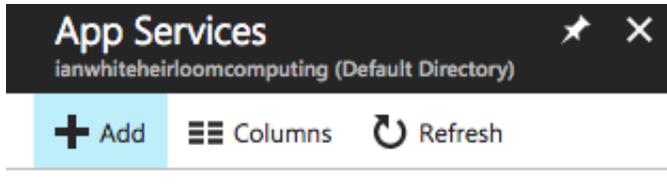


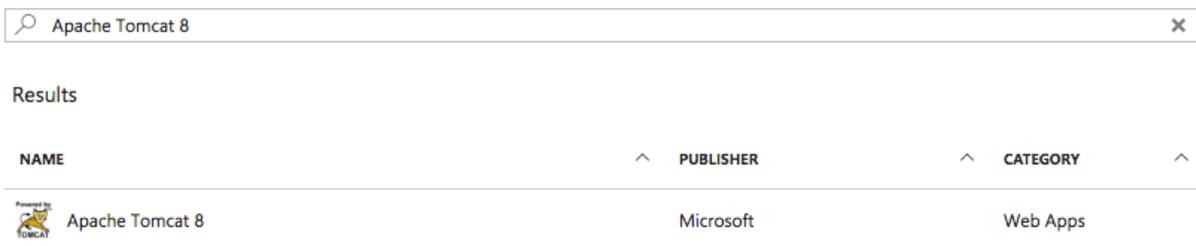
# 1. Configuring Azure and EBP for a simple demo

These steps assume you already have an Azure subscription and at least familiarity with the Azure portal.

Create a new App Service



Search for Apache Tomcat 8



Click Apache Tomcat 8 and then click 'Create' on right hand side  
Name the app and either use an existing resource group or choose a new one

\* App name  
 ✓  
 .azurewebsites.net

\* Subscription  
 ▼

\* Resource Group ⓘ  
 Create new  Use existing

▼

---

\* App Service plan/Location >  
 ServicePlan5f4955e2-aa9f(South ...)

---

Application Insights ⓘ

Click Create

Wait a certain amount of time until the application is up.

If the application profile screen does not appear you can bring it up by clicking on the app in your resources list

Click Deployment credentials and set up a username and password:

Search (Ctrl+/)

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

DEPLOYMENT

- Quickstart
- Deployment credentials

Save Discard

New name and password

Git and FTP can't authenticate using the account you're signed in with, so create a new user name and password to use with those technologies

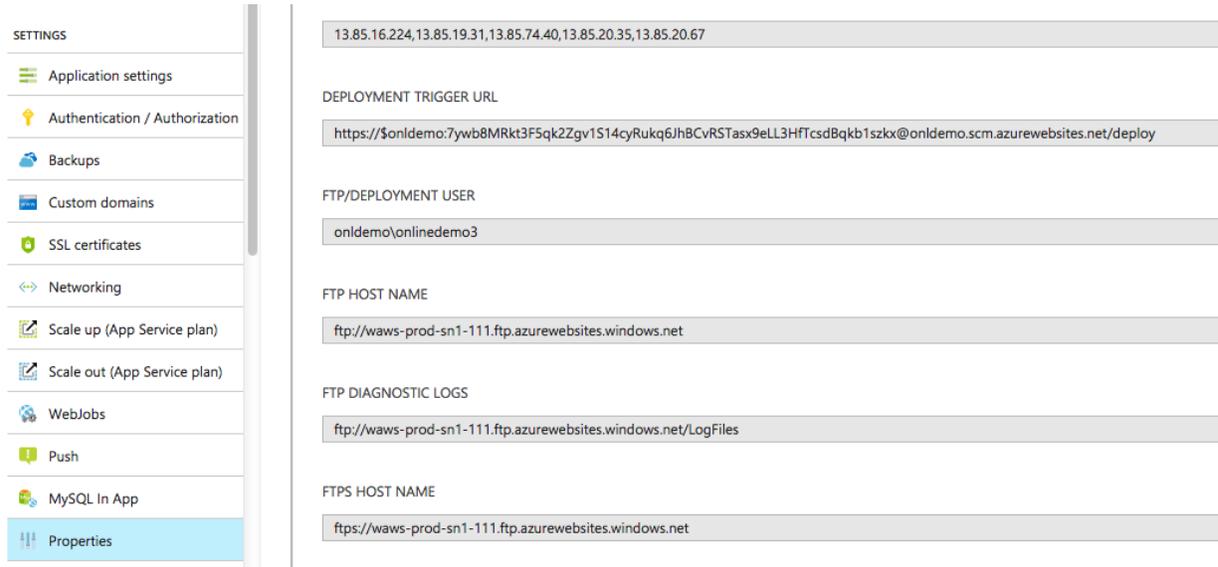
Use this user name and password to deploy to any apps for all subscriptions associated with your Microsoft Azure account

