

Azure Storage Server Explorer

Janne Kemppe
2015

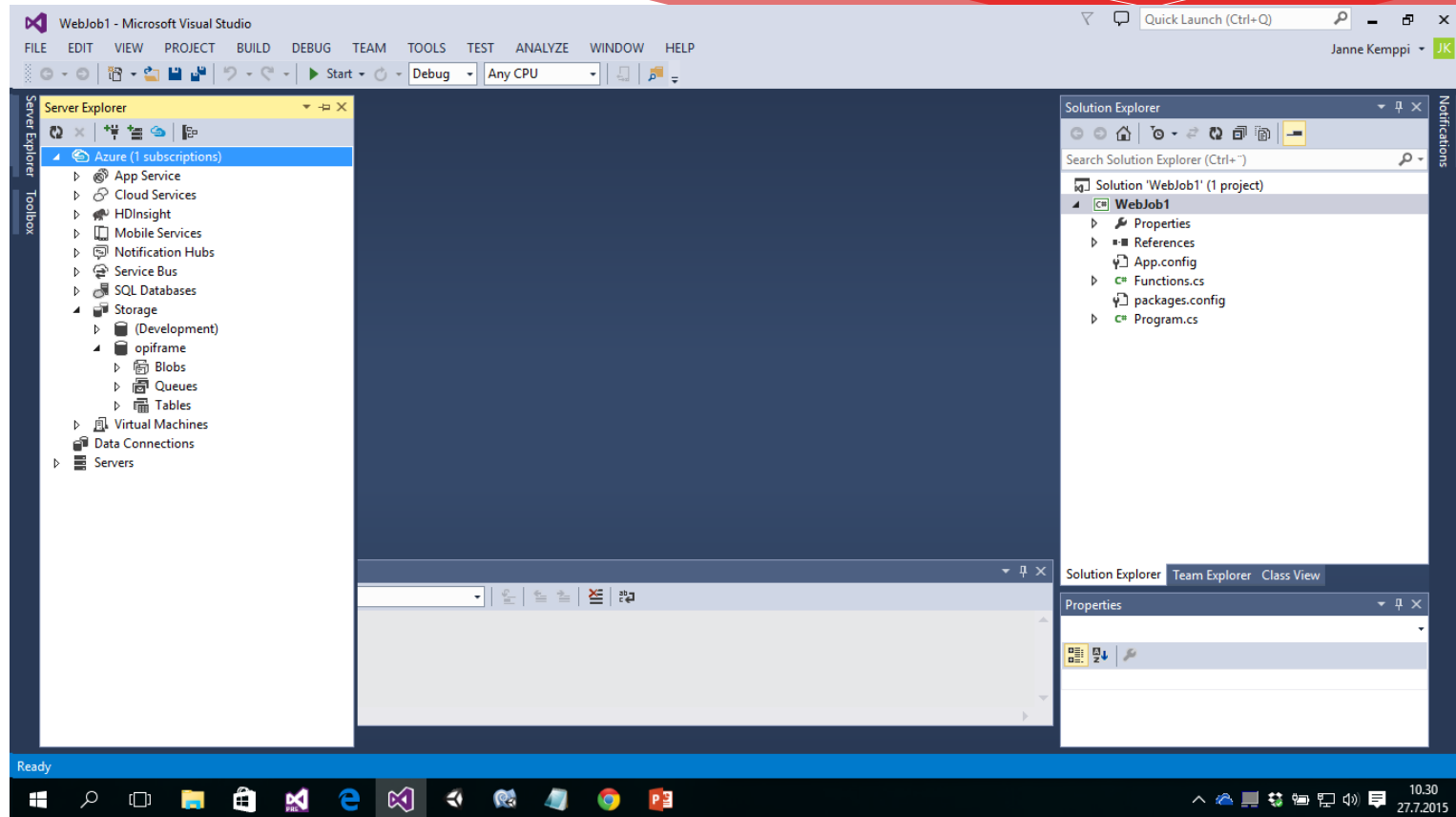


opiframe

Server Explorer

- * **Azure SDK uses Server Explorer of Visual Studio to control Azure assets.**
- * Ohjattu Harjoitus: Taking Storage Account to use in Visual Studio.
 - * 1) Start Server Explorer and open Azure Node
 - * 2) Select Storage Node and open Storage Account you want to use.

