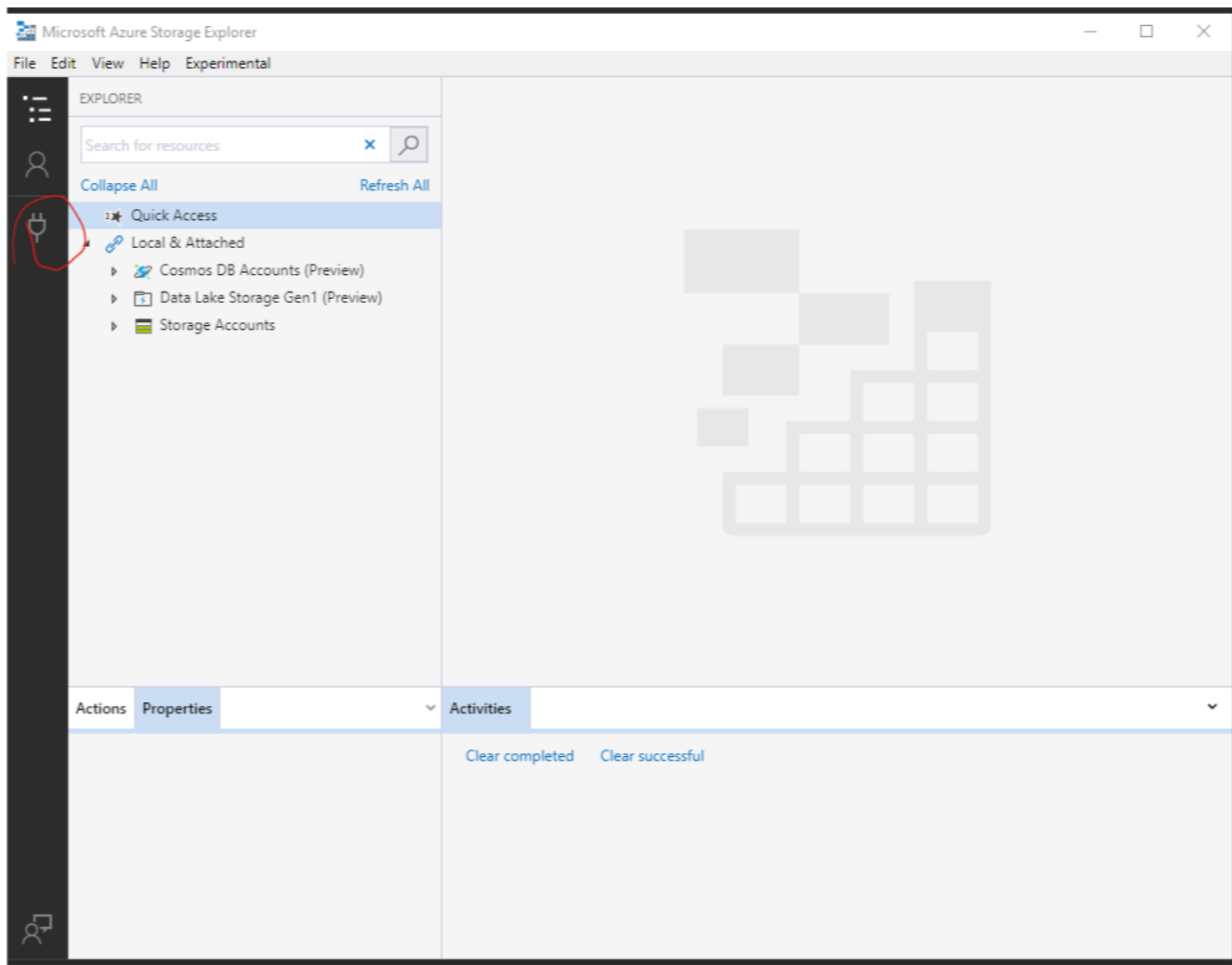


Azure Storage Explorer操作

添加账户



基于Azure账号

Connect to Azure Storage

How do you want to connect to your Storage Account or service?

☒ Add an Azure Account

Azure environment:

Azure ▼

Azure

Azure China

Azure Germany

Azure US Government

Create Custom Environment

Back

Next

Sign in...

