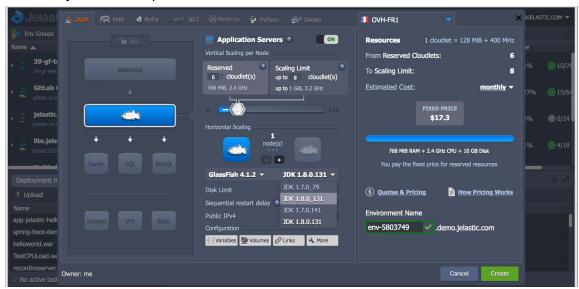
GF Auto-clustering

For now the new containers are not published yet on the demo, but you can get it visible with the following link https://app.demo.jelastic.com/?action=previewtemplates

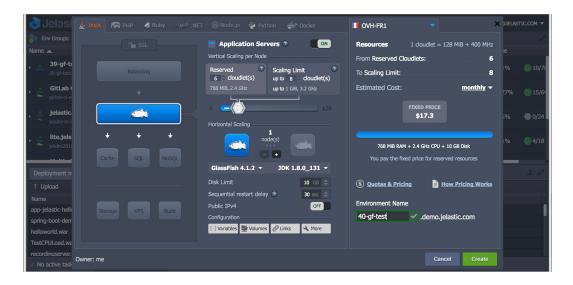
In case if you see multiple similar versions



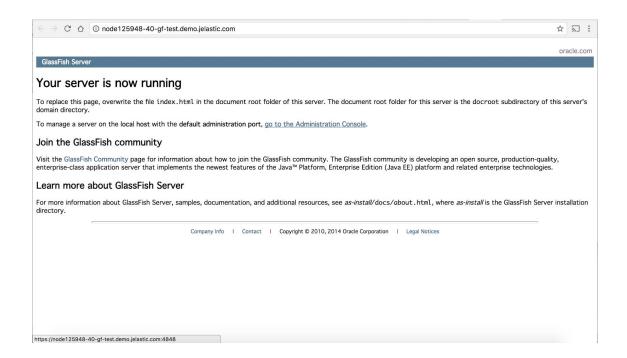
Please double check that env variable ON_ENV_INSTALL is defined (press "Variables" button). If it's present in the list of env variables then it is the right image to test.

Standalone Setup

Create one container only



And test in the same way as we do it usually: deploy, open admin panel, restart, etc



Check your email box



Congratulations! A new **GlassFish** container has been successfully added to your <u>40-gf-test</u> environment in the <u>Jelastic Cloud</u>.

Please use the following data to gain the admin access to it:

Access URL: https://node125948-40-qf-test.demo.jelastic.com:4848

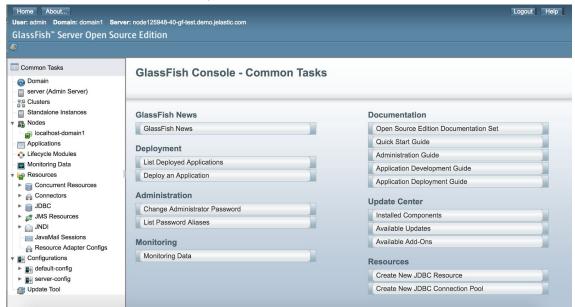
Login: admin

Password: IOZvlh24367

Go to the Admin Panel



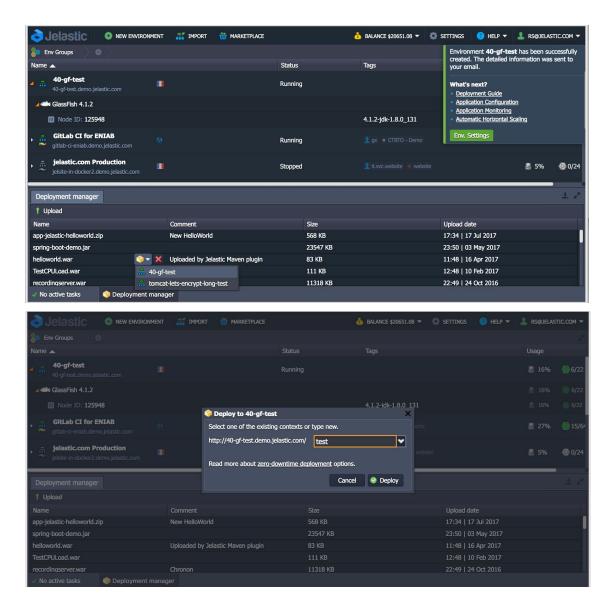
Check the the nodes and deployed applications



