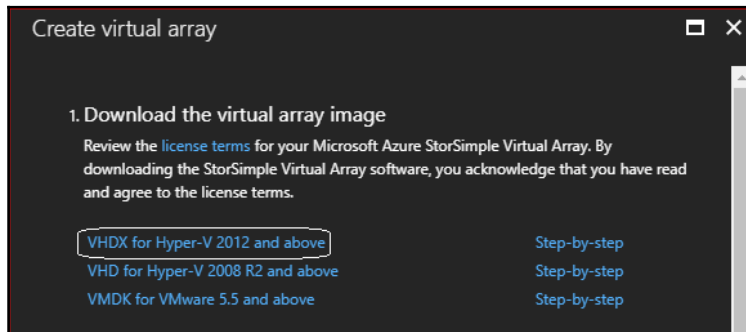
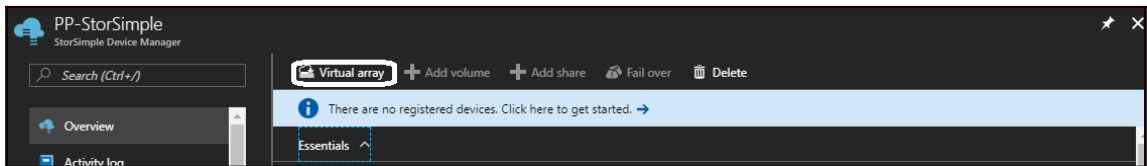
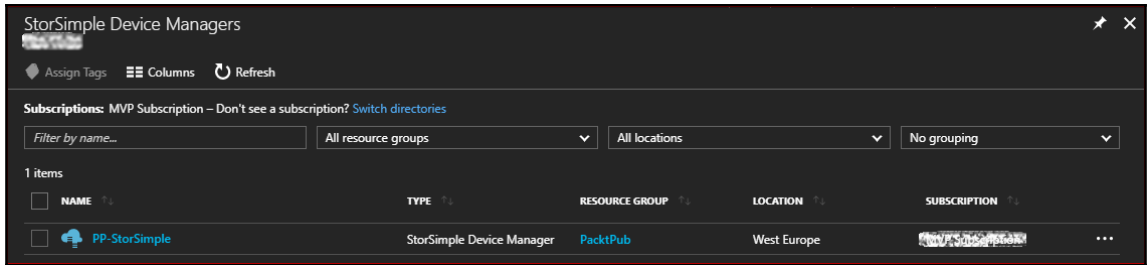
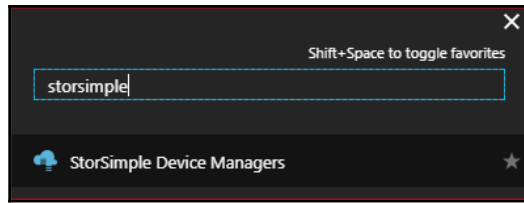
OK

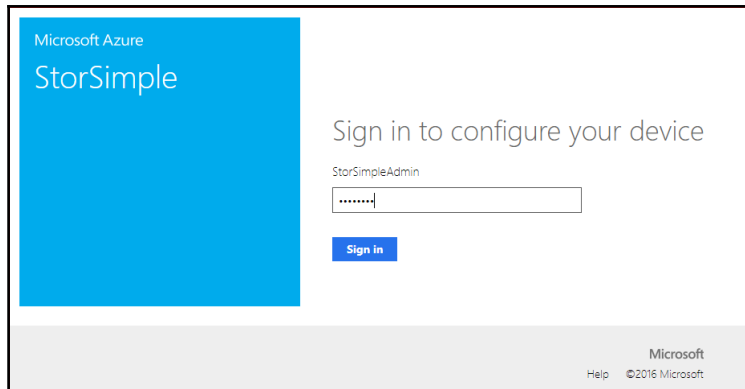




Chapter 8: Extending Your Azure Storage Management







Microsoft Azure StorSimple 1200 Device Sign out

Configuration


- Get started
- Network settings
- Device settings
- Web proxy settings
- Time settings
- Cloud settings

Maintenance

- Power settings
- Software update
- Password change

Troubleshooting

- Diagnostic tests
- System logs
- Contact Support

 Your device is not configured.
Here are the next steps to get you started.