Cancel

Microsoft Azure



Sign in

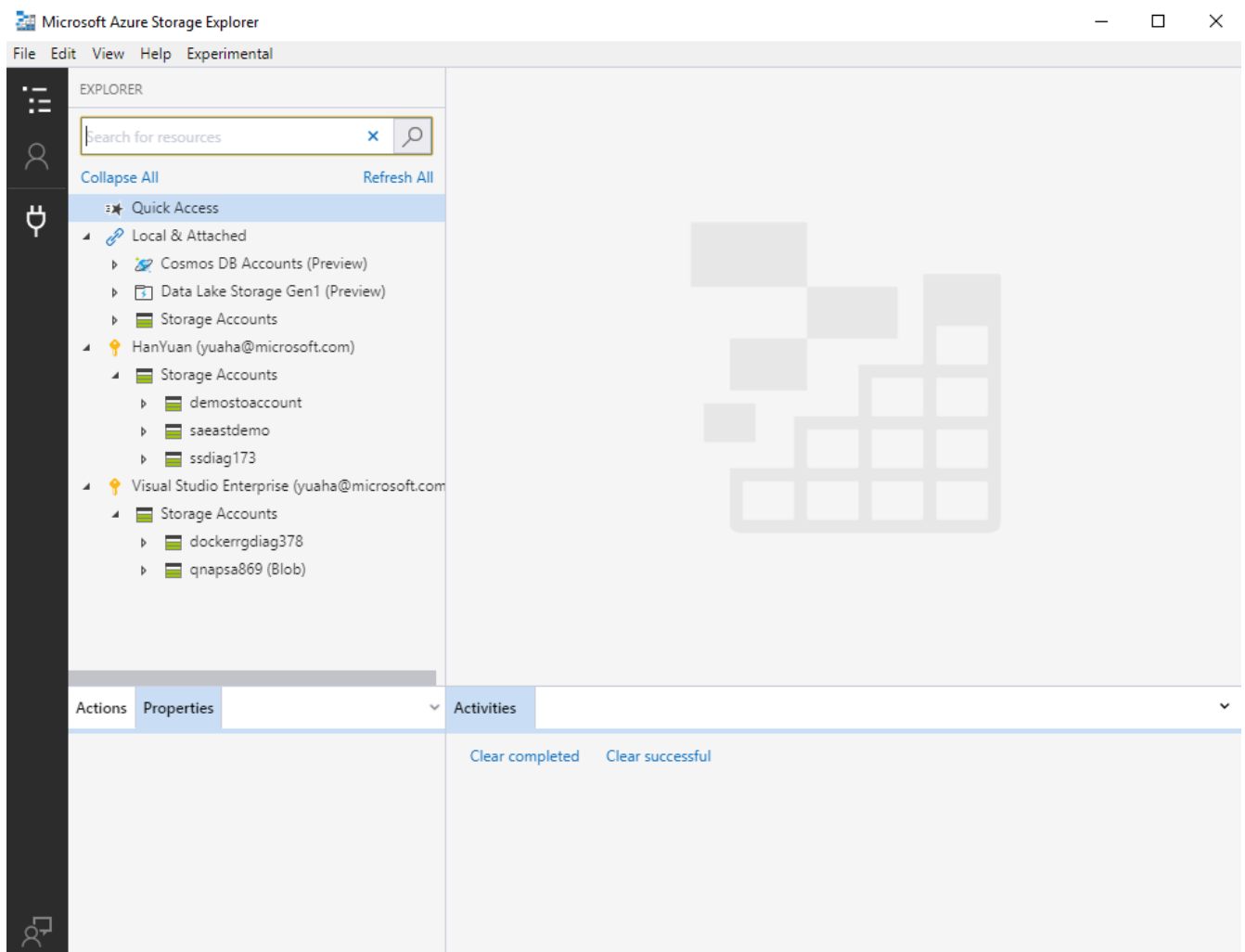
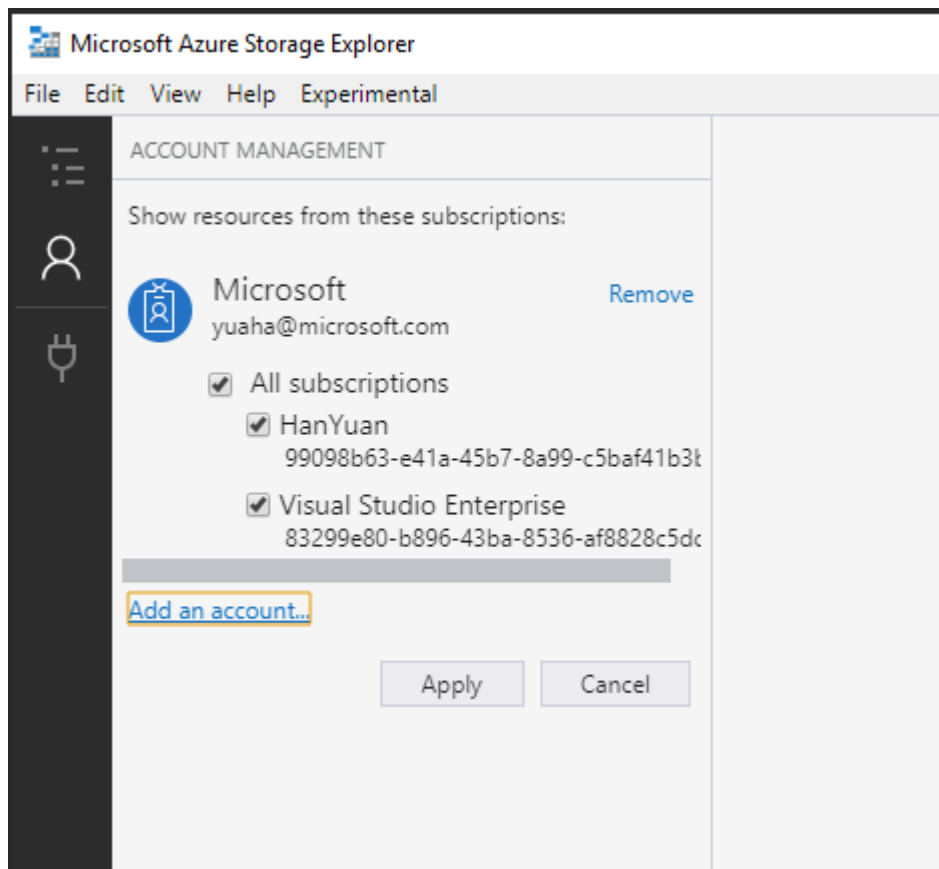
Email, phone, or Skype

