

## Node.js usage base on Microsoft Azure

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<http://about.me/clonn> 

# TODAY

- build a simple Node.js web
- deploy Azure
- learn Realtime
- build a structure



Node.js  
Taiwan



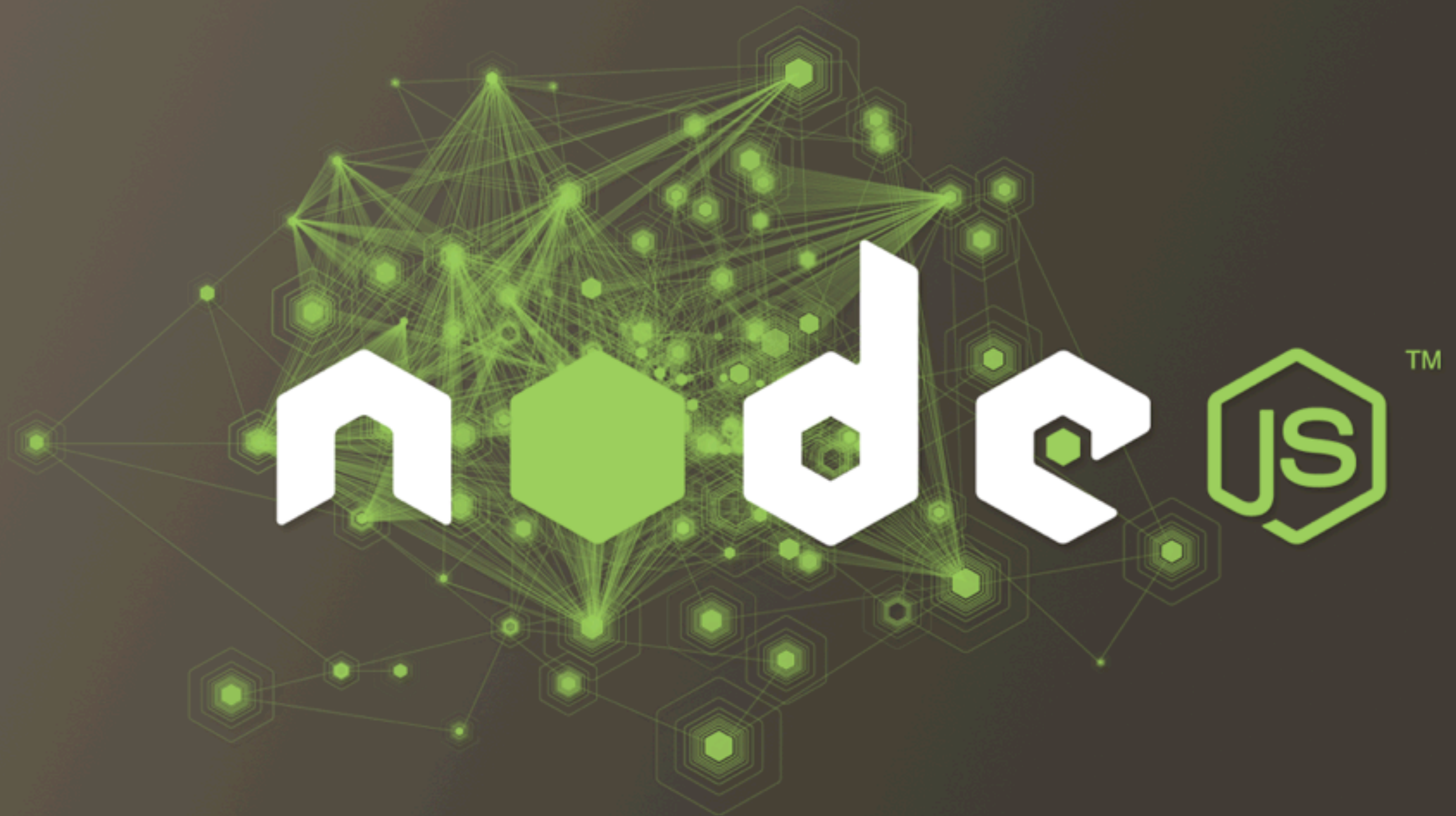
Caesar Chi

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clonncd







[http://www.oreilly.com.tw/product2\\_web.php?id=a238](http://www.oreilly.com.tw/product2_web.php?id=a238)



