



Microsoft Interop @ QCon Java and Ruby on Windows Azure



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ukinterop.cloudapp.net

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MICROSOFT INTEROP @ QCON

Java Edition

WELCOME TO MICROSOFT INTEROPERABILITY @ QCON 2010!

The Microsoft UK Interop team will be [QCON 2010](#) to show off the interoperability characteristics of the Microsoft Development Platform from the development tools and language support from the server to the cloud!

If you're at QCON come and tell us why you think Microsoft is or isn't taking interoperability seriously!

If you're not or you're shy then just write your comments down here and we'll let you know what we think by return!

Visit us @ [QCON](#): booth 14 at the QEII Conference centre from 10-12 March. Or follow us on Twitter: [#MSOCON](#)

This site is written in Java and hosted on the Windows Azure Platform. We also have great support for PHP, Ruby and many other development languages and tools. We've also started to build a [Ruby on Rails](#) version of the site if you prefer!

Does Microsoft take interoperability seriously? You bet and we're here to prove it! If we do or if we don't, then just tell us!

Microsoft is serious about interoperability because:

RESOURCES

- [Interop Team Blog](#)
- [Interop Vendor Alliance](#)
- [Microsoft.com/Interop](#)
- [Microsoft.com/Interop](#)
- [Channel9 Interoperability](#)
- [Document Interop Initiative \(DI\)](#)
- [Port25](#)

PROJECT TAGS

- [.NET Framework](#)
- [Azure](#)
- [Bing](#)
- [Eclipse](#)
- [HTML5](#)
- [Identity](#)
- [Java](#)
- [ODF](#)
- [OpenXML](#)
- [PHP](#)
- [REST](#)
- [Ruby](#)
- [Silverlight](#)
- [UOF](#)
- [Web Services](#)
- [WSRP](#)

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Windows® Azure™

Java™ GET POWERED. ukinterop.cloudapp.net

- Written in Java using the Restlet framework
- Uses Windows Azure Queues and Tables for Storage
- Running in Windows Azure Compute

Demo..