No account? [Create one!](#)


[Can't access your account?](#)

[Sign-in options](#)

Next



基于Storage Account

 Microsoft Azure Storage Explorer - Connect ✕

Connect to Azure Storage

How do you want to connect to your Storage Account or service?

☐ Add an Azure Account

Azure environment:

Azure ▼

☐ Use a connection string

☐ Use a shared access signature URI

☒ Use a storage account name and key

☐ Attach to a local emulator

Back

Next

Connect

Cancel

Connection Summary

The following settings will be used to connect to your storage account:

Display name: StoDemo
Account name: demostoaccount
Account key: sd8B/7sjtA2wfaexylQzfctrLmTspKlciQxlUWGOgk3TZ2iDn1a8VfFOvkCse+p...
Default endpoints protocol: https
Endpoint suffix: core.windows.net

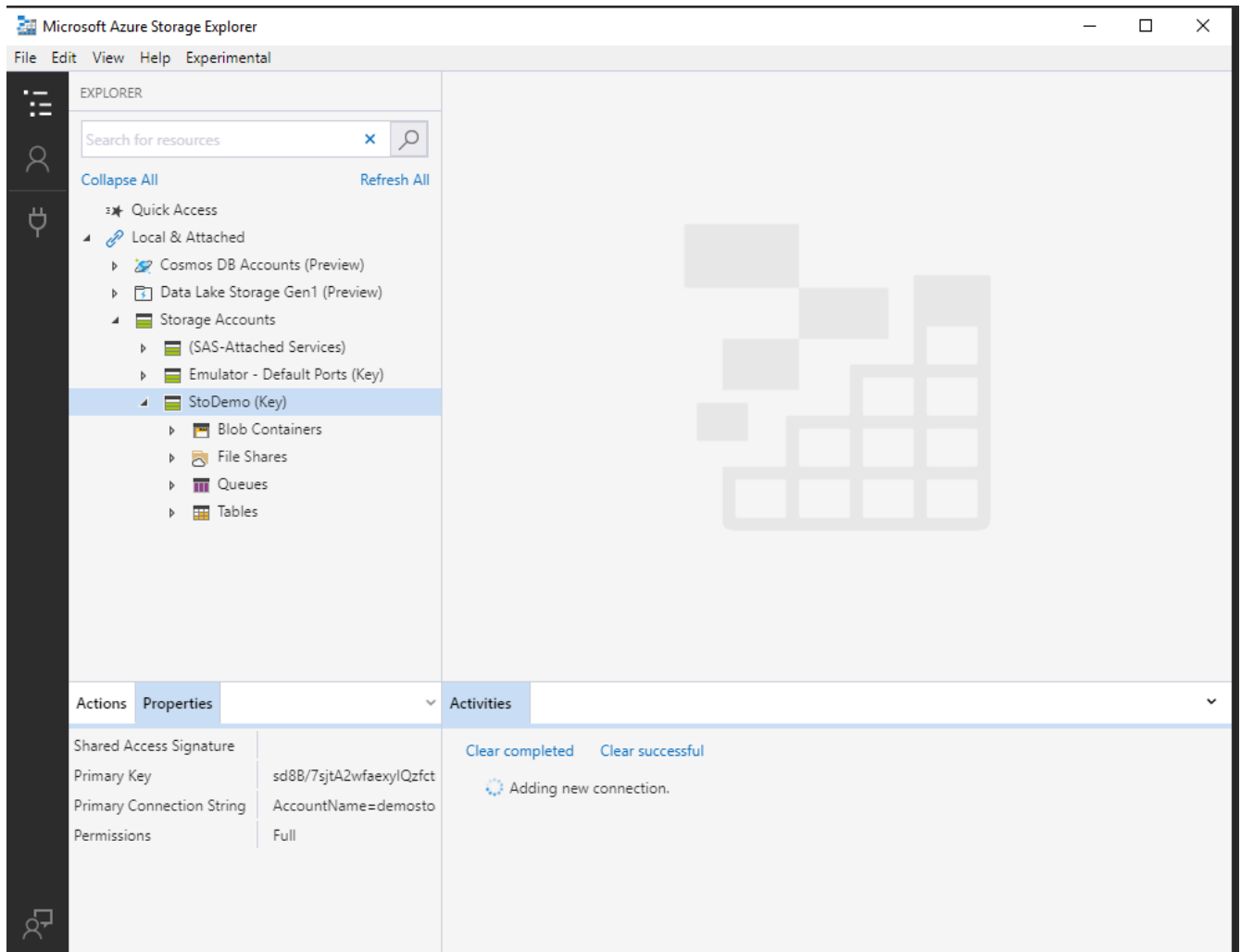
! Make sure you only connect to resources you trust.