Server Explorer



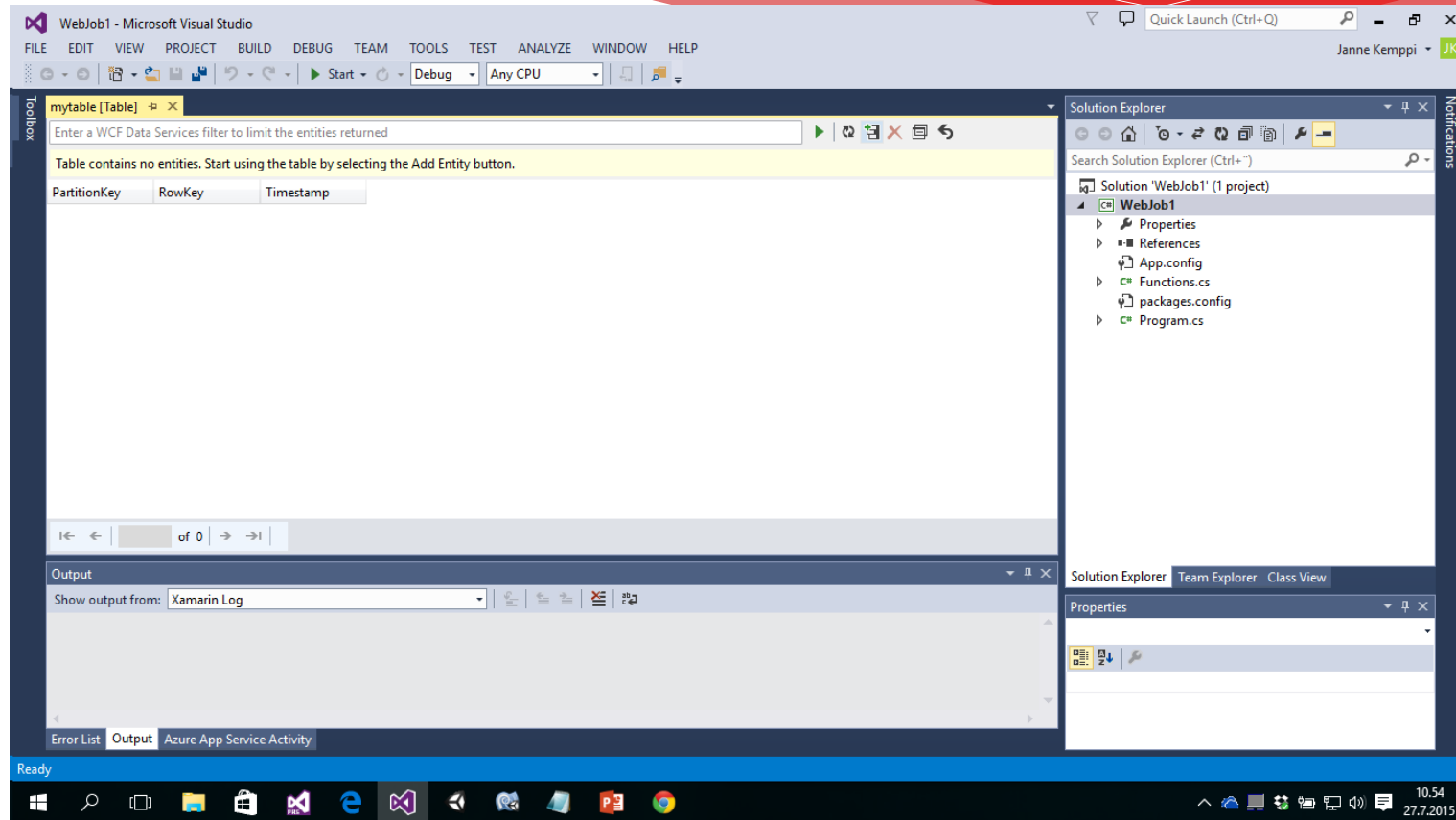
Server Explorer

- * Typically there is a need to create temporary storage accounts during software projects
- * Visual Studio can be used to create Storage Accounts
 - * 1) In "Storage" select "Create Storage Account..."
 - * Naming limitations exist → use lower case
 - * 2) Use Azure Portal to check out new Storage Account
 - * 3) Open both Blobs and Tables to find performance and diagnostics information in \$logs and Metrics Tables