- 1 Network settings (optional) ✓**
Verify default network settings or configure static IP addresses and DNS.
[Network settings](#) [Learn more](#)
- 2 Device settings**
Configure the device as a file server or an iSCSI server, assign a device name, and join a domain. You cannot change the device type once registered.
[Device settings](#) [Learn more](#)
- 3 Web proxy settings (optional)**
Configure these settings if you are using a web proxy server to connect to the Internet.
[Web proxy settings](#) [Learn more](#)
- 4 Time settings (optional)**
Configure device time zone and NTP servers.
[Time settings](#) [Learn more](#)

[Cloud settings](#)

Help ©2016 Microsoft

Microsoft Azure StorSimple 1200 Device Sign out

Configuration

- Get started
- Network settings
- Device settings
- Web proxy settings
- Time settings
- Cloud settings

Maintenance

- Power settings
- Software update
- Password change

Troubleshooting

- Diagnostic tests
- System logs
- Contact Support

Network interface: Ethernet (10 Gbps)

Get IP address automatically: On Off

Name	IP address	Subnet	Gateway
IPv4	10.1.0.65	255.255.0.0	10.1.100.1
IPv6			

DNS servers

Name	IPv4	IPv6
Primary	10.1.0.129	<input checked="" type="checkbox"/>
Secondary	10.1.100.11	<input checked="" type="checkbox"/>

Apply Help ©2016 Microsoft

Microsoft Azure StorSimple 1200 Device Sign out

Configuration

- Get started
- Network settings
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- Web proxy settings
- Time settings
- Cloud settings

Maintenance

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- Software update
- Password change

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- Diagnostic tests
- System logs
- Contact Support

Device type

File server
A File server to create shares and store data for users and applications.

iSCSI server
An iSCSI server to provision block storage for host servers.

Device name:

Join domain: Yes No

Domain name:

Apply Help ©2016 Microsoft

Enter the user credentials with permissions to join the domain. X

Username (Domain\User)

WCloud\Administrator ✓

Password

..... ✓

✓

Microsoft Azure StorSimple 1200 Device Sign out

Configuration

- Get started
- Network settings
- Device settings
- Web proxy settings
- Time settings
- Cloud settings

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- Power settings
- Software update
- Password change

Troubleshooting

- Diagnostic tests
- System logs
- Contact Support

Enable web proxy On Off

Web proxy URL

Authentication

Username

Password

✓ Apply Help ©2016 Microsoft

Microsoft Azure StorSimple 1200 Device Sign out

Configuration

Get started

Network settings

Device settings

Web proxy settings

Time settings

Cloud settings

Maintenance

Power settings

Software update

Password change

Troubleshooting

Dagnostic tests

System logs

Contact Support

Time zone:

Primary NTP server: ✔

Secondary NTP server:

✔ Apply
Help ©2016 Microsoft

Microsoft Azure StorSimple 1200 Device Sign out

Configuration

Get started

Network settings

Device settings

Web proxy settings

Time settings

Cloud settings

Maintenance

Power settings

Software update

Password change

Troubleshooting

Dagnostic tests

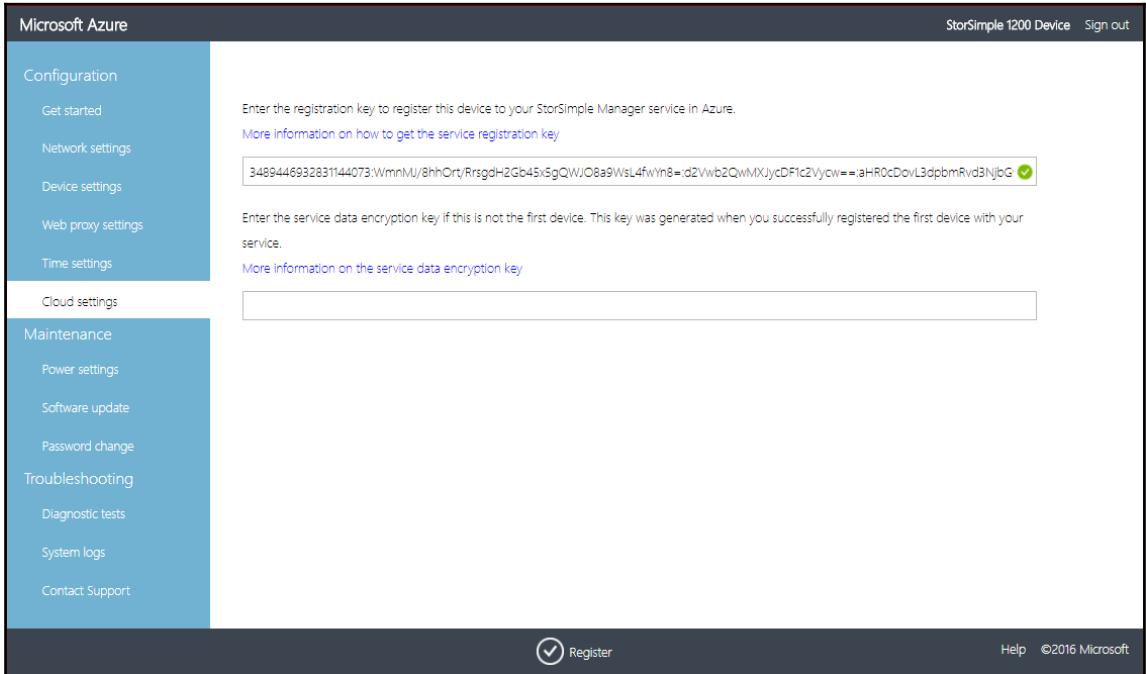
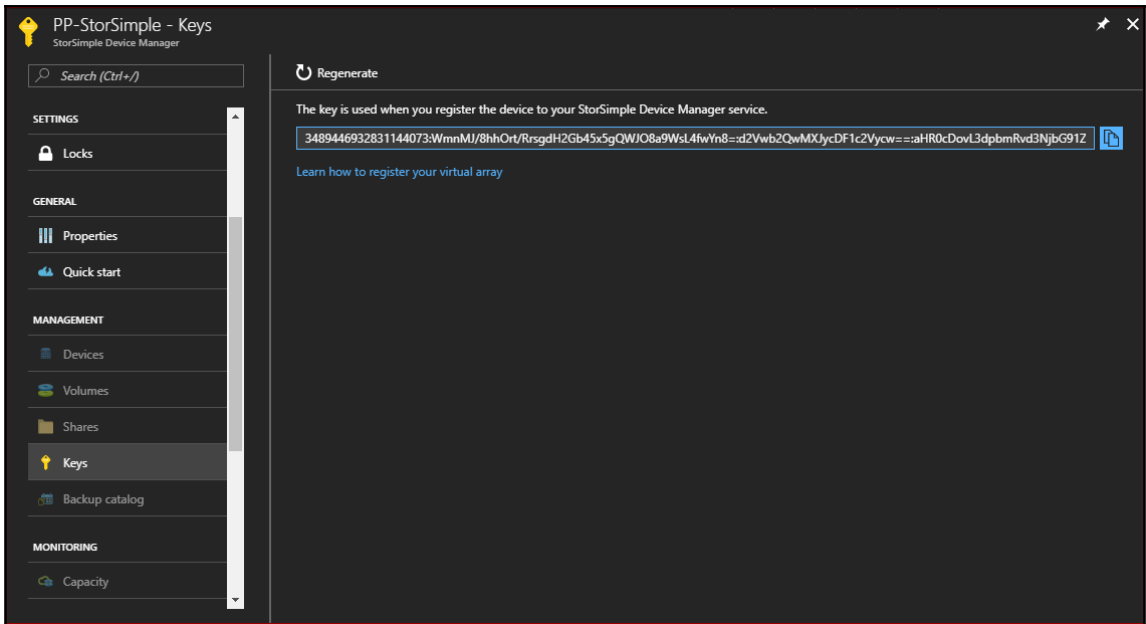
System logs

