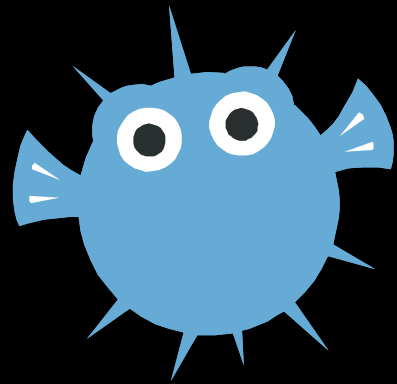


Effektiv och oändlig lagring i molnet

Peter von Lochow, Jayway

Magnus Mårtensson, Jayway



JAYWAY

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magnus.martensson@jayway.com | <http://blog.noop.se> | [@noopman](#)





Demo:
Windows
Azure
Storage
Queue

QueueDemos.cs X

```
using Microsoft.VisualStudio.TestTools.UnitTesting;
using Microsoft.WindowsAzure;
using Microsoft.WindowsAzure.StorageClient;

namespace Azure.Storage.Demos
{
    [TestClass]
    public class QueueDemos
    {
        CloudQueue cloudQueue;

        public const string QueueName = "demoqueue";

        [TestInitialize]
        public void Get_CloudQueue_Reference()
        {
            CloudStorageAccount cloudStorageAccount = CloudStorageAccount
                .Parse("UseDevelopmentStorage=true;" +
                    "DevelopmentStorageProxyUri=http://ipv4.fiddler");

            var cloudQueueClient = cloudStorageAccount.CreateCloudQueueClient();

            cloudQueue = cloudQueueClient.GetQueueReference(QueueName);
        }

        [TestMethod]
        public void Insert_one_message_in_one_queue() ...
    }
}
```

100 %

QueueDemos.cs X

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using Microsoft.VisualStudio.TestTools.UnitTesting;
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100 %

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            cloudQueue = cloudQueueClient.GetQueueReference(QueueName);
        }

        [TestMethod]
        public void Insert_one_message_in_one_queue()
        {
            var cloudQueueMessage = new CloudQueueMessage("Hello TechDays!");

            cloudQueue.AddMessage(cloudQueueMessage);
        }
    }
}
```

100 %

QueueDemos.cs X

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        }
    }
}
```

100 %

Web Sessions

#	Result	Protocol	Host	URL

Empty content area for the top inspector panel.

Find... View in Notepad

Empty content area for the bottom inspector panel.

Find... View in Notepad

Connect to ...



demoqueue

- Azure Storage
 - devstoreaccount1
 - Tables
 - Queues
 - demoqueue
 - Containers
 - Subscriptions

Queue "demoqueue" does not contain any messages. To add a new message please click "New Message" button from Toolbar below or press ALT+N key on your keyboard.

0 Messages
demoqueue
devstoreaccount1

Approximate Message Count
0



Connect to ...



- Azure Storage
- Development Storage
- Hosted Service

demoqueue

Queue "demoqueue" does not contain any messages. To add a new message please click "New Message" button from Toolbar below or press ALT+N key on your keyboard.

- devstoreaccount1
 - Tables
 - Queues
 - demoqueue
 - Containers
- Subscriptions

0 Messages
demoqueue
devstoreaccount1

Approximate Message Count
0



```
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            cloudQueue.AddMessage(cloudQueueMessage);
        }
    }
}
```

QueueDemos.cs x

```

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using Microsoft.WindowsAzure.StorageClient;

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                    "DevelopmentStorageProxyUri=http://inv4.fiddler");
        }
    }
}

```

Test Results

Magnus@MAGNUS2 2010-03-09: Run Debug [None] [All Columns]

Test run in progress Results: 0/1 passed; Item(s) checked: 0

Result	Test Name	Project	Error Message
In Progress	Insert_one_message_in_one_queue	Azure.Storage.Demos	

QueueDemos.cs

```

using Microsoft.VisualStudio.TestTools.UnitTesting;
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        {
            CloudStorageAccount cloudStorageAccount = CloudStorageAccount
                .Parse("UseDevelopmentStorage=true;" +
                    "DevelopmentStorageProxyUri=http://inv4.fiddler");
        }
    }
}

```

Test Results

Magnus@MAGNUS2 2010-03-09: Run Debug | Group By: [None] | [All Columns]

Test run completed Results: 1/1 passed; Item(s) checked: 0

Result	Test Name	Project	Error Message
Passed	Insert_one_message_in_one_queue	Azure.Storage.Demos	

Web Sessions

#	Result	Protocol	Host	URL
1	201	HTTP	127.0.0.1:10001	/devstorea

Empty content area for the top inspector panel.

Find... View in Notepad

Empty content area for the bottom inspector panel.