Tables

- * **Azure Storage Tables are most common entity used with Azure Storage.**
- * Create a new table in Visual Studio as following:
 - * 1) Go to Tables of your Storage Account and select "Create Table..."
 - * 2) Once Table has been ceated select it and choose "View Table"
 - * 3) Select Add Entity button and give values to PartitionKey and RowKey and then add a new Property with a value.
 - * 4) Find out how you can refresh the table (f5)

Tables



Tables

WebJob1 - Microsoft Visual Studio

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST ANALYZE WINDOW HELP

Quick Launch (Ctrl+Q) Janne Kemppe JK

mytable [Table]

Enter a WCF Data Services filter to limit the entities returned

PartitionKey	RowKey	Timestamp	Cat
Kemppi	Janne	27.7.2015 7:59:41	Sanna
Kemppi	Janne2	27.7.2015 8:04:09	Sari

of 2

Azure App Service Activity

Publish: [button]

Overall status [progress bar]

View Details

Error List Output Azure App Service Activity

Solution Explorer

Search Solution Explorer (Ctrl+)

Solution 'WebJob1' (1 project)

- WebJob1
 - Properties
 - References
 - App.config
 - Functions.cs
 - packages.config
 - Program.cs

Properties

Ready

11:04 27.7.2015

Tables

- * **Data queries are often necessary with Azure Storage Tables.**
- * Select table to be queried.
 - * 1) Use Query Builder button in table to build a query clause.
 - * 2) Select Execute button to run query.
- * Note: Query Builder uses OData query syntax.
 - * See also: <http://www.odata.org/>
 - * <https://msdn.microsoft.com/en-us/library/ff478141.aspx>

Tables

WebJob1 - Microsoft Visual Studio

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST ANALYZE WINDOW HELP

Start Debug Any CPU

mytable [Table]

PartitionKey eq 'Kempfi' and RowKey eq 'Janne'

PartitionKey RowKey Title

Kempfi Janne 27.

Query Builder

Create a query using the operators below.

And/Or	Property Name	Operator	Value
And	PartitionKey	Equal To	Kempfi
And	RowKey	Equal To	Janne

Add Clause

Query:

PartitionKey eq 'Kempfi' and RowKey eq 'Janne'

OK Cancel

Output

Show output from: Xamarin Log

Error List Output Azure App Service Activity

Ready

27.11.2015

Queues

- * **Queues (and associated messages) are typically created for testing purposes.**
- * Queues and messages can be added in Visual Studio as following:
 - * 1) Go to Queues and select "Create Queue..."
 - * 2) Go to newly created queue and add a new message via "Add Message" button.
 - * 3) Add several new messages and look at their information fields.
 - * 4) Find "dequeue first message" and "clear queue" buttons that are used to manipulate the queue.

Queues

The screenshot displays the Microsoft Visual Studio interface for a project named 'WebJob1'. The 'myqueue [Queue]' window is open, showing a table of messages:

Id	Message Text Preview	Size	Insertion Time (UTC)	Expiration Time (UTC)	Dequ
1de55f09-feb8-44ad-a1f7-f740a611dba0	First message	20 bytes	27.7.2015 8.52.17 +00:00	3.8.2015 8.52.17 +00:00	0
6e1cff4b-478f-4a0a-bac1-780cbc930824	second message	20 bytes	27.7.2015 8.52.26 +00:00	3.8.2015 8.52.26 +00:00	0

Below the table, it indicates '2 of 2 messages. [More information on queue message count.](#)'

The 'Output' window shows 'Show output from: Xamarin Log'. The 'Solution Explorer' on the right shows the project structure for 'WebJob1' (1 project):

