# Message Queue Fundamentals in .NET

**Module 7 Setup Instructions**

In Module 7 we set up cloud message queues with Azure and AWS, and send and receive messages using the .NET SDKs.

## Pre-requisites

The demo queries are delivered as LINQPad scripts.

LINQPad is a free download from <http://www.linqpad.net/>

You will need a cloud service account set up for AWS and Azure (free/trial subscriptions are fine).

Depending on how you install the .NET SDKs, you may need to change the reference paths in the LINQPad scripts.

## Running the Queries

For Azure:

* Set up a new Service Bus namespace, and create a queue called **test**
* View the Connection Information for the namespace to get your SAS connection string
* Replace the text “YOUR-CONNECTION-STRING” in the LINQPad scripts with your own connection string
* Run the **SendMessage** and **ReceiveMessage** LINQPad scripts and you can see the messages written to your queue in the Azure Portal.

For AWS:

* Create a new SQS queue and get the URL from the queue properties
* Navigate to Security Credentials (from the drop-down with your account name in the AWS Management Console), and create a new Access Key
* Copy the access key, secret key and queue URL into the LINQPad scripts, replacing “YOUR-ACCESS-KEY”, “YOUR-SECRET-KEY” and “YOUR-URL” values
* Run the **SendMessage** and **ReceiveMessage** LINQPad scripts and you can see the messages written to your queue in the AWS Management Console.