\* FTP/deployment username ⓘ  
 ✓

\* Password ⓘ  
 ✓

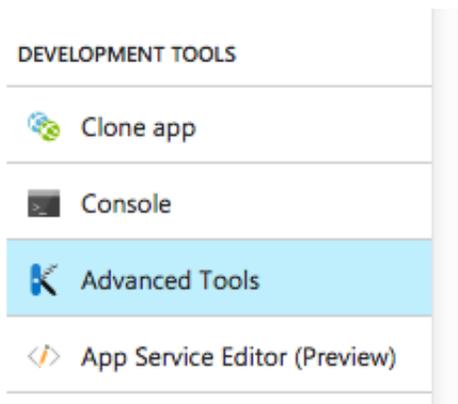
\* Confirm password  
 ✓

Click Properties (under Settings) and take note of the ip addresses and ftp hostname:



Right click the url in the properties window and open in a new tab. That will eventually load Tomcat.

Under Development Tools, click Advanced Tools, then the Go hyperlink:

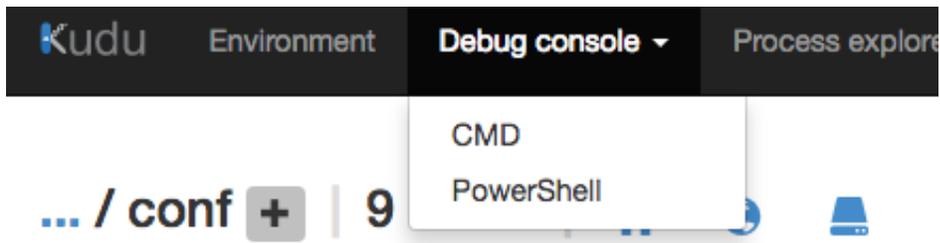


### Advanced Tools

Advanced Tools provides a collection of developer oriente

[Go](#) →

Click Debug Console /CMD



CD to d:\home\site\wwwroot\bin\apache-tomcat-8.0.44\conf

Click the Pen icon to the left of tomcat-users.xml:

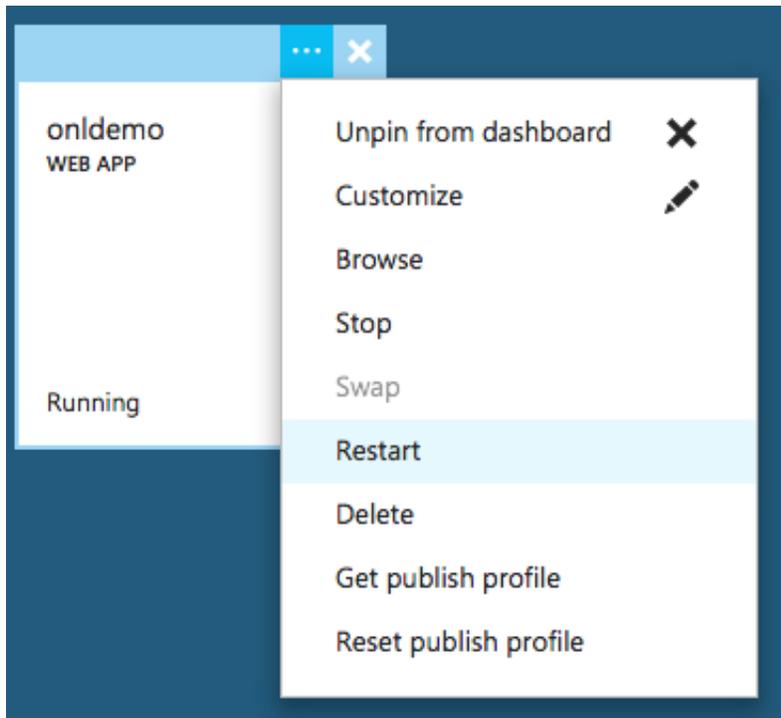
|  |                  |
|--|------------------|
|  | server.xml       |
|  | tomcat-users.xml |
|  | tomcat-users.xsd |

Insert the following above </tomcat-users>:

```
41 -->
42 <role rolename="manager-gui"/>
43 <user username="admin" password="admin" roles="manager-gui"/>
44 </tomcat-users>
45
```

Save the file

Go back to the dashboard and restart the app service using the (...) top right menu on the service



Create a new SQL server:

Click SQL databases in the left hand menu and then click 'Create SQL databases:

No SQL databases to display

Try changing your filters if you don't see what you're looking for.

