QLog

Quick logging for Windows Azure .NET applications

Version: 1.4

Quick start

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1. Set up storage account

In order to start using QLog first of all you will need to have active Azure Storage account. It is recommended that you create account especially for logs. In case when you are running cloud application through emulator – you just need to ensure that storage emulator is up and running.

2. Add references

Add **QLog.dll** reference to your project. Either via NuGET, or by manually adding it to your project. In order to allow QLog to run, you will need to add following references:

System.Configuration.dll, **System.Web.dll**, **Microsoft.WindowsAzure.ServiceRuntime.dll**,

Microsoft.WindowsAzure.Storage.dll (obtain it via NuGET).

3. Add configuration settings

First of all you need to provide the connection string to the storage account:

```
<add name="QLogDataSource" connectionString="----" />
```

If you are using local emulator enter as connectionString "UseDevelopmentStorage=true". Otherwise, use following connection string pattern:
"DefaultEndpointsProtocol=http;AccountName=MyAccountName;AccountKey=MyAccount Key"

After adding connection string you should add application settings that will set up logger. It is recommended that you set up them not only in web.config file, but also in cloud configuration settings, so you can change them "on-fly" without need of redeploying application. To enable logging providing area setting and turn on asynchronous logging, so QLog won't slow down user request processing:

```
<add key="QLogArea" value="QTrace"/>
<add key="QLogAsync" value="All"/>
```

4. Modify global.asax

You can modify your HttpApplication or MvcApplication to inherit from QLogHttpApplication. This will set up all events related to logs processing. You can do this by modyfing the global.asax file and changing the following sample line:

```
public class MvcApplication : System.Web.HttpApplication
```

To the:

```
public class MvcApplication : QLogHttpApplication
```