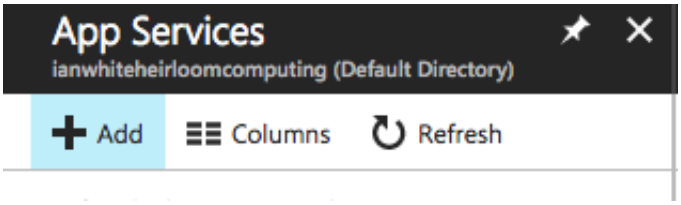
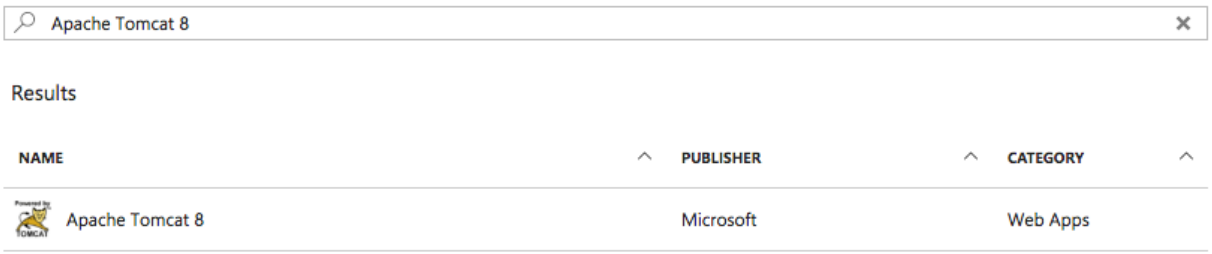
1. Configuring Azure and EBP for a simple demo