[Create SQL databases](#)

Create a new SQL database:

Click the 'Server' field, then and configure a new server:

|   |   |   |
|---|---|---|
| <p>* Database name<br/><input type="text" value="Enter database name"/></p> <p>* Subscription<br/><input type="text" value="Free Trial"/></p> <p>* Resource group ⓘ<br/><input checked="" type="radio"/> Create new <input type="radio"/> Use existing<br/><input type="text"/></p> <p>* Select source ⓘ<br/><input type="text" value="Blank database"/></p> <p>* Server<br/><b>Configure required settings</b> &gt;</p> <p>Want to use SQL elastic pool? ⓘ<br/><input type="radio"/> Yes <input checked="" type="radio"/> Not now</p> <p>* Pricing tier ⓘ <br/><b>Configure required settings</b></p> <p>* Collation ⓘ<br/><input type="text" value="SQL_Latin1_General_CP1_CI_AS"/></p> | <p><input type="button" value="+ Create a new server"/></p> <p>No servers found</p> | <p>* Server name<br/><input type="text" value="onldemosv"/> ✓<br/><small>.database.windows.net</small></p> <p>* Server admin login<br/><input type="text" value="ianw"/> ✓</p> <p>* Password<br/><input type="text" value="....."/> ✓</p> <p>* Confirm password<br/><input type="text" value="....."/> ✓</p> <p>* Location<br/><input type="text" value="South Central US"/></p> <p><input checked="" type="checkbox"/> Allow azure services to access server ⓘ</p> |
|---|---|---|

Click 'Select' at the bottom of the server configure panel.  
Fill in the database information and click 'Create':

### SQL Database

\* Database name  
onldemo ✓

\* Subscription  
Free Trial ▼

\* Resource group ⓘ  
 Create new  Use existing  
ians ▼

\* Select source ⓘ  
Blank database ▼

---

\* Server  
onldemosrv (South Central US) >

Want to use SQL elastic pool? ⓘ  
 Yes  Not now

---

\* Pricing tier ⓘ >  
Standard S2: 50 DTU, 250 GB

---

\* Collation ⓘ  
SQL\_Latin1\_General\_CP1\_CI\_AS

Once the DB is deployed..

Add your apps ip addresses, plus your own local ip address to the firewall.  
From the DB overview, click 'Set server firewall':

✂ Tools   Copy   Restore   Export   Set server firewall   Delete

Eccentiale ^

Click Add Client IP:

Save   Discard   + Add client IP

And then Save. Then add each of your app ip addresses, clicking Save each time.

In Settings/Properties click 'Show Database connection strings':

SETTINGS

- Quick start
- Pricing tier (scale DTUs)
- Geo-Replication
- Auditing & Threat Detection
- Dynamic Data Masking
- Transparent data encryption
- Sync to other databases
- Properties**
- Locks

COLLATION

SQL\_Latin1\_General\_CP1\_CI\_AS

CREATION DATE

6/22/2017, 4:47:59 PM

CONNECTION STRINGS

[Show database connection strings](#)

SERVER NAME

onldemosrv.database.windows.net

LOCATION

Click JDBC and make a note of the connection string:

ADO.NET

JDBC

ODBC

PHP

JDBC (SQL authentication)

```
jdbc:sqlserver://onldemosrv.database.windows.net:1433;database=onldemodb;user=iamw@onldemosrv;password={your_password_here};encrypt=true;trustServerCertificate=false;hostNameInCertificate=*.database.windows.net;loginTimeout=30;
```

[Download JDBC driver for SQL server](#)

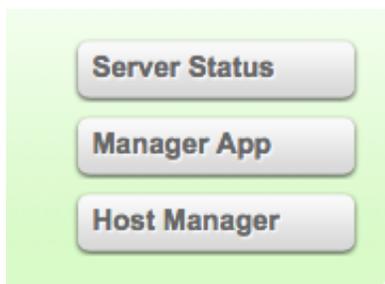
Using RazorSQL or similar conned to the database and create a table using the following SQL:

```
CREATE TABLE dbo.ONLDEMO_TABLE1 (  
    NAME varchar(16) NOT NULL,  
    PHONE int NOT NULL,  
    PRIMARY KEY (PHONE)  
);
```

Use the Application server CMD console (in the browser window) to create a directory D:\Home\JES

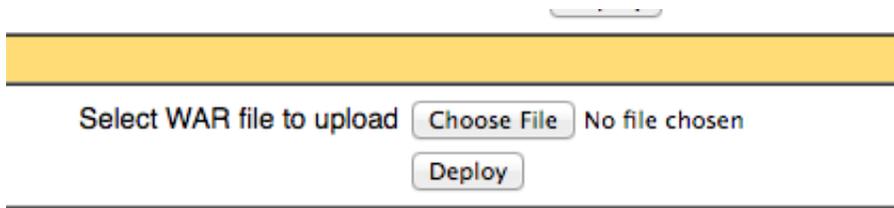
Download and unpack the latest EBP from here: <http://www.elasticcobol.com/downloads/ebp/>