# Apache(nginx) + PHP

V8 Engine

Javascript



**It is another topic.**





**Node.js is cross platform language**



# NVM

<https://github.com/creationix/nvm>

# NVM INSTALLATION

## STEP 1

```
git clone  
git://github.com/creationix/nvm.git  
~/nvm
```

## STEP 2

```
• ~/nvm/nvm.sh
```



# NVM安裝NODE.JS

# NVM INSTALL NODE.JS



NVM INSTALL  
<VERSION>

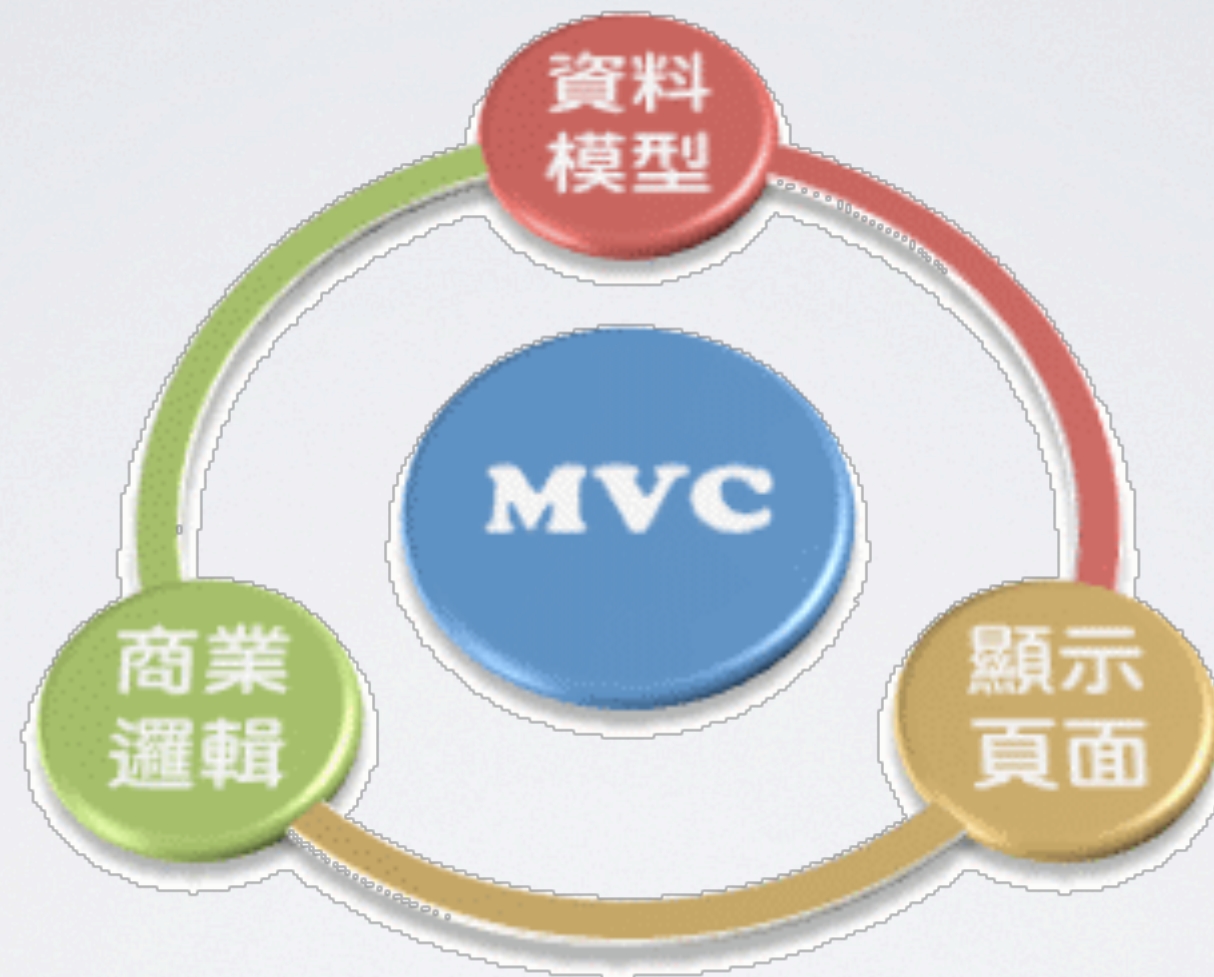
NVM USE <VERSION>



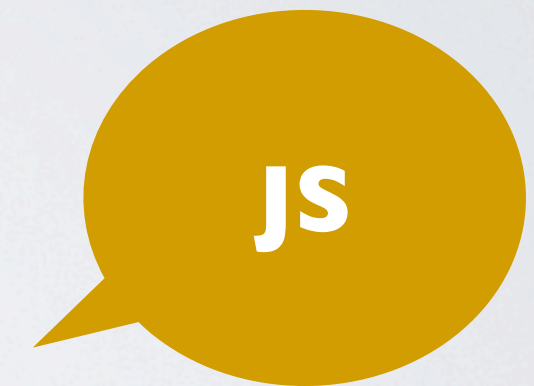
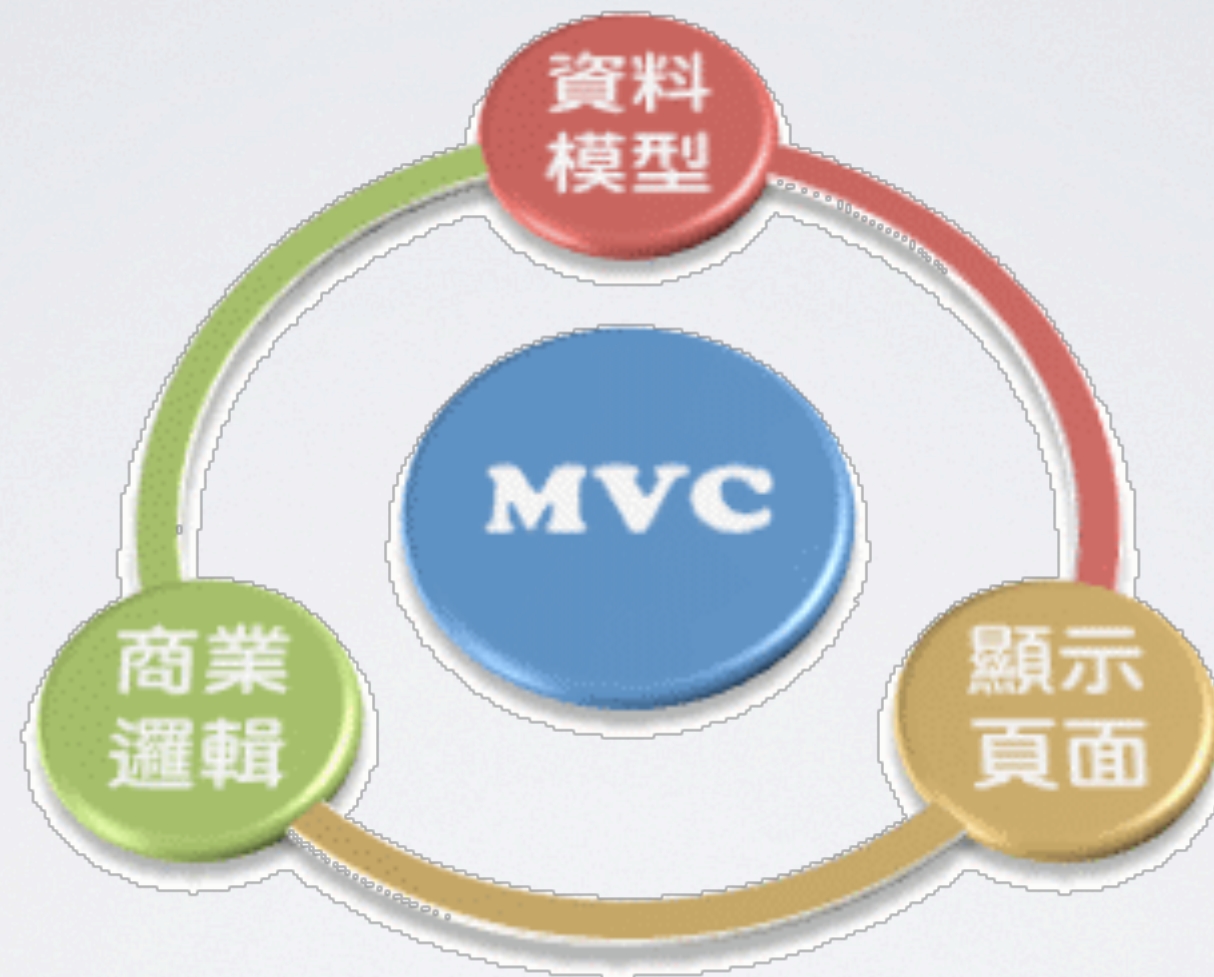
NVM ALIAS DEFAULT  
<VERSION>