Back

Next

Connect

Cancel



基于SAS

Connect to Azure Storage

How do you want to connect to your Storage Account or service?

☐ Add an Azure Account

Azure environment:

Azure ▼

☐ Use a connection string

☒ Use a shared access signature URI

☐ Use a storage account name and key

☐ Attach to a local emulator

Back

Next

Connect

Cancel

Attach with SAS URI

Display name:

URI:

Blob endpoint:

File endpoint:

Queue endpoint:

Table endpoint:

Connection Summary

The following settings will be used to connect to your storage account:

Display name: democontainer01
SAS: st=2019-03-03T23%3A20%3A25Z&se=2019-03-04T23%3A20%3A25Z&sp...
Expiration date: 3/5/2019, 7:20:25 AM
Permissions: Read, List
Blob endpoint: https://demostoaccount.blob.core.windows.net
Resource name: democontainer01

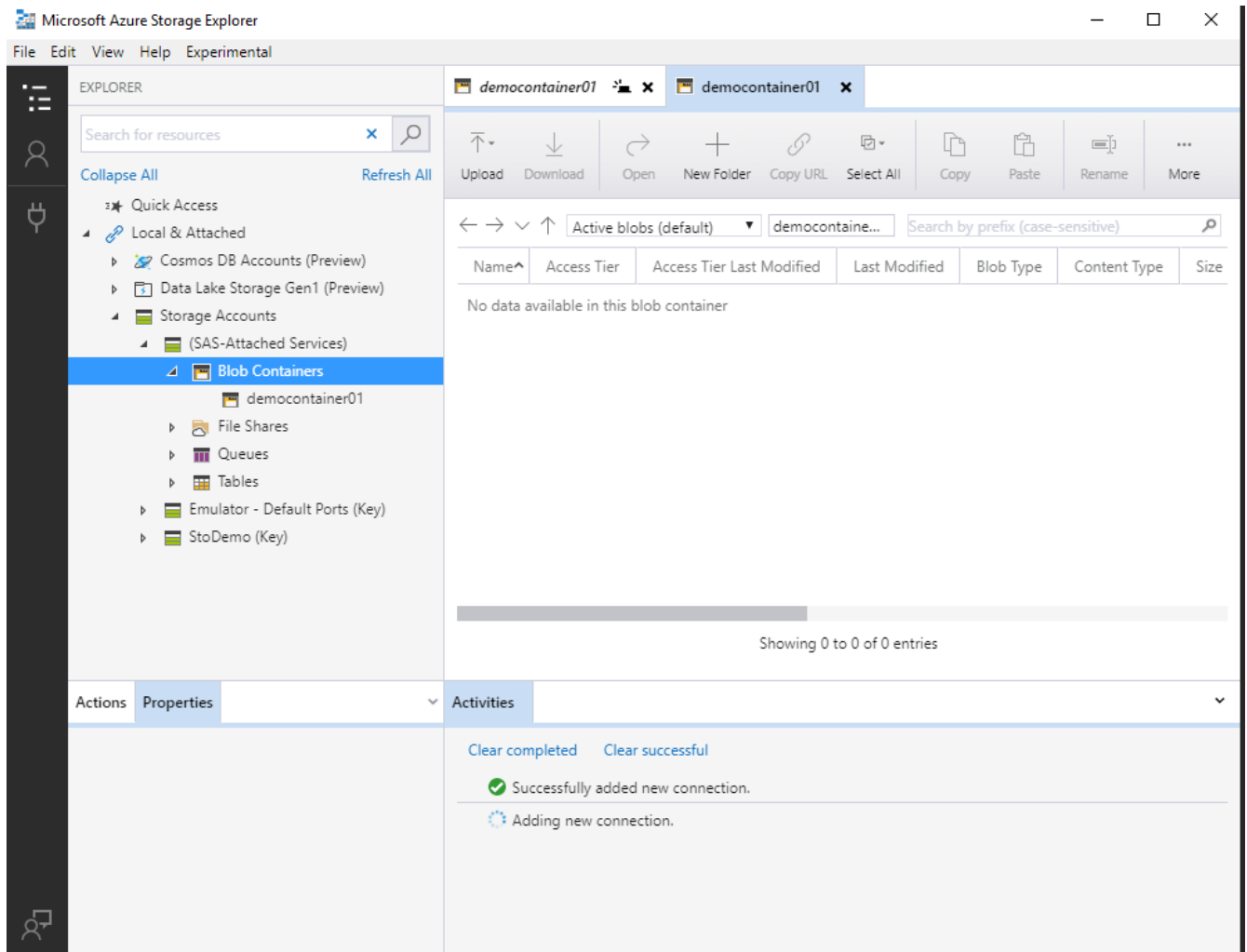
⚠ Make sure you only connect to resources you trust.