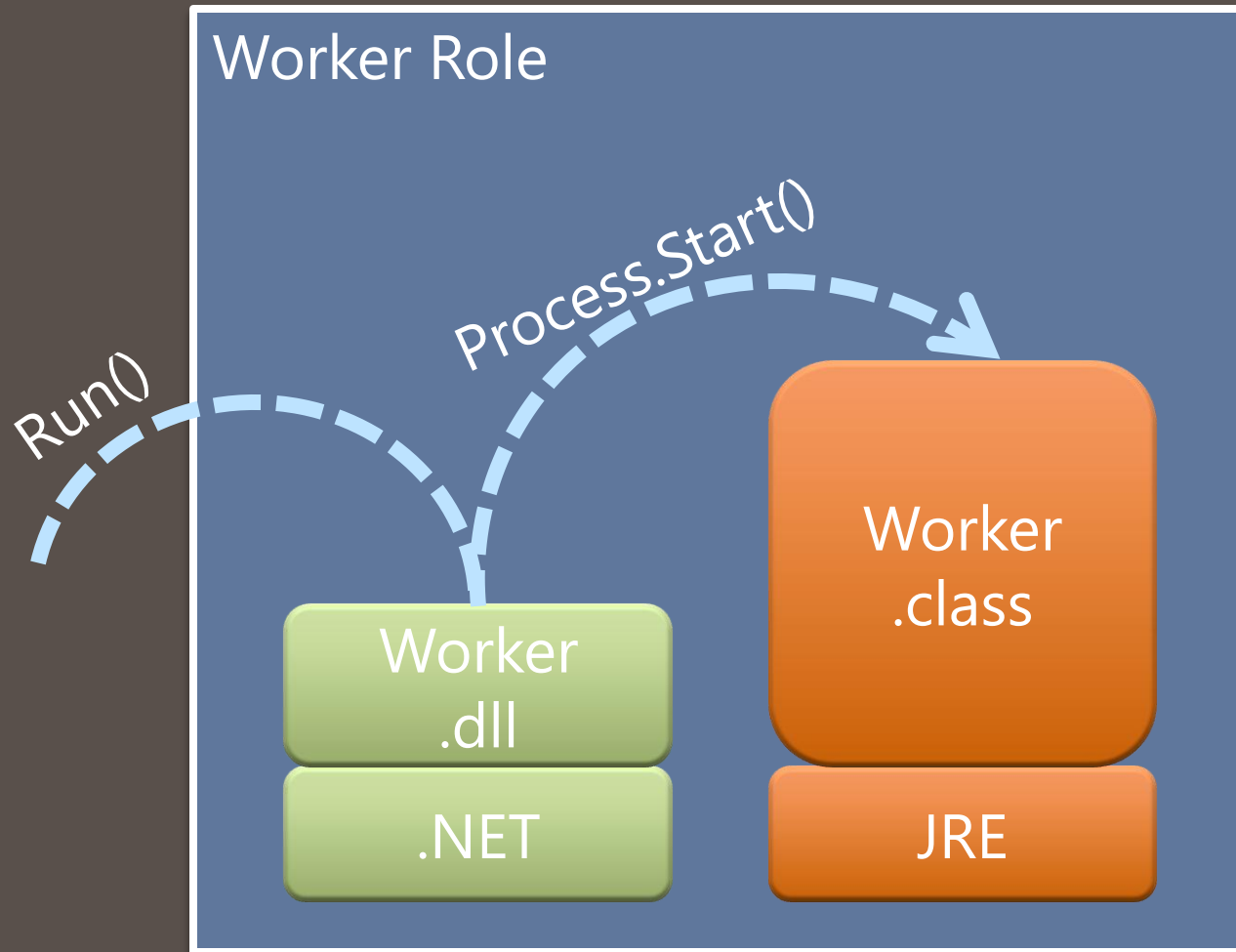


rubykinterop.cloudapp.net

- Work in Progress ...
- Written in Ruby on Rails
- Uses Windows Azure Queues and Tables for Storage
- Running in Mongrel on Windows Azure Compute

[Demo..](#)

Anatomy of a Java Worker Role



Azure RunMe

- <http://azurerunme.codeplex.com>
- Allows Java apps to run on Windows Azure (or Ruby, Python ... etc)
- Just ZIP your app and put it in Blob storage
- Your app must
 - run on Windows as non-admin user
 - be self contained
 - have no traditional install or setup
 - “Run from a BAT file”