# **Web develop mode**









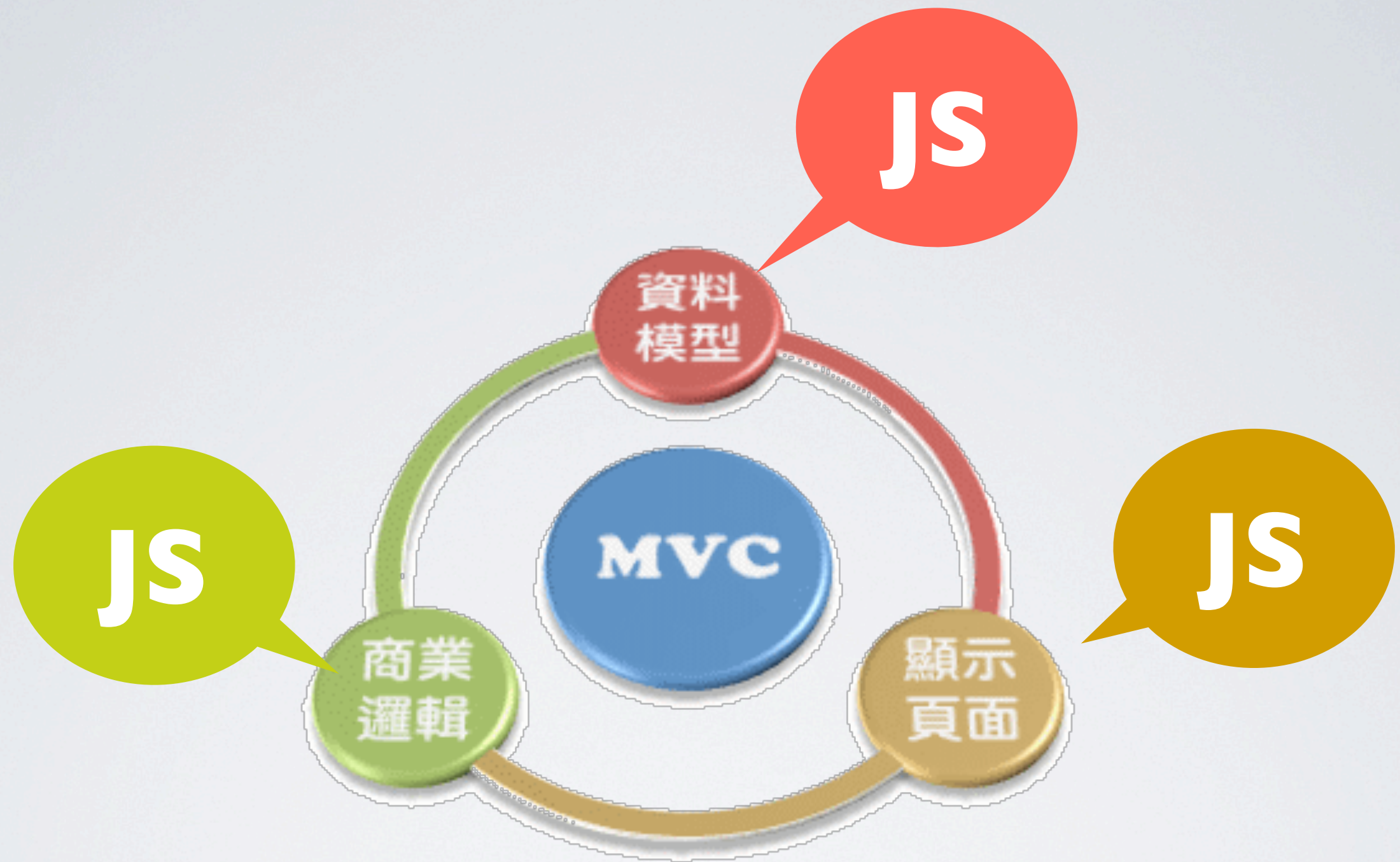


資料  
模型







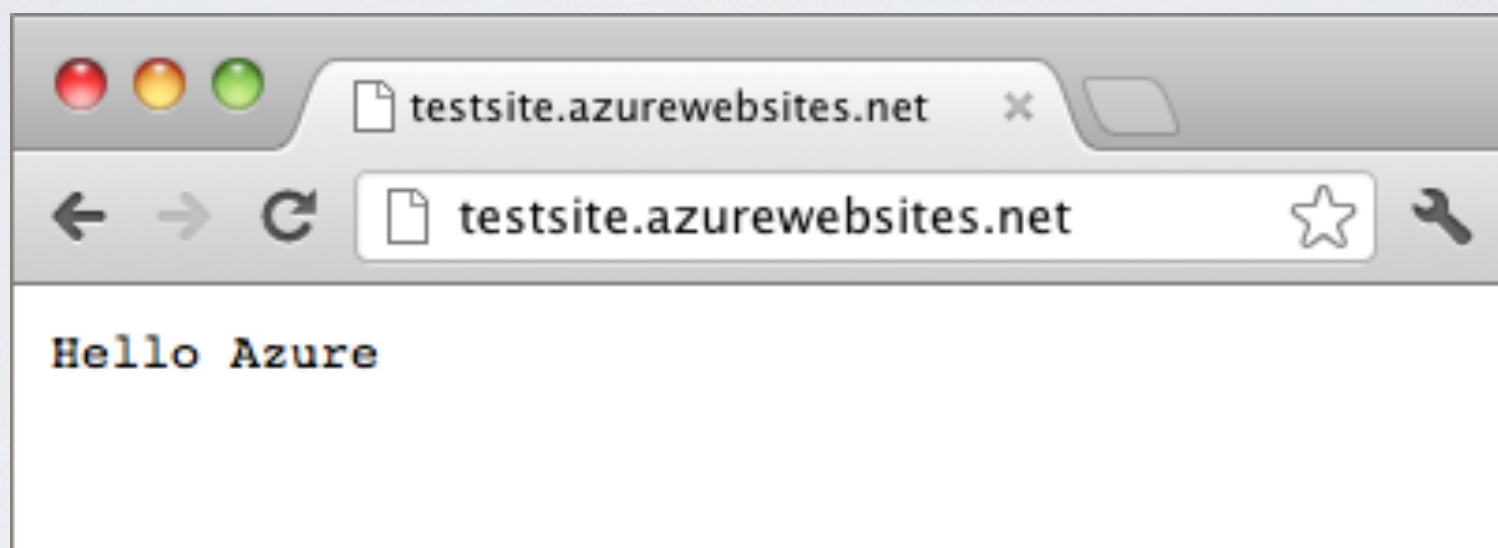


# OUR GOAL

- build a simple Node.js web
- deploy Azure
- learn Realtime
- build a structure



# OUR GOAL



# WINDOWS AZURE


- [manage.windowsazure.com/](https://manage.windowsazure.com/)