Back

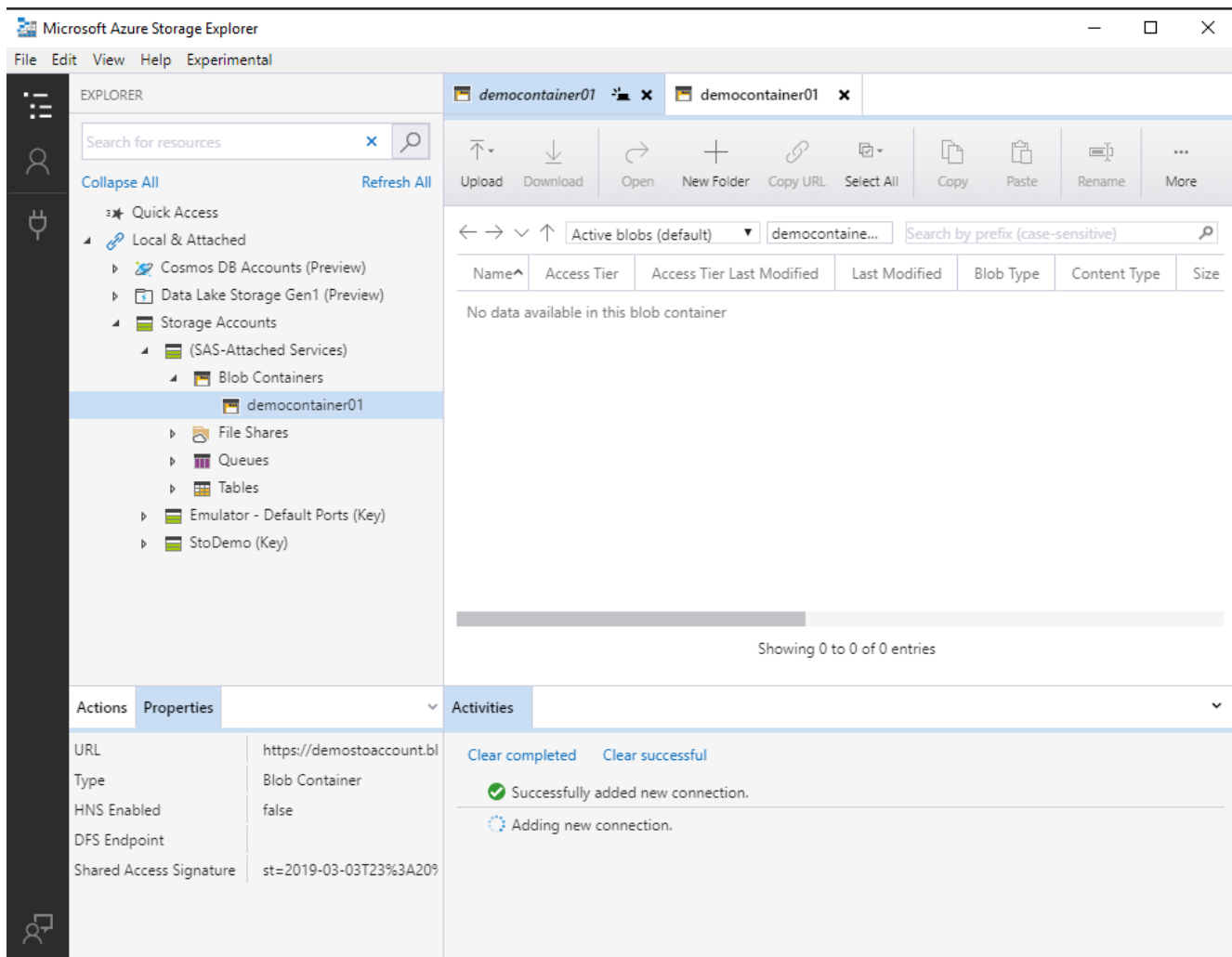
Next

Connect

Cancel



Storage操作



AzCopy

设置AzCopy运行环境

X

OK Cancel

```
Command Prompt
Microsoft Windows [Version 10.0.17763.316]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\aubre>azcopy

-----
AzCopy 8.1.0-netcore Copyright (c) 2018 Microsoft Corp. All Rights Reserved.
-----

# AzCopy is designed for high-performance uploading, downloading, and copying
data to and from Microsoft Azure Blob, and File storage.

# Command Line Usage:
1. AzCopy /Source:<source> /Dest:<destination> [options]

# Options:
  [/SourceKey:] [/DestKey:] [/SourceSAS:] [/DestSAS:] [/V:] [/Z:] [/@:] [/Y]
  [/NC:] [/SourceType:] [/DestType:] [/S] [/Pattern:] [/CheckMD5] [/L] [/MT]
  [/XN] [/XO] [/A] [/IA] [/XA] [/SyncCopy] [/SetContentType] [/BlobType:]
  [/BlockSizeInMB:] [/Delimiter:] [/Snapshot]

2. AzCopy login [/Tenant:] [/Identity [/U:]] [/Y]
   # To use OAuth token to access Azure Storage, you need login first.
   # Detailed command-line help for AzCopy login --- AzCopy login /?

3. AzCopy logout
   # Logout to cleanup the cached login information.

-----
For AzCopy command-line help, type one of the following commands:
# Detailed command-line help for AzCopy --- AzCopy /?
# Detailed command-line help for AzCopy login --- AzCopy login /?
# Detailed help for any AzCopy option --- AzCopy /?:SourceKey
# Command line samples --- AzCopy /?:Sample
You can learn more about AzCopy at http://aka.ms/azcopy.
-----

C:\Users\aubre>.
```

AzCopy基本命令

AzCopy /Source:<source> /Dest:<destination> [Options]

下载文件

下载单个文件

```
azcopy /source:https://demostoaaccount.blob.core.windows.net/democontainer03 /dest:.
/Pattern:"20140331_024018000_ios.jpg"
```

```
C:\Users\aubre\Documents\temp>azcopy /source:https://demostoaccount.blob.core.windows.net/democontainer03 /dest:. /Pattern:"20140331_024018000_iOS.jpg"
Overwrite C:\Users\aubre\Documents\temp\20140331_024018000_iOS.jpg with https://demostoaccount.blob.core.windows.net/democontainer03/20140331_024018000_iOS.jpg? (Yes/No/All) y
Finished 1 of total 1 file(s).
[2019/03/04 07:57:51] Transfer summary:
-----
Total files transferred: 1
Transfer successfully: 1
Transfer skipped: 0
Transfer failed: 0
Elapsed time: 00.00:00:04

C:\Users\aubre\Documents\temp>dir
Volume in drive C has no label.
Volume Serial Number is 98E1-30B4

Directory of C:\Users\aubre\Documents\temp

2019/03/04 07:56 <DIR> .
2019/03/04 07:56 <DIR> ..
2019/03/04 07:57 225,288 20140331_024018000_iOS.jpg