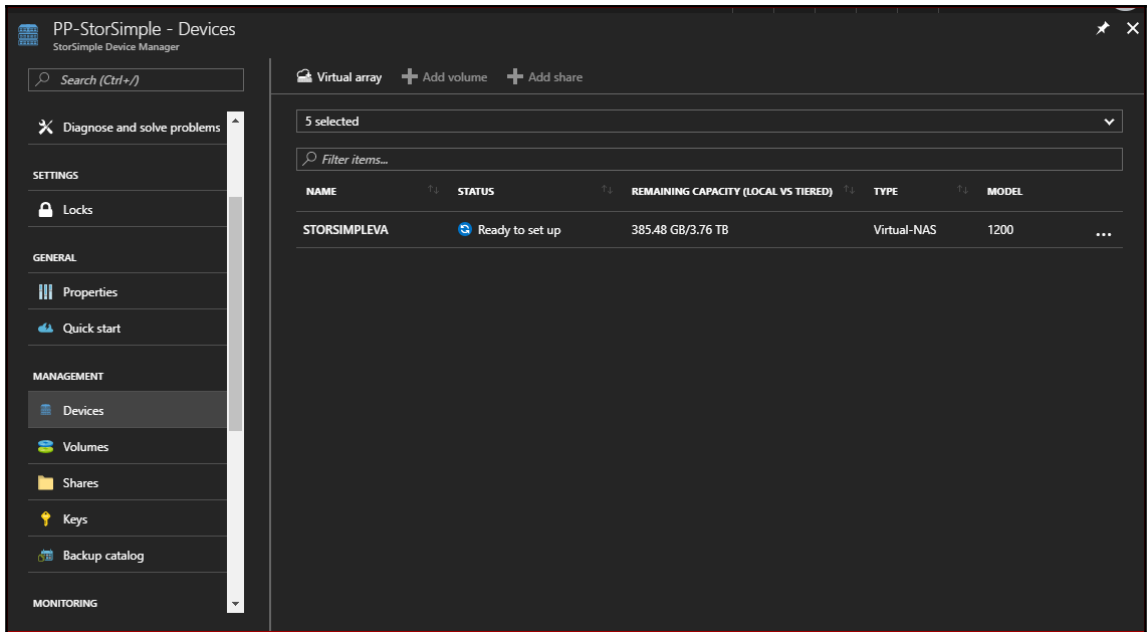
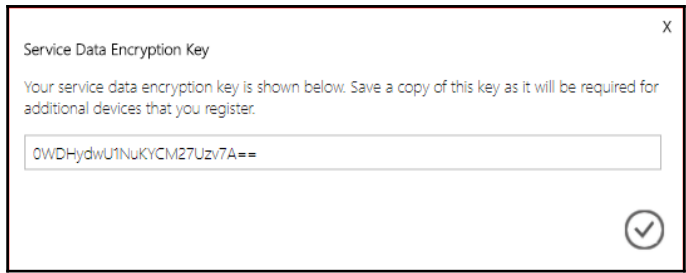
Contact Support

Enter the registration key to register this device to your StorSimple Manager service in Azure.
[More information on how to get the service registration key](#)


Enter the service data encryption key if this is not the first device. This key was generated when you successfully registered the first device with your service.
[More information on the service data encryption key](#)

✔ Register
Help ©2016 Microsoft





Configure
StorSimpleVA

 Complete the configuration of a file server on this device to create shares.