# WINDOWS AZURE


**NEW**


WEB SITE


VIRTUAL MACHINE


CLOUD SERVICE


SQL DATABASE


STORAGE

NETWORK

MEDIA SERVICE

QUICK CREATE

CREATE WITH DATABASE

FROM GALLERY


URL

.azurewebsites.net

REGION

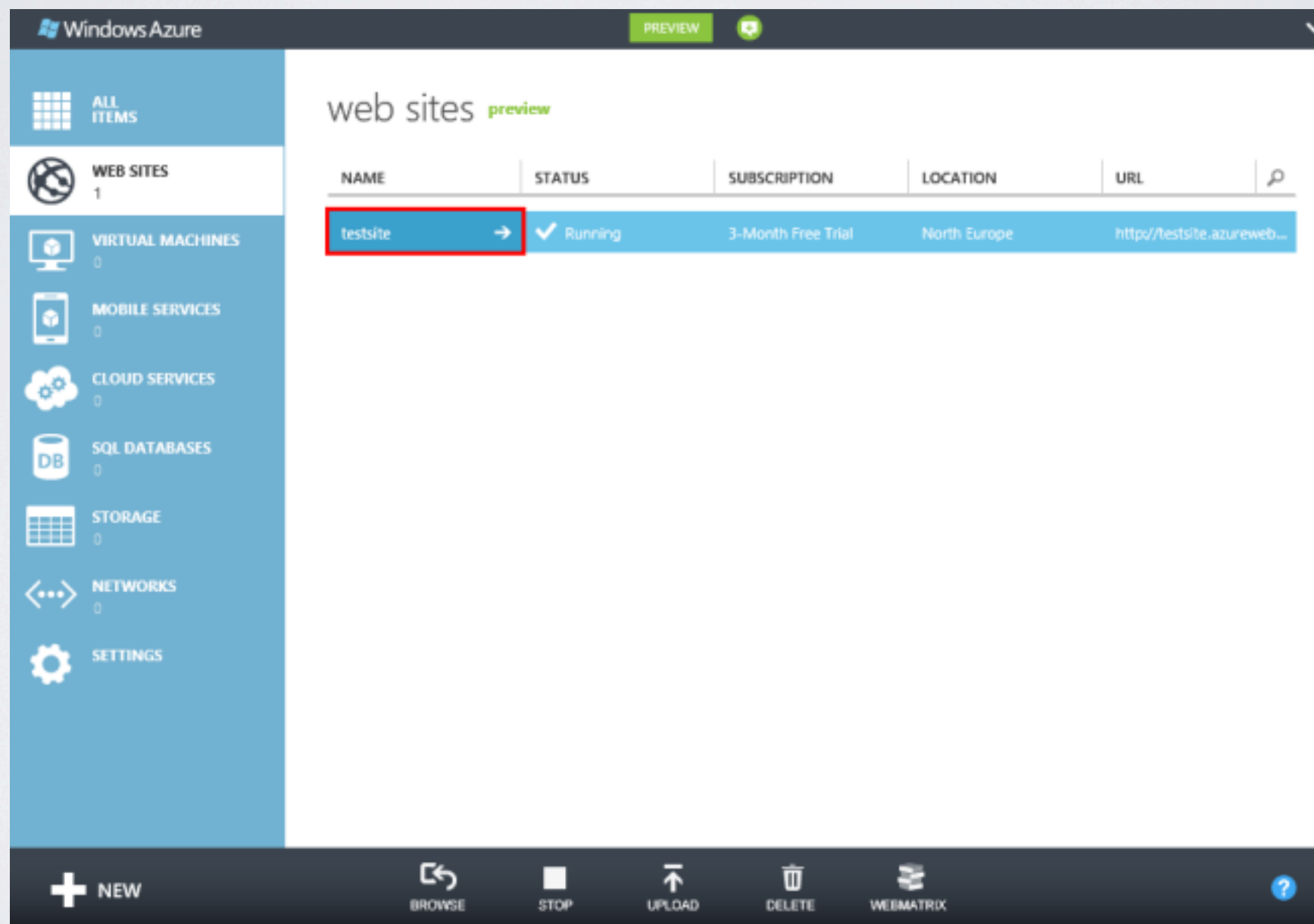
East US

▼

CREATE WEB SITE 

# WINDOWS AZURE

- click



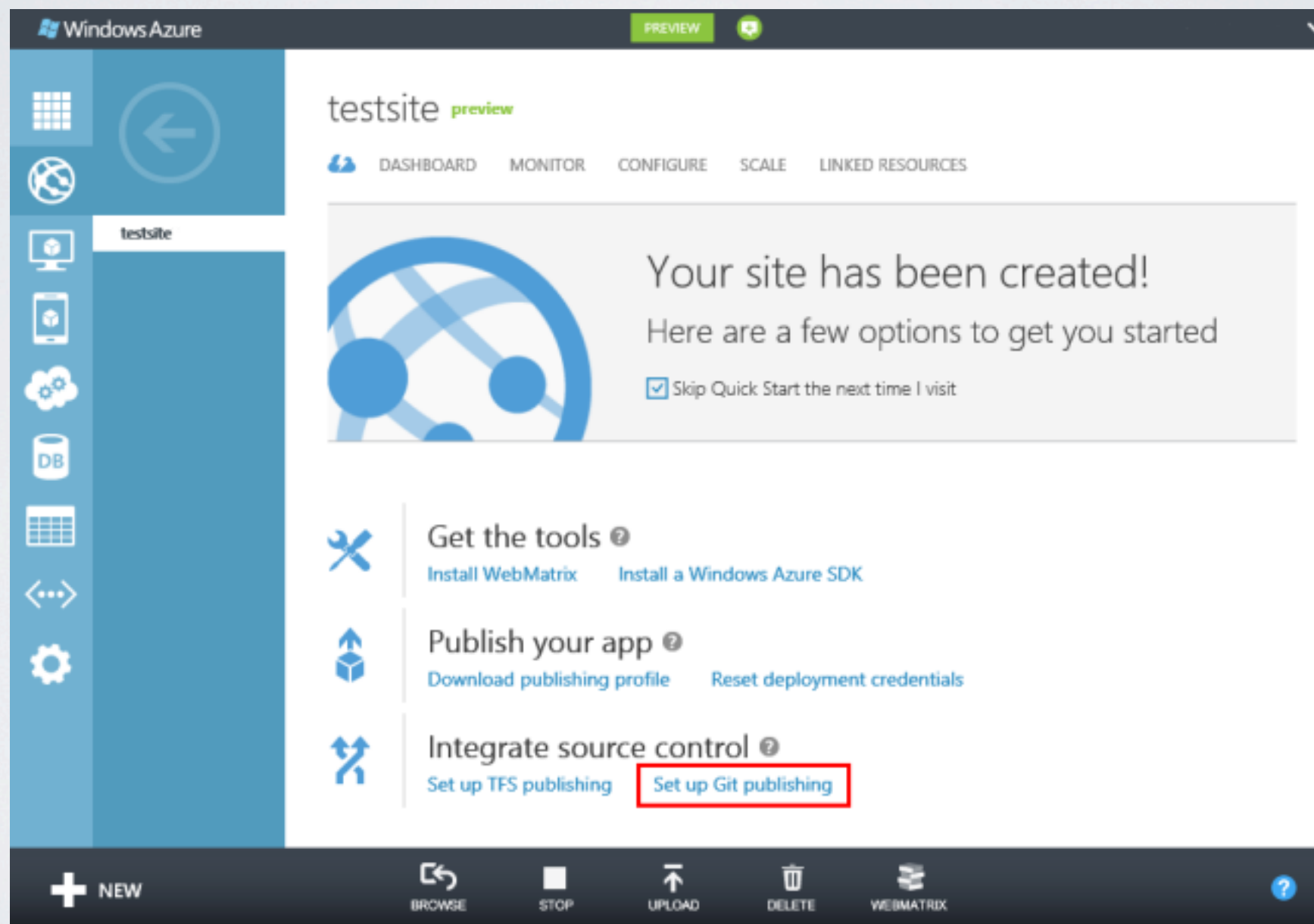
The screenshot shows the Windows Azure portal interface. On the left is a navigation pane with icons and labels for 'ALL ITEMS', 'WEB SITES 1', 'VIRTUAL MACHINES 0', 'MOBILE SERVICES 0', 'CLOUD SERVICES 0', 'SQL DATABASES 0', 'STORAGE 0', 'NETWORKS 0', and 'SETTINGS'. The main area is titled 'web sites preview' and contains a table with the following columns: NAME, STATUS, SUBSCRIPTION, LOCATION, and URL. A single row is visible with the name 'testsite', status 'Running' (indicated by a checkmark), subscription '3-Month Free Trial', location 'North Europe', and a URL starting with 'http://testsite.azureweb...'. The 'testsite' name in the first column is enclosed in a red rectangular box. A red arrow points from this box to the right-pointing arrow icon located between the 'NAME' and 'STATUS' columns. At the bottom of the interface is a dark bar with icons for '+ NEW', 'BROWSE', 'STOP', 'UPLOAD', 'DELETE', 'WEBMATRIX', and a help icon (question mark).