1 File(s) 225,288 bytes
2 Dir(s) 68,381,564,928 bytes free
```

Tips

- source和dest的目标是目录或容器
- 文件通过/pattern参数指定
- 覆盖不会提醒

下载批量文件

现有文件结构

democontainer03					
Upload	Download	Open	New Folder	Copy URL	Select All
Copy	Paste	Rename	More		
← → ∨ ↑	Active blobs (default)	democontaine...	Search by prefix (case-sensitive)		
Name	Access Tier	Access Tier Last Modified	Last Modified	Blob Type	Content Type
dir01					Folder
1.jpg	Hot (inferred)		3/4/2019, 8:35:07 AM	Block Blob	image/jpeg
a1.jpg	Hot (inferred)		3/4/2019, 8:35:07 AM	Block Blob	image/jpeg
a2.jpg	Hot (inferred)		3/4/2019, 8:35:07 AM	Block Blob	image/jpeg
a3.jpg	Hot (inferred)		3/4/2019, 8:35:07 AM	Block Blob	image/jpeg

```
azcopy /source:https://demostoaaccount.blob.core.windows.net/democontainer03 /dest:. /s
```

```
azcopy /source:https://demostoaaccount.blob.core.windows.net/democontainer03 /dest:. /s
```



```

C:\Users\aubre\Documents\temp>dir
Volume in drive C has no label.
Volume Serial Number is 98E1-30B4

Directory of C:\Users\aubre\Documents\temp

2019/03/04  08:36    <DIR>        .
2019/03/04  08:36    <DIR>        ..
               0 File(s)              0 bytes
               2 Dir(s)  68,309,811,200 bytes free

C:\Users\aubre\Documents\temp>azcopy /source:https://demostoaccount.blob.core.windows.net/democontainer03 /dest:. /s
Finished 8 of total 8 file(s).
[2019/03/04 08:40:19] Transfer summary:
-----
Total files transferred: 8
Transfer successfully:   8
Transfer skipped:        0
Transfer failed:         0
Elapsed time:            00.00:00:04

C:\Users\aubre\Documents\temp>dir /s
Volume in drive C has no label.
Volume Serial Number is 98E1-30B4

Directory of C:\Users\aubre\Documents\temp

2019/03/04  08:40    <DIR>        .
2019/03/04  08:40    <DIR>        ..
2019/03/04  08:40             225,288 1.jpg
2019/03/04  08:40             225,288 a1.jpg
2019/03/04  08:40             225,288 a2.jpg
2019/03/04  08:40             225,288 a3.jpg
2019/03/04  08:40    <DIR>        dir01
               4 File(s)           901,152 bytes

Directory of C:\Users\aubre\Documents\temp\dir01

2019/03/04  08:40    <DIR>        .
2019/03/04  08:40    <DIR>        ..
2019/03/04  08:40             225,288 1.jpg
2019/03/04  08:40             225,288 a1.jpg
2019/03/04  08:40             225,288 a2.jpg
2019/03/04  08:40             225,288 a3.jpg
               4 File(s)           901,152 bytes

Total Files Listed:
      8 File(s)      1,802,304 bytes
      5 Dir(s)  68,320,751,616 bytes free