Server name
STORSIMPLEVA

Domain name ⓘ
WCloud.Local

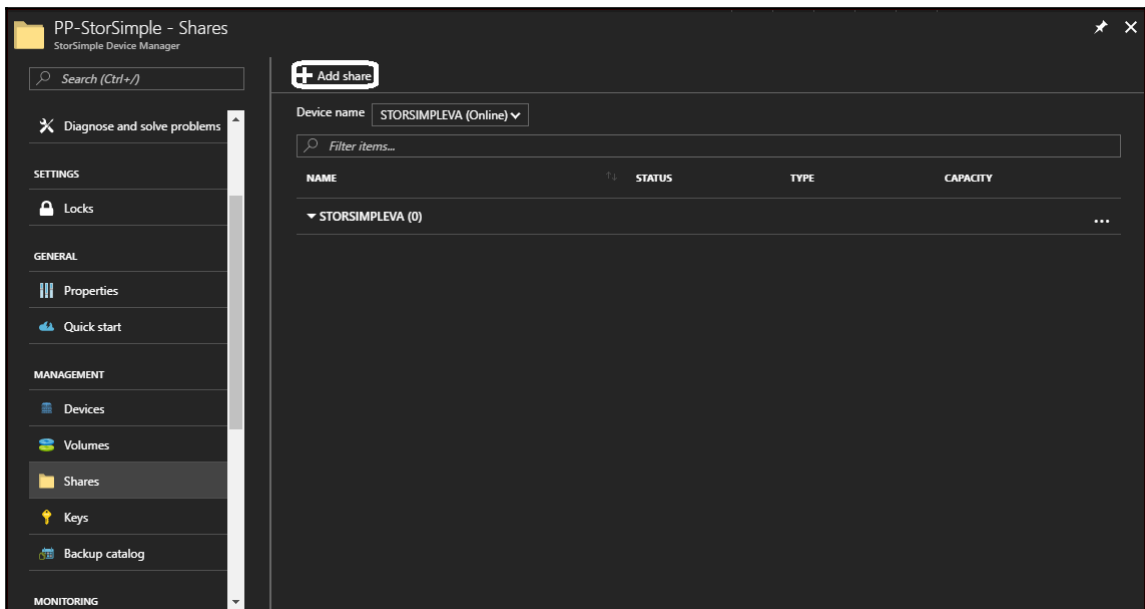
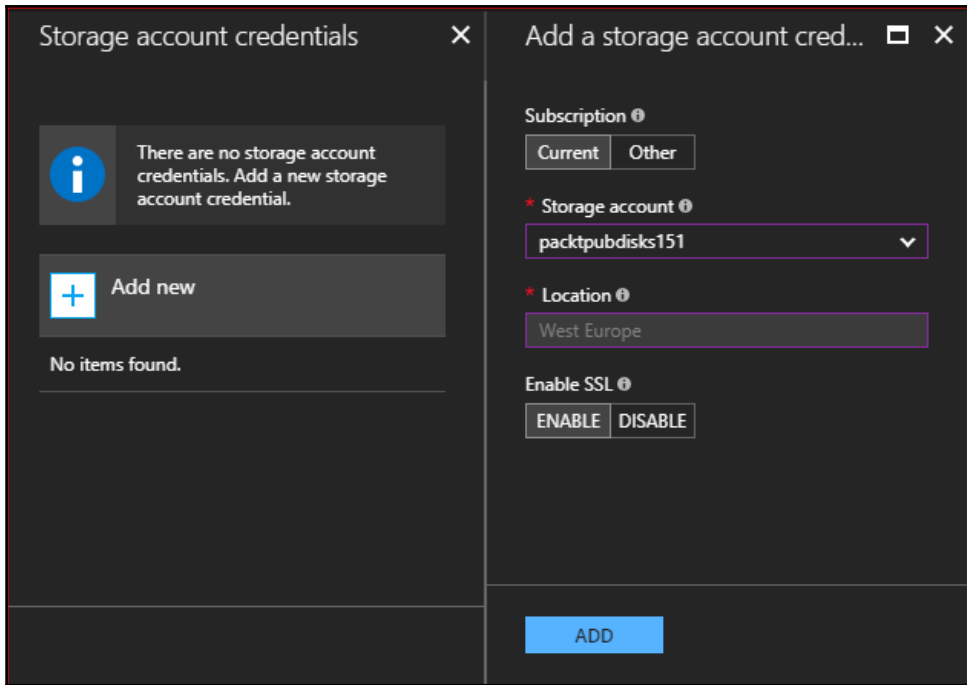
Cloud storage encryption ⓘ
 Enabled Disabled

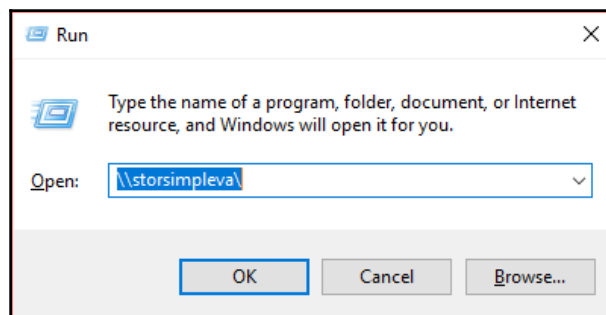
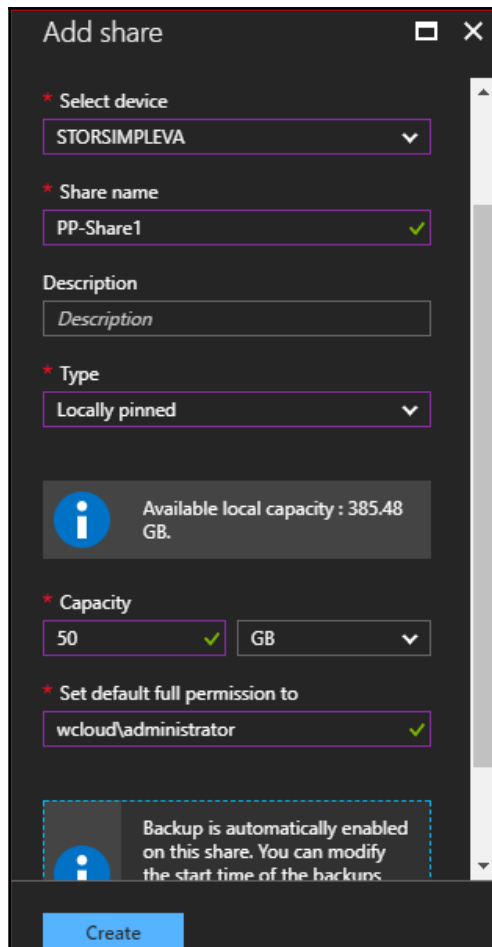
* Encryption key ⓘ
..... ✓