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

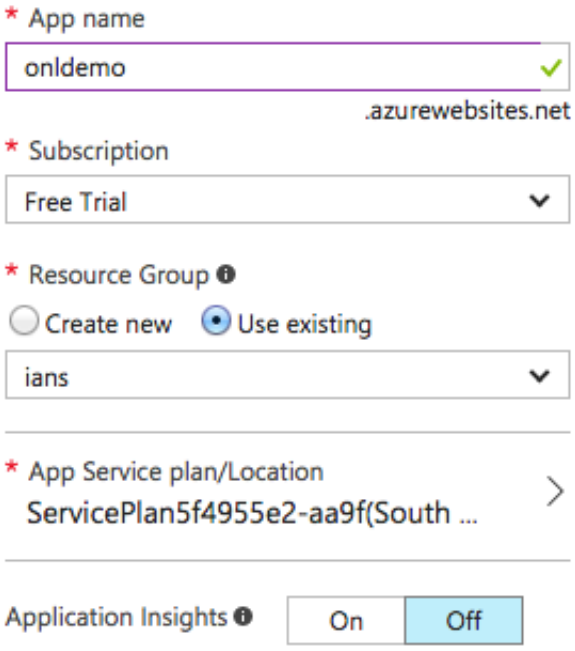
Create a new App Service



Search for Apache Tomcat 8

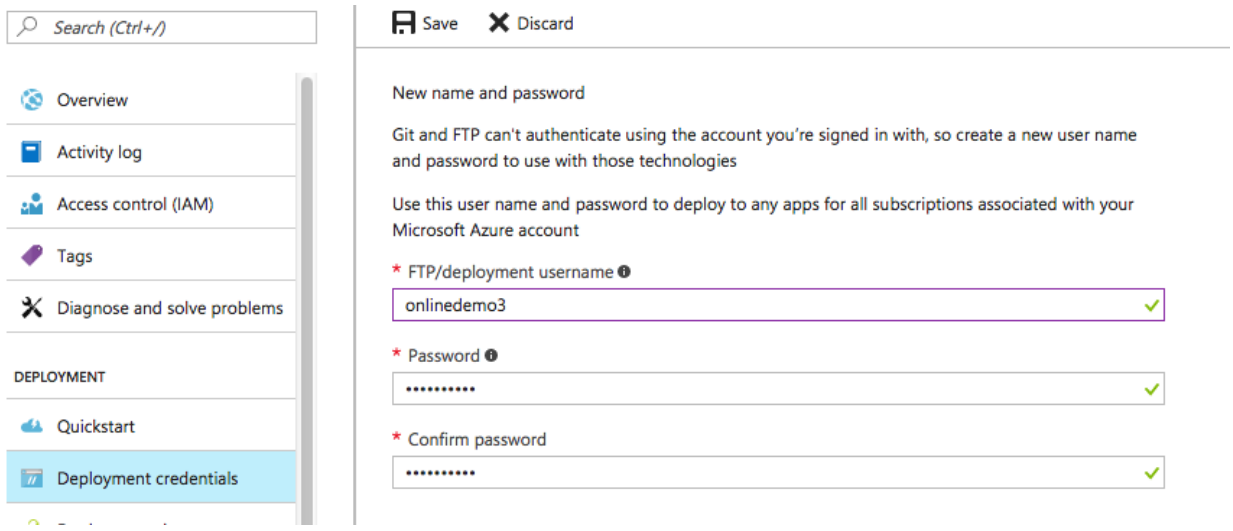


Click Apache Tomcat 8 and then click ‘Create’ on right hand side
Name the app and either use an existing resource group or choose a new one

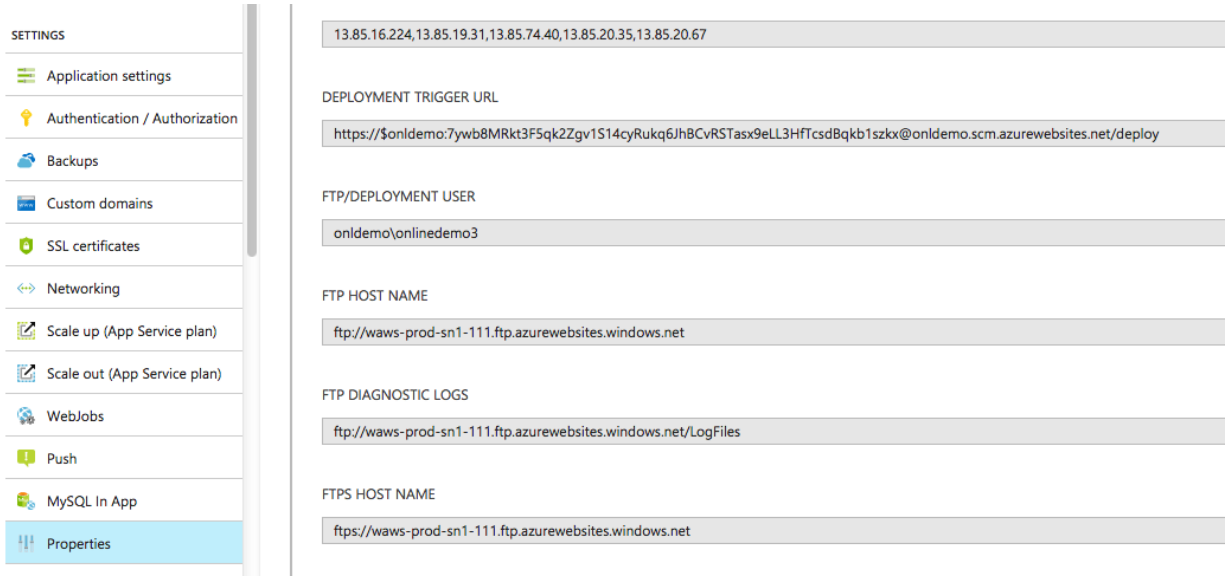


Click Create
Wait a certain amount of time until the application is up.
If the application profile screen does not appear you can bring it up by clicking on the app in your resources list

Click Deployment credentials and set up a username and password:

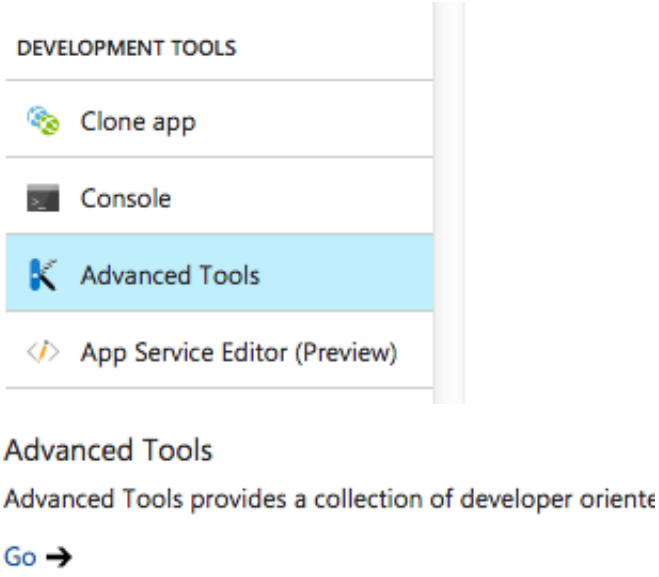


Click Properties (under Settings) and take note of the ip addresses and ftp hostname:

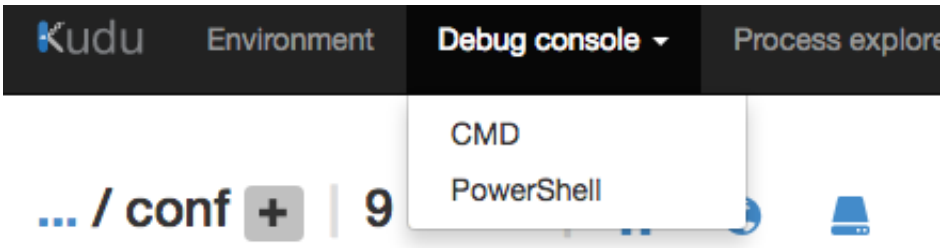


Right click the url in the properties window and open in a new tab. That will eventually load Tomcat.

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

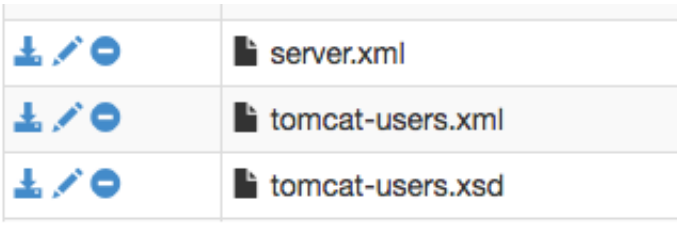


Click Debug Console /CMD



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

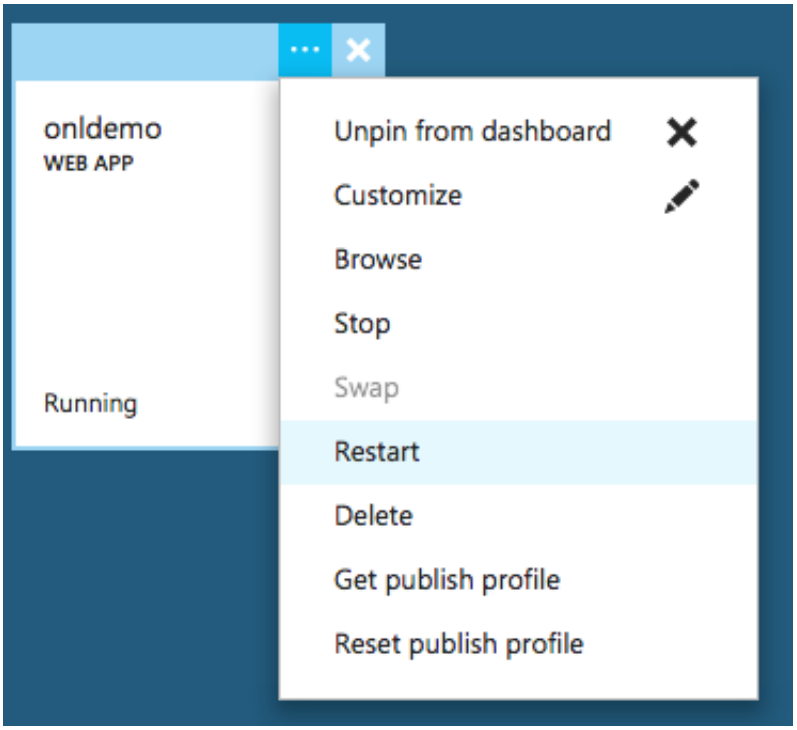
Click the Pen icon to the left of tomcat-users.xml:



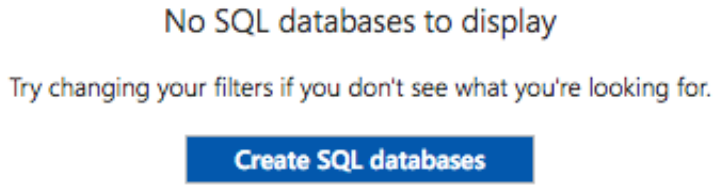
Insert the following above </tomcat-users>:

```
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

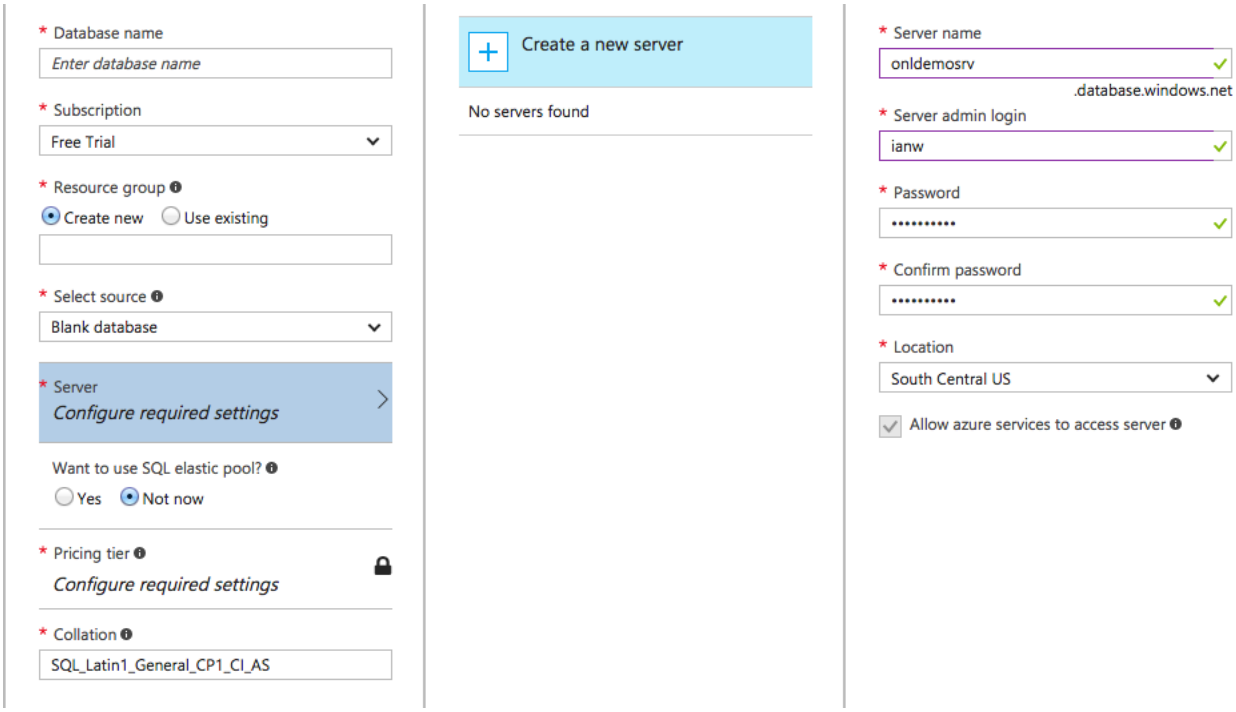


Create a new SQL server:
Click SQL databases in the left hand menu and then click ‘Create SQL databases:

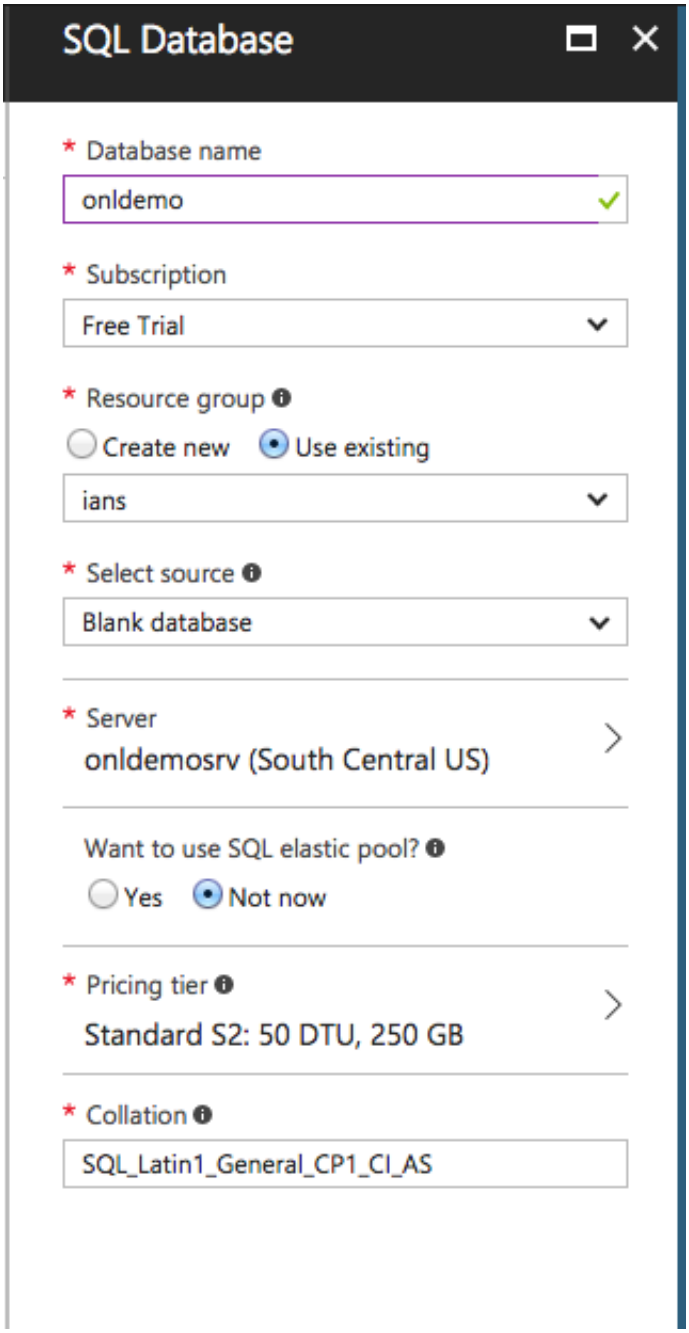


Create a new SQL database:

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

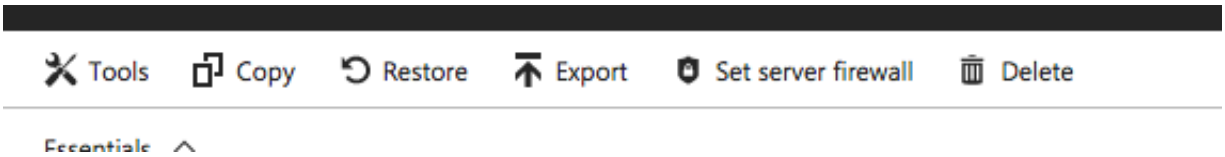


Click ‘Select' at the bottom of the server configure panel.
Fill in the database information and click ‘Create':

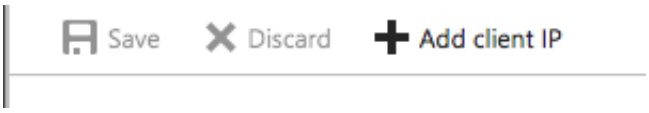


Once the DB is deployed..

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

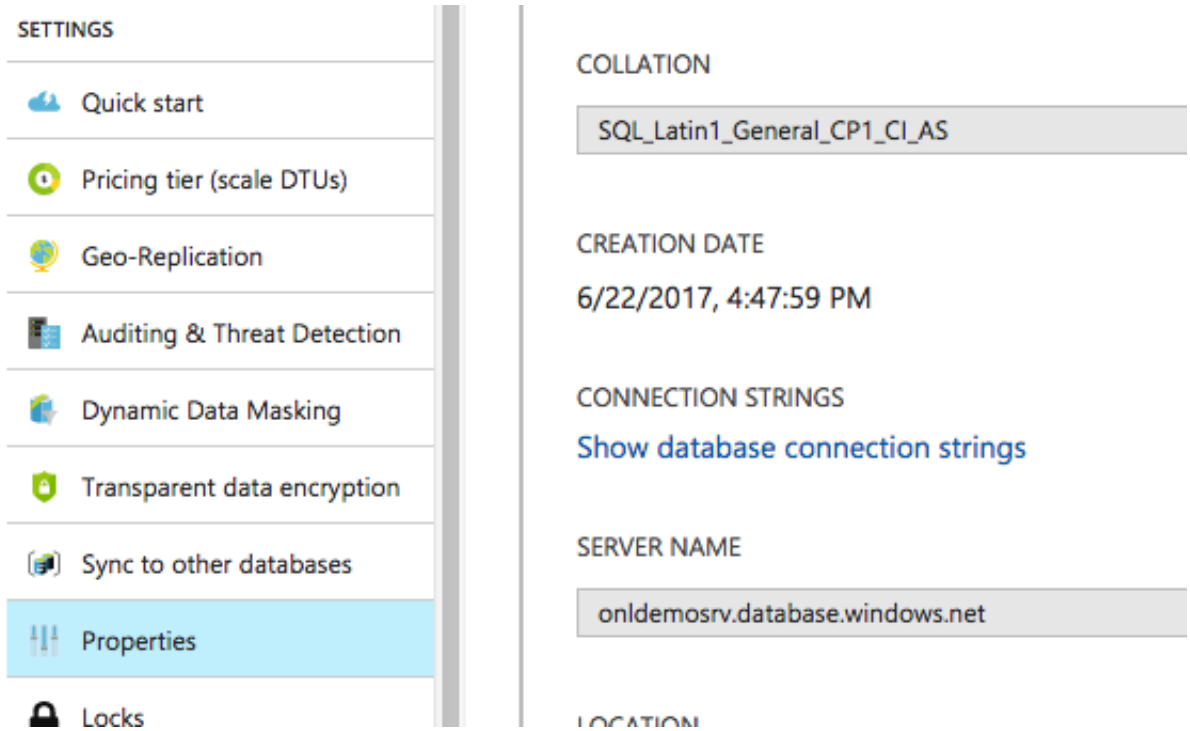


Click Add Client IP:

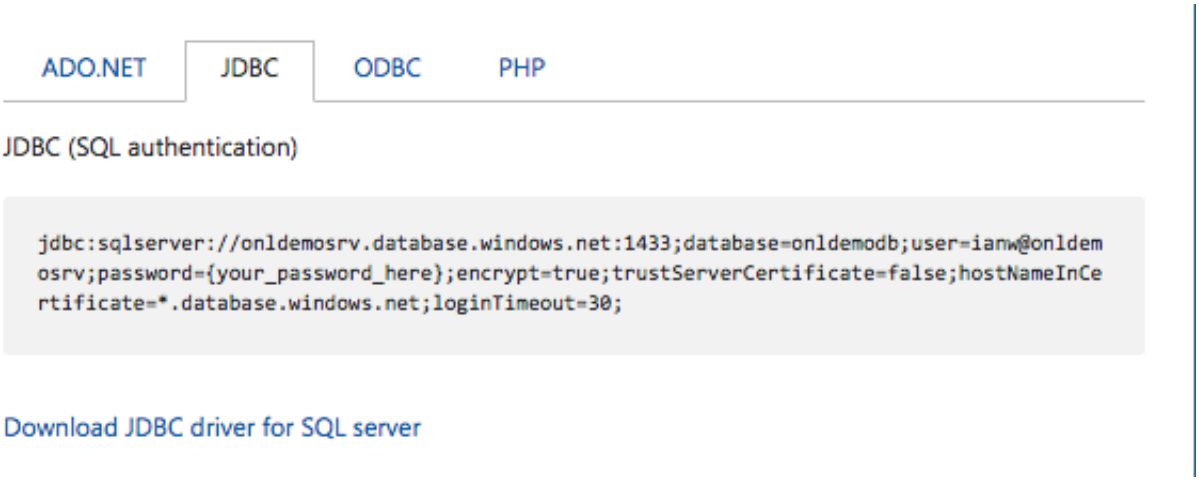


And then Save. Then add each of your app ip addresses, clicking Save each time.

In Settings/Properties click ‘Show Database connection strings’:



Click JDBC and make a note of the connection string:



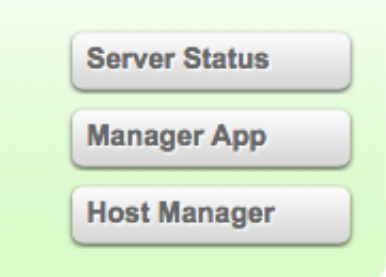
Using RazorSQL or similar conned to the database and create a table using the following SQL:

```
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

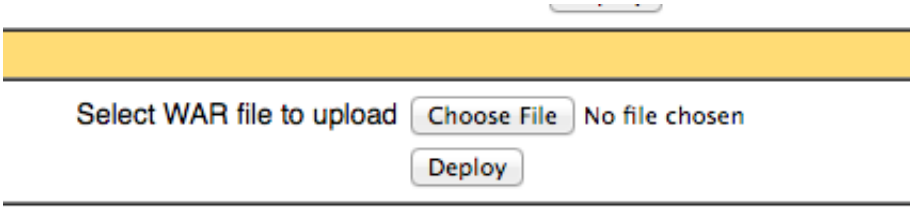
Download and unpack the latest EBP from here: http://www.elasticcobol.com/downloads/ebp/

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

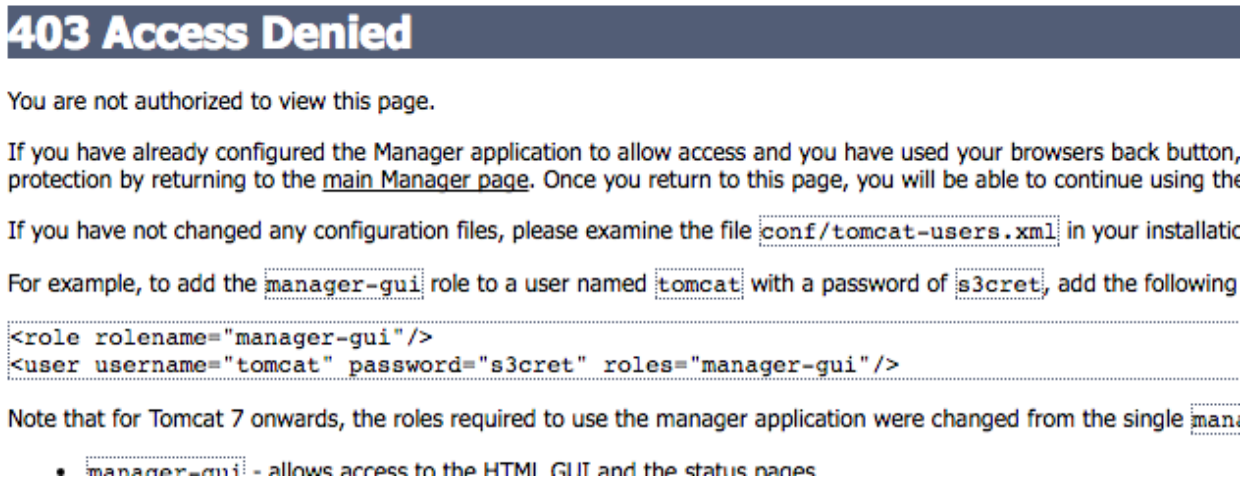
Deploy EBP by clicking ‘Choose File’ , selecting the EBP##nn.n.nn.war file and the click ‘Deploy’:



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

/ebp	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:



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-

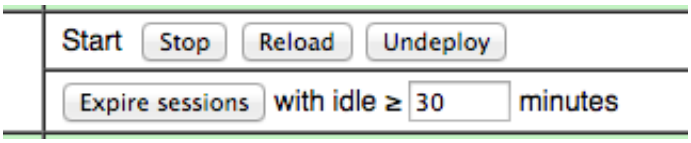
8.0.44\webapps\ebp##nn.n.nn

```
 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:



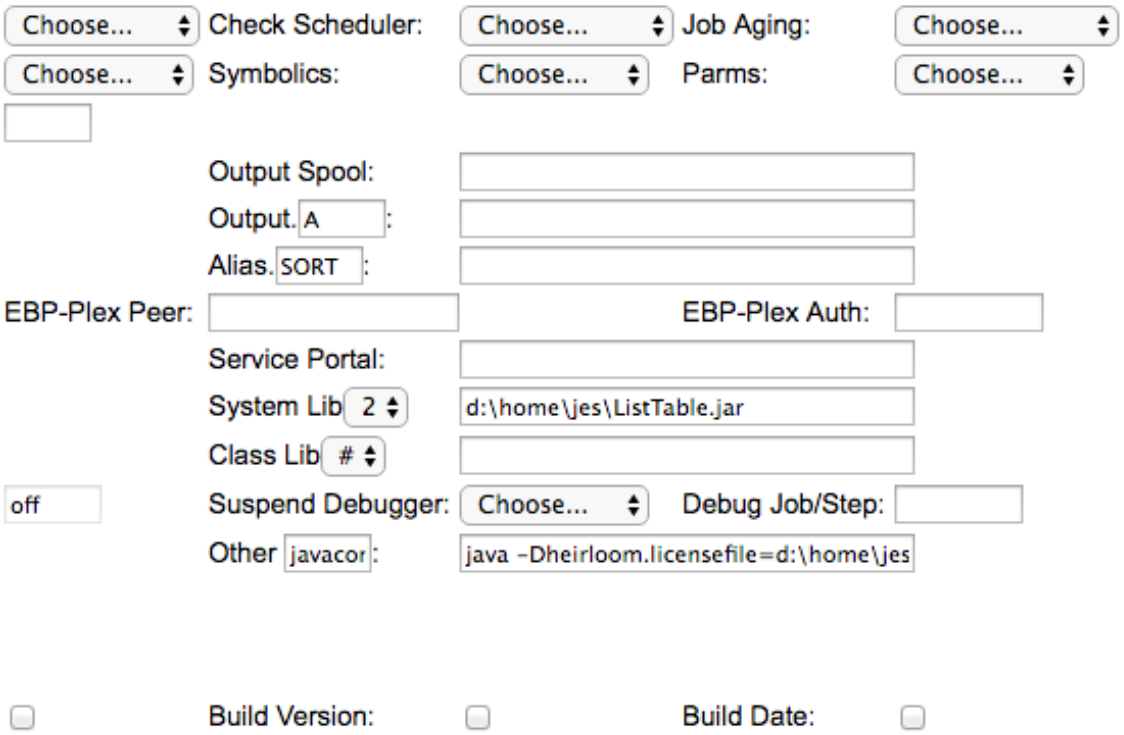
If the Reload is a text string not a button, refresh your browser.

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,

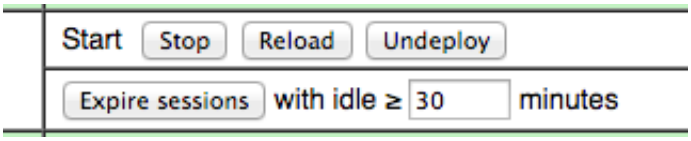
- define - new job class
- start - job initiators of a specific class or list of classes
- submit - jobs to the input queue to be executed by initiators
- list - list job classes, job initiators, input jobs, job outputs, output datasets
- cancel - a running or queued job
- purge - output of a running 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)`



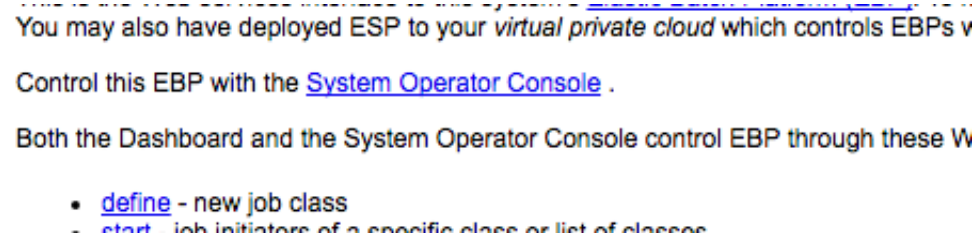
Click ‘Save’ to save the EBP configuration

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



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’:



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