```

Tips

- /s参数指定下载所有文件
- 目录结构将完整复制

下载指定前缀的文件

```

azcopy /source:https://demostoaccount.blob.core.windows.net/democontainer03 /dest:. /s
/pattern:a

```

```

C:\Users\aubre\Documents\temp>dir
Volume in drive C has no label.
Volume Serial Number is 98E1-30B4

Directory of C:\Users\aubre\Documents\temp

2019/03/04  08:41    <DIR>        .
2019/03/04  08:41    <DIR>        ..
               0 File(s)              0 bytes
               2 Dir(s)  68,316,053,504 bytes free

C:\Users\aubre\Documents\temp>azcopy /source:https://demoaccount.blob.core.windows.net/democontainer03 /dest:. /s /pattern:a
Finished 3 of total 3 file(s).
[2019/03/04 08:42:19] Transfer summary:
-----
Total files transferred: 3
Transfer successfully:  3
Transfer skipped:       0
Transfer failed:        0
Elapsed time:           00.00:00:04

C:\Users\aubre\Documents\temp>dir
Volume in drive C has no label.
Volume Serial Number is 98E1-30B4

Directory of C:\Users\aubre\Documents\temp

2019/03/04  08:42    <DIR>        .
2019/03/04  08:42    <DIR>        ..
2019/03/04  08:42             225,288 a1.jpg
2019/03/04  08:42             225,288 a2.jpg
2019/03/04  08:42             225,288 a3.jpg
               3 File(s)             675,864 bytes
               2 Dir(s)  68,315,115,520 bytes free

```

Tips

- 用/pattern参数指定前缀
- 不支持复制目录内的内容

容器权限的影响

不加认证

```
C:\Users\aubre\Documents\temp>azcopy /source:https://demostoaaccount.blob.core.windows.net/democontainer01 /dest:. /pattern:al.jpg
[2019/03/04 08:51:22][ERROR] Error parsing source location "https://demostoaaccount.blob.core.windows.net/democontainer01": Failed to enumerate directory https://demostoaaccount.blob.core.windows.net/democontainer01 with file pattern al.jpg. The specified resource does not exist.
The specified resource does not exist.
RequestId:deca49c9-901e-007d-7824-d2d6f5000000
Time:2019-03-04T00:51:22.0816385Z For more details, please type "AzCopy /?:Source" or use verbose option /V.

C:\Users\aubre\Documents\temp>azcopy /source:https://demostoaaccount.blob.core.windows.net/democontainer02 /dest:. /pattern:al.jpg
[2019/03/04 08:51:38][WARNING] The command line "azcopy /source:https://demostoaaccount.blob.core.windows.net/democontainer02 /dest:. /pattern:al.jpg" in the journal file "C:\Users\aubre\AppData\Local\Microsoft\Azure\AzCopy\AzCopy.jnl" is different from your input.
[2019/03/04 08:51:38][WARNING] Incomplete operation with different command line detected at the journal directory "C:\Users\aubre\AppData\Local\Microsoft\Azure\AzCopy".
Do you want to overwrite the journal to start a new operation? Choose Yes to overwrite, choose No to cancel current operation. (Yes/No) y
[2019/03/04 08:51:42][ERROR] Error parsing source location "https://demostoaaccount.blob.core.windows.net/democontainer02": Failed to enumerate directory https://demostoaaccount.blob.core.windows.net/democontainer02 with file pattern al.jpg. The specified resource does not exist.
The specified resource does not exist.
RequestId:b3a18173-901e-006d-1f24-d2139d000000
Time:2019-03-04T00:51:42.7736403Z For more details, please type "AzCopy /?:Source" or use verbose option /V.

C:\Users\aubre\Documents\temp>azcopy /source:https://demostoaaccount.blob.core.windows.net/democontainer03 /dest:. /pattern:al.jpg
[2019/03/04 08:51:53][WARNING] The command line "azcopy /source:https://demostoaaccount.blob.core.windows.net/democontainer03 /dest:. /pattern:al.jpg" in the journal file "C:\Users\aubre\AppData\Local\Microsoft\Azure\AzCopy\AzCopy.jnl" is different from your input.
[2019/03/04 08:51:53][WARNING] Incomplete operation with different command line detected at the journal directory "C:\Users\aubre\AppData\Local\Microsoft\Azure\AzCopy".
Do you want to overwrite the journal to start a new operation? Choose Yes to overwrite, choose No to cancel current operation. (Yes/No) y
Finished 1 of total 1 file(s).
[2019/03/04 08:51:58] Transfer summary:
-----
Total files transferred: 1
Transfer successfully: 1
Transfer skipped: 0
Transfer failed: 0
Elapsed time: 00:00:00:06
```