| NAME     | STATUS    | SUBSCRIPTION       | LOCATION     | URL                         |
|----------|-----------|--------------------|--------------|-----------------------------|
| testsite | ✓ Running | 3-Month Free Trial | North Europe | http://testsite.azureweb... |



# WINDOWS AZURE

- click



# WINDOWS AZURE

- auth then

×

New user name and password


Git and FTP cannot use your Live ID to authenticate, so this dialog lets you specify a user name and password that can be used when using those technologies.

This user name and password can be used to deploy to any web site in your subscription, meaning that you do not need to set credentials for every web site you create.

USER NAME

NEW PASSWORD

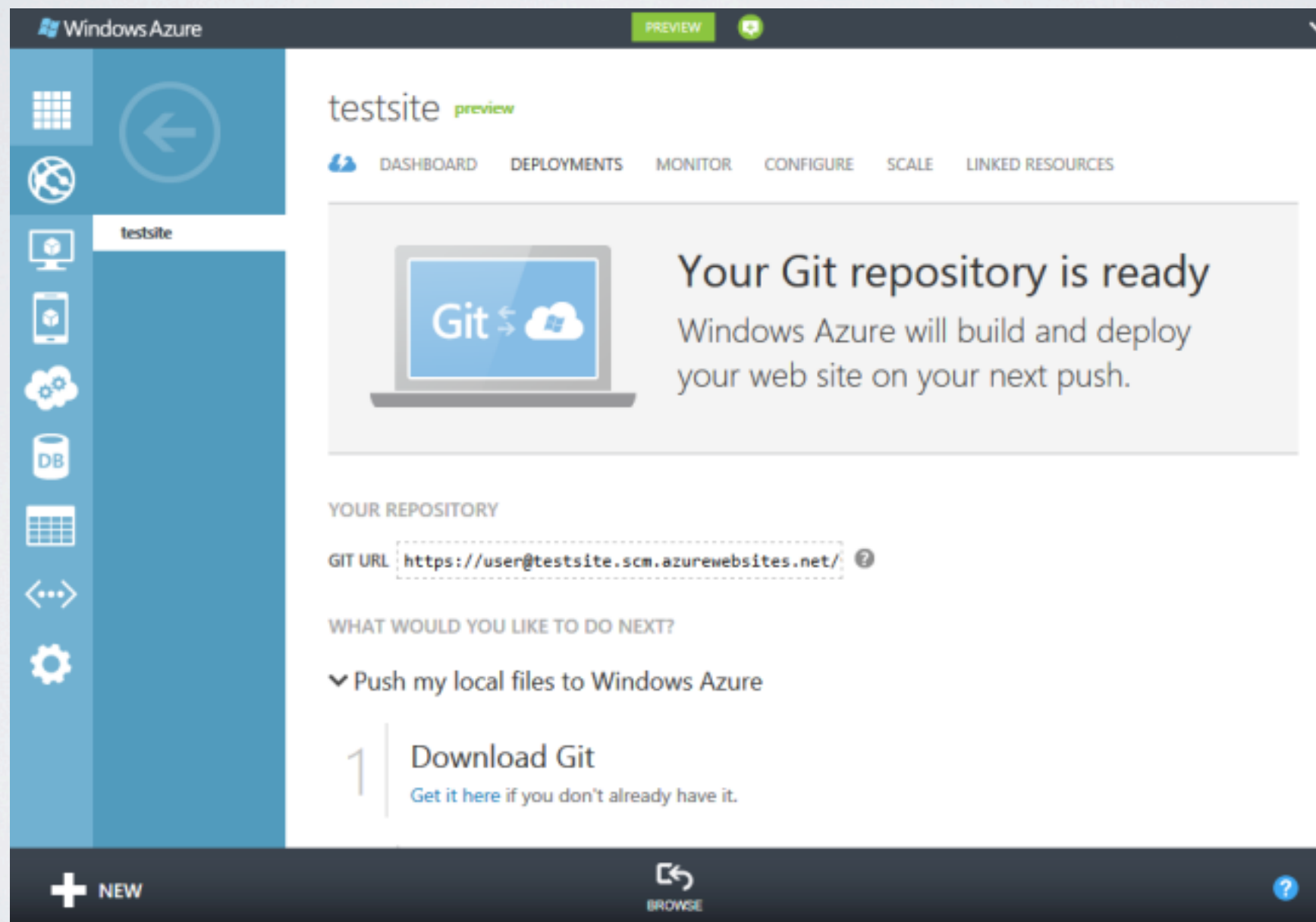
CONFIRM PASSWORD





# WINDOWS AZURE

- git info



# WINDOWS AZURE

- code

```
var http = require('http')
var port = process.env.PORT || 1337;
http.createServer(function(req, res) {
  res.writeHead(200, { 'Content-Type': 'text/plain' });
  res.end('Hello World\n');
}).listen(port);
```

<http://goo.gl/v5Rqq>



# WINDOWS AZURE

- localhost test
- git commit
- git push
- deployed

# DEMO

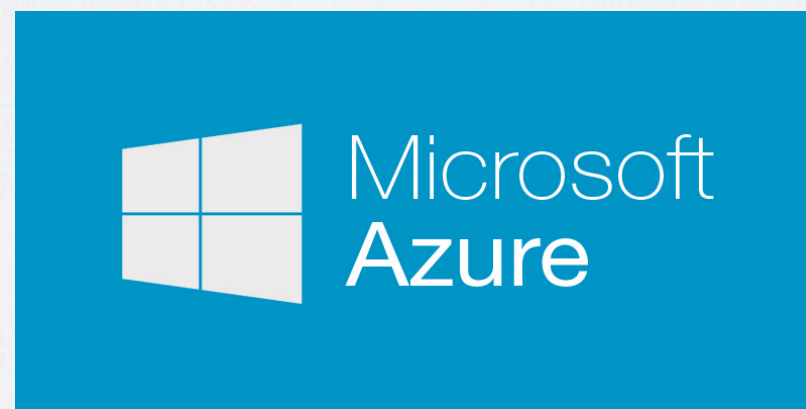