Go to the browser tab for you application and click 'Manager App' (may take a while as app restarted):



Enter admin/admin as user/password

Deploy EBP by clicking 'Choose File', selecting the EBP###n.n.nn.war file and the click 'Deploy':



Select WAR file to upload  No file chosen

The screen should refresh, otherwise press F5 and you'll see EBP listed as a deploy application:

|                      |         |  |
|----------------------|---------|--|
|                      |         |  |
| <a href="#">/ebp</a> | 17.5.19 |  |
|                      |         |  |

If you see a 403 access denied, simply remove all the trailing string from the URL so it's just the site name and refresh your browser then redeploy:

## 403 Access Denied

You are not authorized to view this page.

If you have already configured the Manager application to allow access and you have used your browsers back button, protection by returning to the [main Manager page](#). Once you return to this page, you will be able to continue using the

If you have not changed any configuration files, please examine the file `conf/tomcat-users.xml` in your installatic

For example, to add the `manager-gui` role to a user named `tomcat` with a password of `s3cret`, add the following

```
<role rolename="manager-gui"/>
<user username="tomcat" password="s3cret" roles="manager-gui"/>
```

Note that for Tomcat 7 onwards, the roles required to use the manager application were changed from the single `man`

- `manager-gui` - allows access to the HTML GUI and the status pages

You now need to set up the licenses for EBP and the applications it will run.

FTP to your app service (the ftp host and user name is under the app service/Properties)

If the connection fails you may need to reset your deployment credentials - see earlier step

Upload your elasticcobol.properties file to the D:\home\jes directory

Switch back to the CMD console

Copy elasticcobol.properties from the jes directory (do not MOVE it) to the ebp deployed directory.

That directory will be D:\Home\Site\wwwroot\bin\apache-tomcat-

8.0.44\webapps\ebp##nn.n.nn

```
Directory of D:\home\site\wwwroot\bin\apache-tomcat-8.0.44\webapps

06/21/2017  09:25 PM  <DIR>      .
06/21/2017  09:25 PM  <DIR>      ..
06/20/2017  04:01 PM  <DIR>      docs
06/21/2017  08:52 PM  <DIR>      ebp##17.5.19
06/20/2017  04:01 PM  <DIR>      examples
06/20/2017  04:01 PM  <DIR>      host-manager
```

In that directory delete the licensing.properties file.

Switch back to the Tomcat manager tab and restart EBP:



If the Reload is a text string not a button, refresh your browser.

Click the EBP url on the left and you will be taken to the EBP admin page.  
Click the config hyperlink:

Both the Dashboard and the System Operator Console control EBP through these Web services,

- [define](#) - new job class
- [start](#) - job initiators of a specific class or list of classes
- [submit](#) - jobs to the input queue to be executed by initiators
- [list](#) - list job classes, job initiators, input jobs, job outputs, output datasets
- [cancel](#) - a running or queued job
- [purge](#) - output of a running or finished job
- [quiesce](#) - suspend job initiation, complete running jobs
- [stop](#) - running job initiators, halting job execution
- [undefine](#) - existing job classes, stopping all initiators of that class
- [checkpoint](#) - a job by saving the current state (at the most recent completed job step)
- [restart](#) - a previously checkpointed (after last successful job step) or held job (at start)
- [lock](#) - cross EBP-Plex locking
- [config](#) - the job entry subsystem
- [console](#) - show EBP console messages

In the config section, set System Lib #2 to d:\home\jes>ListTable.jar  
in 'other' (see screen capture below) enter 'javacommand' (no quotes) and in the field next to it enter 'java -Dheirloom.licensefile=d:\home\jes\elasticcobol.properties' (no quotes)

Check Scheduler:  Job Aging:   
 Symbolics:  Parms:   
  
 Output Spool:   
 Output :   
 Alias :   
 EBP-Plex Peer:  EBP-Plex Auth:   
 Service Portal:   
 System Lib :   
 Class Lib :   
 Suspend Debugger:  Debug Job/Step:   
 Other :

Build Version:  Build Date:

Click 'Save' to save the EBP configuration

Switch back to the Tomcat manager tab and restart EBP again:

with idle  minutes

If the Reload is a text string not a button, refresh your browser.

Switch to the EBP admin page and click the 'System Operator Console':

[You may also have deployed ESP to your virtual private cloud which controls EBPs v](#)  
 Control this EBP with the [System Operator Console](#) .

Both the Dashboard and the System Operator Console control EBP through these W

- [define](#) - new job class
- [start](#) job initiators of a specific class or list of classes

This will load the console and you should see it operating under your subscription email