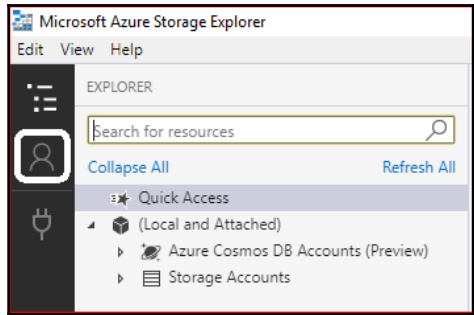
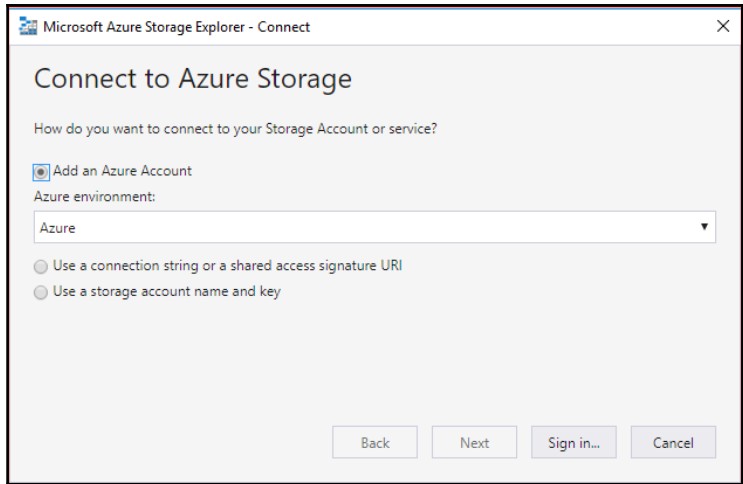
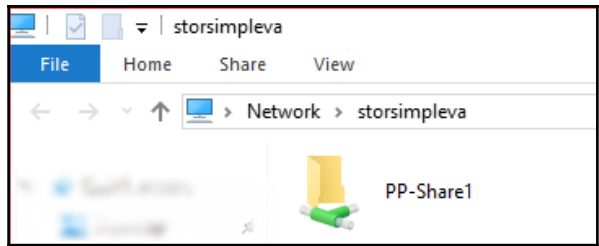
* Confirm encryption key
..... ✓

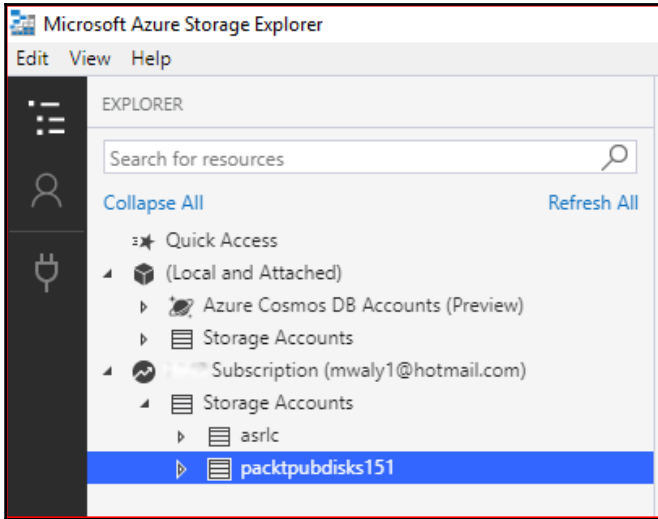
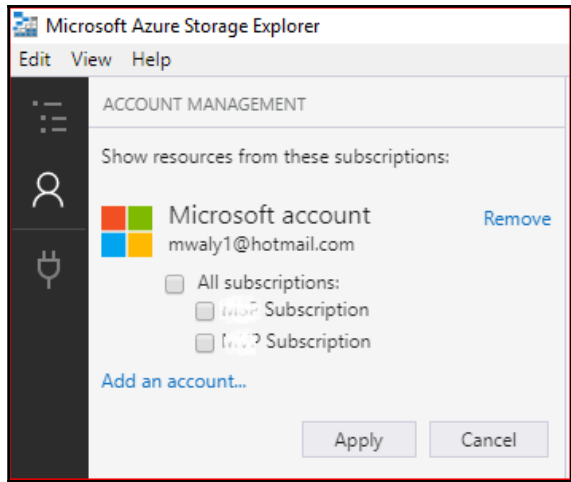
* Storage account credential
Configure required settings >