<http://graph.facebook.com/Boo/photos?type=uploaded>



<http://graph.facebook.com/Boo/photos?type=uploaded>





# DEMO



# AZURE CLI

- Azure cli - User authorized

```
azure account download
```

```
azure account import <path-to-file>
```

```
azure site create project --git
```



# AZURE CLI

- localhost test
- git commit
- git push
- deployed

# AZURE DEPLOY FROM EXAMPLE

```
git clone --branch mongo-todo  
git@github.com:clonn/node-demo.git
```

copy from Windows Azure



# AZURE DEPLOY FROM EXAMPLE

git clone --branch mongo-todo git@github.com:clonn/node-demo.git

```
cd node-demo
```

```
git add remote azure AZURE_URL
```

```
git push azure master
```

```
go check Windows Azure
```

# STORAGE

- mongoDB - by your own
- MongoHQ  
[mongohq.com](http://mongohq.com)
- MongoLab  
[mongolab.com/](http://mongolab.com/)







Microsoft  
Azure

**with Node.js**

<https://github.com/Azure/azure-sdk-for-node>





Microsoft  
Azure

**with Node.js**



<http://2014.jsdc.tw/>





<https://ticket.aotter.net/76>



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[HTTPS://GITHUB.COM/  
CLONN/AZURE-TOUR-  
STUDY4TW](https://github.com/CLONN/AZURE-TOUR-STUDY4TW)