Find... View in Notepad

Web Sessions

#	Result	Protocol	Host	URL
1	201	HTTP	127.0.0.1:10001	/devstoreaccount1/demoqueue/messages?timeout=90

```
POST http://127.0.0.1:10001/devstoreaccount1/demoqueue/messages?timeout=90 HTTP/1.1
x-ms-version: 2009-09-19
x-ms-date: Tue, 09 Mar 2010 15:41:30 GMT
Authorization: Sharedkey devstoreaccount1:CS+2k0cgdQUdI/2BB8LLzJVvtYM+GcibuYa66t6rXpA=
Host: 127.0.0.1:10001
Content-Length: 117
Connection: Keep-Alive

<?xml version="1.0" encoding="utf-8"?><QueueMessage><MessageText>SGVsbG8gVGVjaERheXMh</MessageText></QueueMessage>
```

Response is encoded and may need to be decoded before inspection. Click here to transform.

```
HTTP/1.1 201 Created
Transfer-Encoding: chunked
Server: Windows-Azure-Queue/1.0 Microsoft-HTTPAPI/2.0
x-ms-request-id: 453eaaa6-4ac3-4c9c-aba2-189154da5b8f
x-ms-version: 2009-09-19
Date: Tue, 09 Mar 2010 15:41:31 GMT

0
```

#	Result	Protocol	Host	URL
1	201	HTTP	127.0.0.1:10001	/devstorea

Headers | TextView | WebForms | HexView | Auth | Raw | XML

```
POST http://127.0.0.1:10001/devstoreaccount1/demoqueue/messages?timeout=90 HTTP/1.1
x-ms-version: 2009-09-19
x-ms-date: Tue, 09 Mar 2010 15:41:30 GMT
Authorization: Sharedkey devstoreaccount1:CS+2k0cgdQUdI/2BB8LLzJVvtYM+GcibuYa66t6rXpA=
Host: 127.0.0.1:10001
Content-Length: 117
Connection: Keep-Alive

<?xml version="1.0" encoding="utf-8"?><QueueMessage><MessageText>SGVsbG8gVGVjaERheXMh</MessageText></QueueMessage>
```

Development Storage

File Help

Service management

Name	Status	Endpoint
<input checked="" type="checkbox"/> Blob	Running	http://127.0.0.1:10000/
<input checked="" type="checkbox"/> Queue	Running	http://127.0.0.1:10001/
<input checked="" type="checkbox"/> Table	Running	http://127.0.0.1:10002/

Start Stop Reset

View in Notepad

Click here to transform.

Caching Privacy Raw


Connect to ...



demoqueue

- Azure Storage
 - devstoreaccount1
 - Tables
 - Queues
 - demoqueue
 - Containers
 - Subscriptions

Queue "demoqueue" does not contain any messages. To add a new message please click "New Message" button from Toolbar below or press ALT+N key on your keyboard.


 0 Messages
 demoqueue
 devstoreaccount1

Approximate Message Count
0



Connect to ...



demoqueue

- Azure Storage
 - devstoreaccount1
 - Tables
 - Queues
 - demoqueue
 - Containers
 - Subscriptions

Queue "demoqueue" does not contain any messages. To add a new message please click "New Message" button from Toolbar below or press ALT+N key on your keyboard.

Refreshing messages

Please wait

0 Messages
demoqueue
devstoreaccount1

Approximate Message Count
0



Connect to ...



demoqueue

- Azure Storage
 - devstoreaccount1
 - Tables
 - Queues
 - demoqueue
 - Containers
 - Subscriptions

Message ID	Insertion Time	Expiration Time	Dequeue Count
a5ba39a1-e512-4bec-9dc9-42d85	2010-03-09 15:41:31	2010-03-16 15:41:31	0

1 Message
demoqueue
devstoreaccount1

Approximate Message Count
1

Connect to ...



demoqueue

- Azure Storage
 - devstoreaccount1
 - Tables
 - Queues
 - demoqueue
 - Containers
 - Subscriptions

Message ID	Insertion Time	Expiration Time	Dequeue Count
a5ba39a1-e512-4bec-9dc9-42d85	2010-03-09 15:41:31	2010-03-16 15:41:31	0

Message Viewer

demoqueue

Message ID: a5ba39a1-e512-4bec-9dc9-42d852ae4f23

Insertion Time: 2010-03-09 15:41:31

Expiration Time: 2010-03-16 15:41:31

Message:

Hello TechDays!

Navigation: [Previous] [Next] [First] [Last] [Close]

1 Message
demoqueue
devstoreaccount1

Approximate Message Count
1



<http://blog.jayway.com>



Tooling

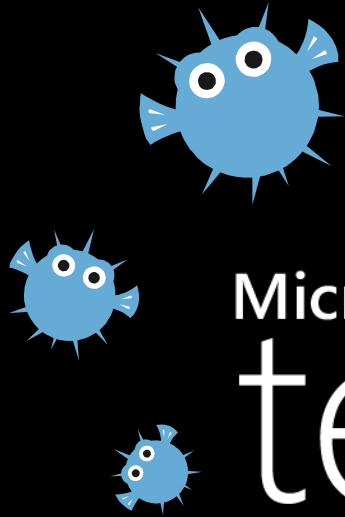
Windows Azure SDK

Windows Azure Tools for Visual Studio

CloudStorageStudio

Fiddler2





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