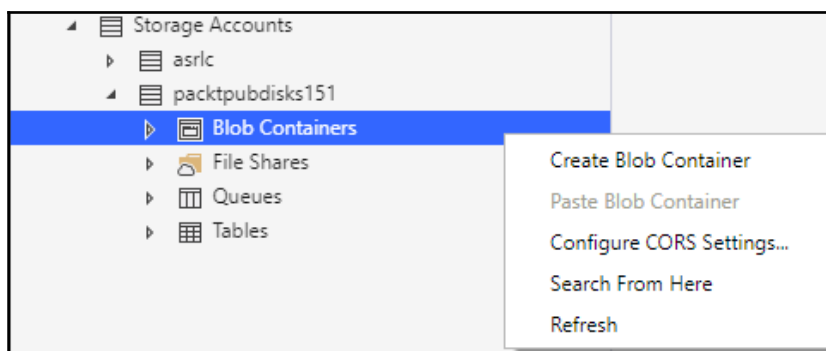
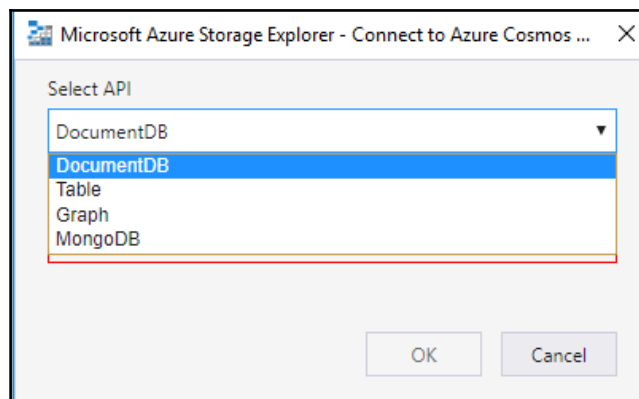
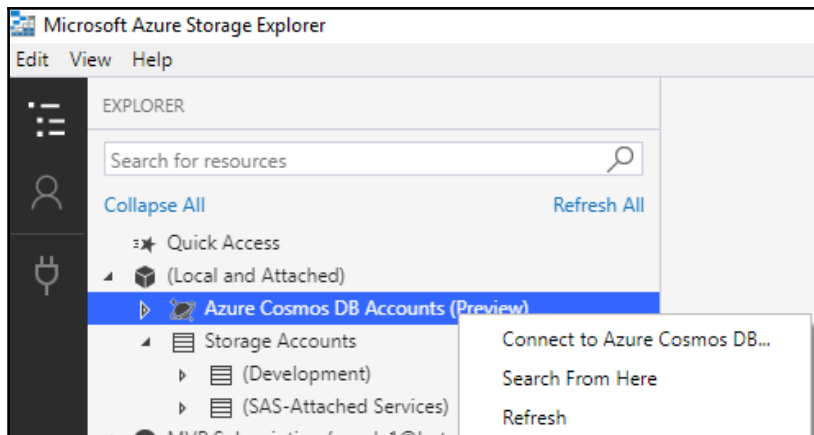
Configure











EXPLORER

Search for resources

Collapse All Refresh All

- (SAS-Attached Services)
- Subscription (mwaly1@hotmail.com)
 - Storage Accounts
 - asric
 - packtpubdisks151
 - Blob Containers
 - test

test x

Upload Download Open New Folder Copy URL Select All Copy Paste Rename Delete Make Snapshot Manage Snapshots Properties More

test

Name	Last Modified	Blob Type	Content Type	Size	Lease State	Disk Name	VM Name	Disk Type	Resource Group
test.txt	Tue, 24 Oct 2017 22:17:09 GMT	Block Blob	application/octet-stream	31.2 KB					

EXPLORER

Search for resources

Collapse All Refresh All

- Azure Cosmos DB Accounts (Preview)
- Storage Accounts
 - (Development)
 - (SAS-Attached Services)
 - Subscription (mwaly1@hotmail.com)
 - Storage Accounts
 - asric
 - packtpubdisks151
 - Blob Containers
 - File Shares
 - Queues
 - test

test x

View Message Add Message Dequeue Message Clear Queue Refresh

ID	Message Text	Insertion Time (UTC)	Expiration Time (UTC)	Dequeue Count	Size
4b8e619c-1466-40d9-9995-9c933681afc3	Test Message	Wed, 25 Oct 2017 09:19:48 GMT	Wed, 01 Nov 2017 09:19:48 GMT	0	16 B