C:\code\ukinterop\trunk\Trace\JavaQueueProcessor\TraceConsole.exe

```

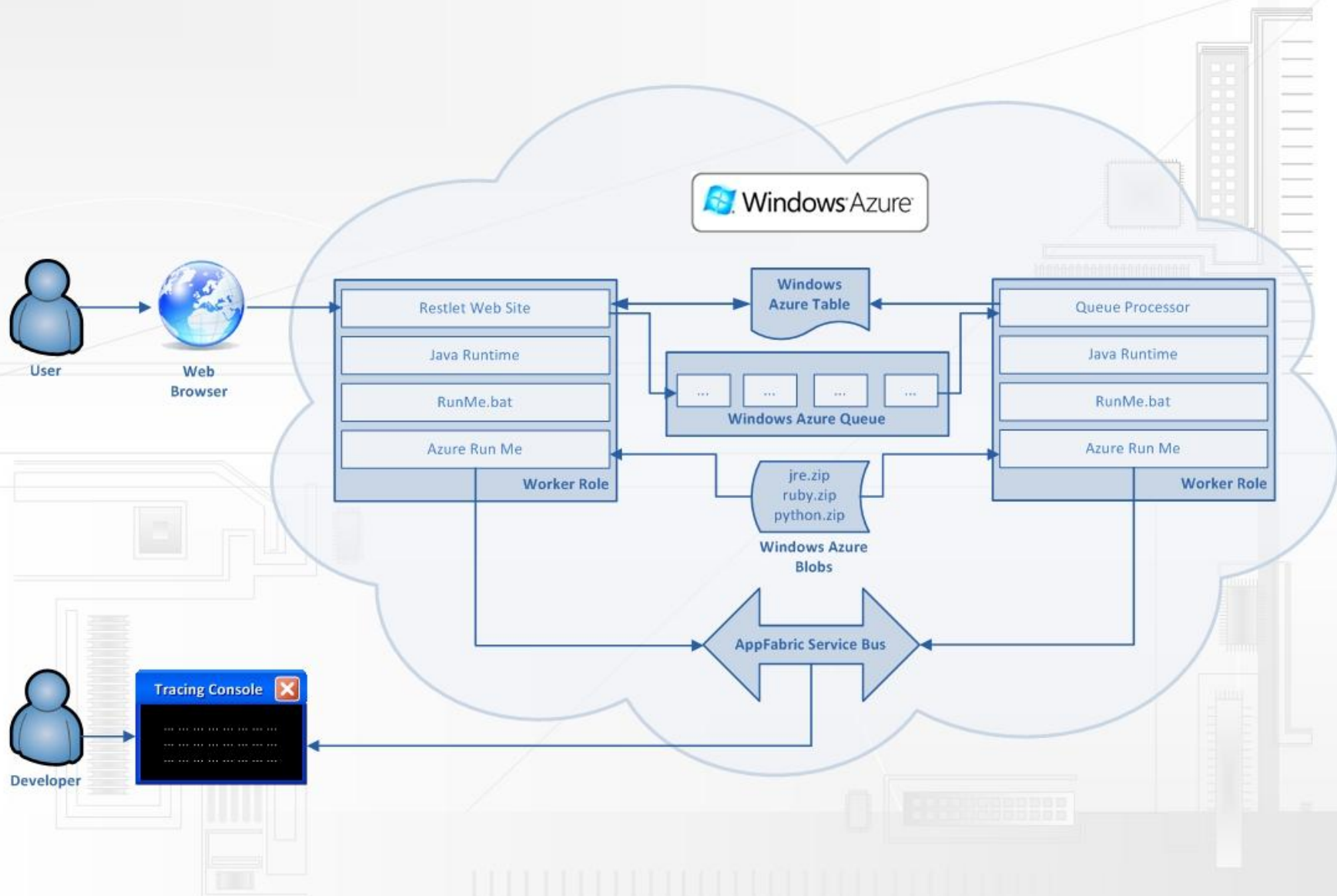
CloudTrace Console
Connecting ...
Connected To: sb://robblackwell.servicebus.windows.net/samples/trace2/
Hit [Enter] to exit
Information WorkerRole entry point called
Information Downloading jre.zip from packages
Information Extracting jre.zip
Information Extraction finished
Information Downloading javaqueueprocessor.zip from packages
Information Extracting javaqueueprocessor.zip
Information Extraction finished
Information InstanceEndpoint Port=20000
Information Start Process E:runme.bat 20000
Information Process 1564
Information
Information E:\approot>cd JavaQueueProcessor
Information
Information E:\approot\JavaQueueProcessor>..\jre\bin\java -cp QueueProcessor.jar
;lib\* QueueProcessor
Information INFO: Checking queue...

```

WindowsAzure4j

- <http://www.windowsazure4j.org/>
- Allows Java apps to access Windows Azure Storage.





Conclusions

- Windows Azure Compute and Storage is interoperable with Java. (& Ruby, Python etc).
- Windows Azure actually **makes sense** for some Java apps
- Resources:
 - <http://www.windowsazure4j.org/>
 - <http://azurerunme.codeplex.com>
- Let us have your feedback
 - <http://ukinterop.cloudapp.net>