Tips

- 容器权限必须是容器才支持不加认证的进行文件下载

使用Account Key

```
azcopy /source:https://demostoaccount.blob.core.windows.net/democontainer01 /dest:./pattern:a1.jpg /sourcekey:sd8B/7sjtA2wfaexyIQzfctrLmTspKlciQxlUWGogk3TZ2iDn1a8VfFovkCse+pgD3gui3dyKay0a+wpQVeKaQ==
```

```
C:\Users\aubre\Documents\temp>azcopy /source:https://demoaccount.blob.core.windows.net/democontainer01 /dest:. /patte
rn:a1.jpg /sourcekey:sd8B/7sjtA2wfaexyIQzfcotrLmTspK1ciQx1UWG0gk3TZ2iDn1a8Vf0vkCse+pgD3gui3dyKay0a+wpQVeKaQ==
Overwrite C:\Users\aubre\Documents\temp\al.jpg with https://demoaccount.blob.core.windows.net/democontainer01/al.jpg?
(Yes/No/All) y
Finished 1 of total 1 file(s).
[2019/03/04 08:57:18] Transfer summary:
-----
Total files transferred: 1
Transfer successfully: 1
Transfer skipped: 0
Transfer failed: 0
Elapsed time: 00.00:00:05
```

Tips

- /sourcekey参数可指定存储账户的Account Key, 赋予AzCopy权限

使用SAS

```
azcopy /source:https://demostoaccount.blob.core.windows.net/democontainer01 /dest:. /pattern:a1.jpg /sourcesas:"?st=2019-03-04T00%3A57%3A40Z&se=2019-03-05T00%3A57%3A40Z&sp=r1&sv=2018-03-28&sr=c&sig=0oJbXncjH0i8DsqipIi3SfTj%2FI6Ibu%2B%2Fc6FKD3HD2kE%3D"
```

```
C:\Users\aubre\Documents\temp>azcopy /source:https://demostoaccount.blob.core.windows.net/democontainer01 /dest:. /pattern:a1.jpg /sourcesas:"?st=2019-03-04T00%3A57%3A40Z&se=2019-03-05T00%3A57%3A40Z&sp=r1&sv=2018-03-28&sr=c&sig=0oJbXncjH0i8DsqipIi3SfTj%2FI6Ibu%2B%2Fc6FKD3HD2kE%3D"
Overwrite C:\Users\aubre\Documents\temp\al.jpg with https://demostoaccount.blob.core.windows.net/democontainer01/al.jpg?
(Yes/No/All) y
Finished 1 of total 1 file(s).
[2019/03/04 09:13:25] Transfer summary:
-----
Total files transferred: 1
Transfer successfully: 1
Transfer skipped: 0
Transfer failed: 0
Elapsed time: 00.00:00:06
```

Tips

- /sourcesas参数可指定存储资源的SAS，赋予AzCopy权限
- SAS连接字符串有特殊字符，需要放在“”里

AzCopy进阶参数

/XN

排除较新的源资源。如果源的上次修改时间同于或晚于目标，不会复制该资源。

适用于： Blob、文件

/XO

排除较旧的源资源。如果源的上次修改时间同于或早于目标，不会复制该资源。

适用于： Blob、文件

/L

仅指定列出操作；不复制任何数据。

AzCopy 使用此选项解释为在没有此选项 /L 的情况下，模拟运行命令行，并对复制的对象数量进行计数，可以同时指定选项 /V 以检查哪些对象要复制到详细日志中。

此选项的行为也由源数据的位置、是否存在递归模式选项 /S 以及文件模式选项 /Pattern 所决定。

使用此选项时，AzCopy 需要此源位置的列出和读取权限。

/NC:"number-of-concurrent-operations"

指定并发操作的数量。

默认情况下，AzCopy 会启动一定数量的并发操作以提高数据传输吞吐量。请注意，在低带宽环境中，大量的并发操作可能会压垮网络连接，并且会阻碍操作彻底完成。请根据实际可用的网络带宽限制并发操作。

并发操作的上限为 512。

适用于： Blob、文件、表

/SyncCopy

指示是否要以同步方式在两个 Azure 存储终结点之间复制 blob 或文件。

AzCopy 默认情况下使用服务器端的异步复制。指定此选项以执行同步复制，可将 blob 或文件下载到本地内存，并将其上传到 Azure 存储。

在 Blob 存储内复制文件、文件存储内复制文件或者从 Blob 存储将文件复制到文件存储时，可使用此选项，反之亦然。

适用于： Blob、文件

其它

如果是上传或azure间复制，请修改对应的/source、/sourcekey、/sourcesas、/dest、/destkey、/destsas等参数的内容