EXPLORER

Search for resources

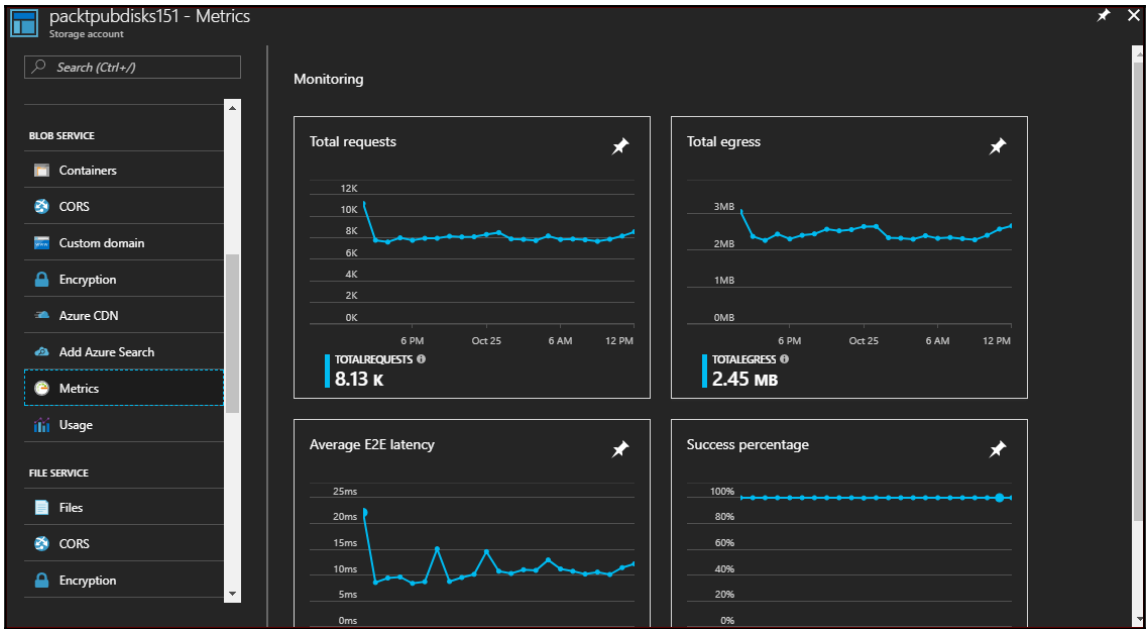
Collapse All Refresh All

- Azure Cosmos DB Accounts (Preview)
- Storage Accounts
 - (Development)
 - (SAS-Attached Services)
 - Subscription (mwaly1@hotmail.com)
 - Storage Accounts
 - asric
 - packtpubdisks151
 - Blob Containers
 - File Shares
 - Queues
 - test
 - Tables
 - \$MetricsCapacityBlob
 - \$MetricsHourPrimaryTransactionsBlob
 - \$MetricsHourPrimaryTransactionsFile
 - \$MetricsHourPrimaryTransactionsQue

\$MetricsCapacityBlob x

Query Import Export Add Edit Select all Column Options Delete Table Statistics Refresh

PartitionKey	RowKey	Timestamp	Capacity	ContainerCount	ObjectCount
20171019T0000	analytics	2017-10-19T01:22:43.286Z	0	0	0
20171019T0000	data	2017-10-19T01:22:43.279Z	15776469740	1	1
20171020T0000	analytics	2017-10-20T01:21:04.279Z	0	0	0
20171020T0000	data	2017-10-20T01:21:04.279Z	15776469740	1	1
20171021T0000	analytics	2017-10-21T01:20:56.788Z	0	0	0
20171021T0000	data	2017-10-21T01:20:56.769Z	15776469740	1	1
20171022T0000	analytics	2017-10-22T01:21:18.355Z	0	0	0
20171022T0000	data	2017-10-22T01:21:18.355Z	15776469740	1	1
20171023T0000	analytics	2017-10-23T01:24:54.590Z	0	0	0
20171023T0000	data	2017-10-23T01:24:54.546Z	31792940688	1	2
20171024T0000	analytics	2017-10-24T01:21:53.631Z	0	0	0
20171024T0000	data	2017-10-24T01:21:53.630Z	29804744298	2	4



Add an alert rule ☐ ✕

* Resource ⓘ
packtpubdisks151/table (storageAcco... ▾

* Name ⓘ
PP-TableAlert ✓

Description
Description

* Metric ⓘ
Availability ▾

100%
80%
60%
40%
20%

6 PM Oct 25 6 AM 12 PM

* Condition
less than ▾

OK