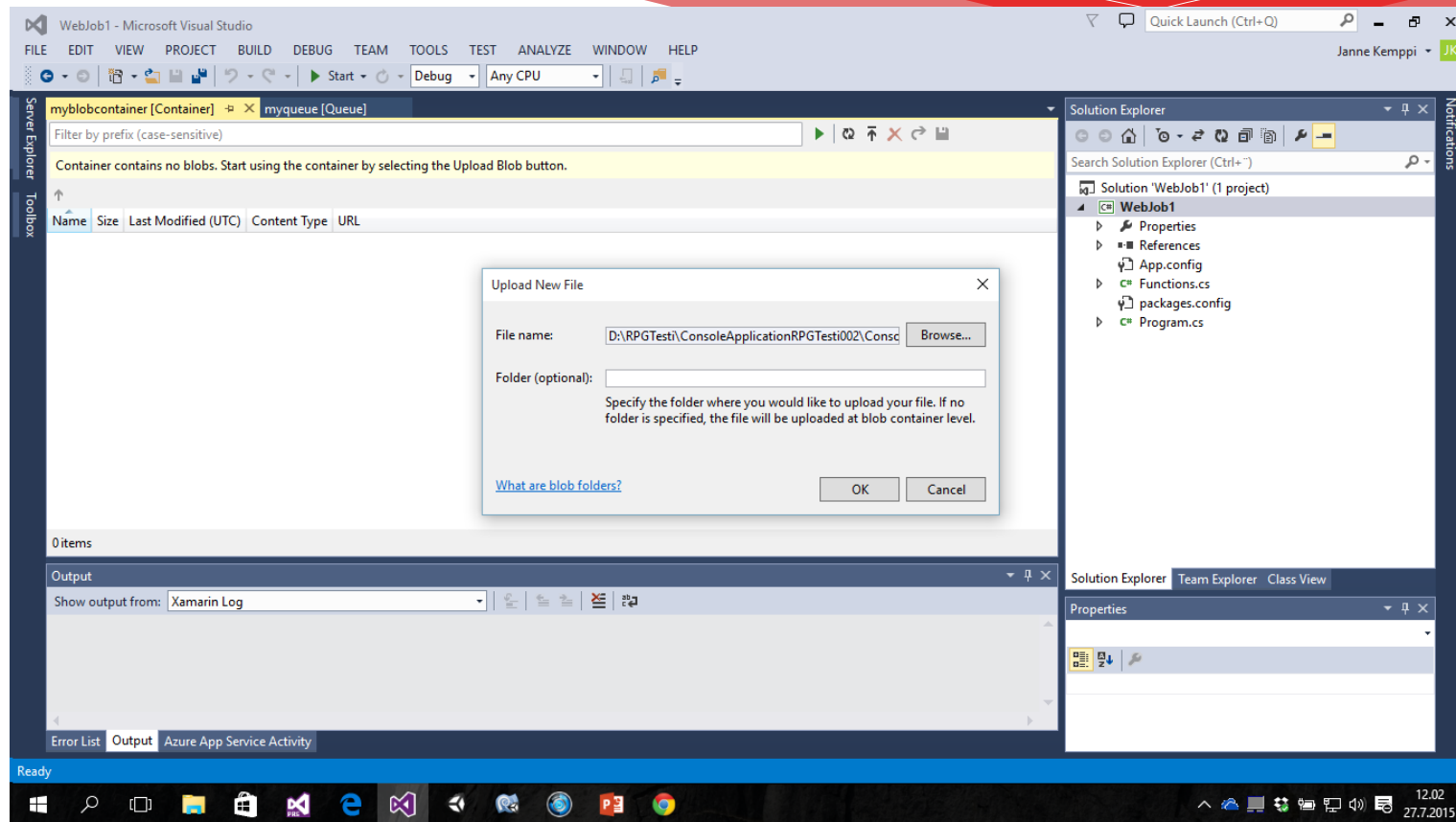
- Properties
- References
- App.config
- Functions.cs
- packages.config
- Program.cs

The status bar at the bottom indicates 'Ready' and the system clock shows '11:53 27.7.2015'.

Blobs

- * **Blobs are used to store binary based data (typically picture) in Azure Storage Services.**
- * Visual Studio is used to create blobs as following:
 - * 1) Go to a Blob and select "Create Blob Container..."
 - * 2) Go to newly created blob container and add a new blob via "Upload Blob" button.
 - * 3) Add several new blobs and look at their information fields.
 - * 4) Find URL of both storage account and blobs you have created
<storage account name>.blob.core.Windows.net/<blob container name>/<name of the blob>
 - * This URL can be used to directly access blob wherever one needs it.

Blobs



Questions?