At the moment you have only one localhost-domain1 node

Application Deployment

Use "Deployment manager" for an easy way to deploy an application

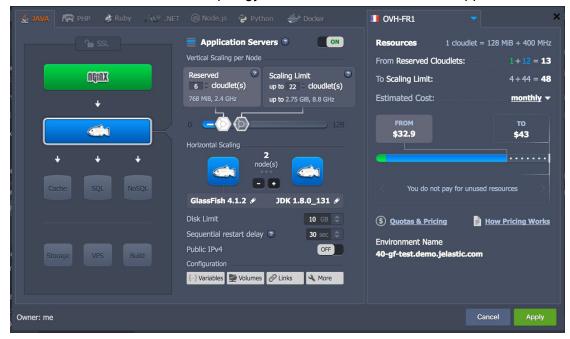


Check it in the Admin Panel

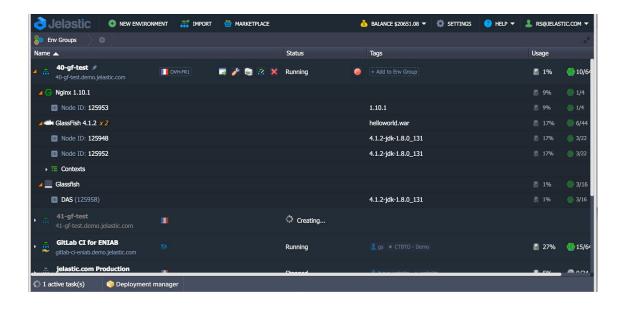


Scaling Out -> Auto-Clustering

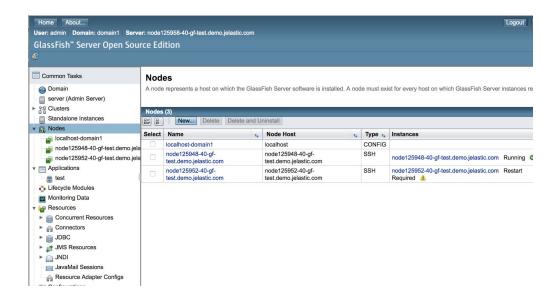
Scale the environment out via topology wizard: +1 or more nodes in "Application servers" layer



After the first scale event the dedicated DAS node will be automatically added to "Extra" layer as well as NGINX will be added to "Balancing" layer

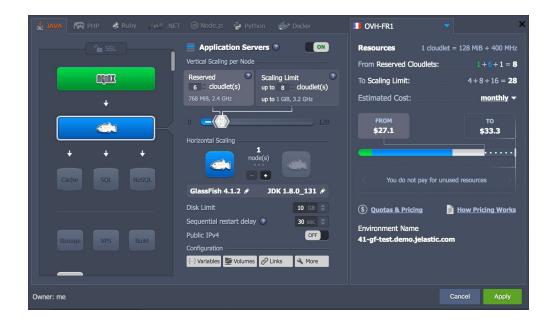


Check the Nodes and Applications again in Admin Panel



Scaling In

Scale the cluster in by removing one or more nodes in "Application Servers" layer



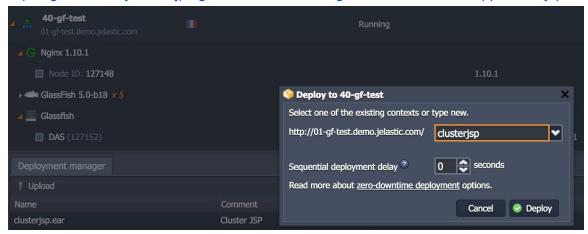
Check the Nodes again in Admin Panel



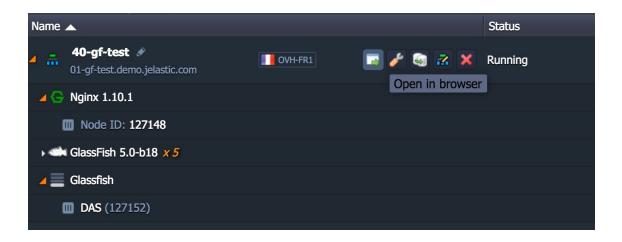
Checking Session Replication

Deploy the special test app to "clusterjsp" context

https://github.com/jelastic-jps/glassfish/raw/master/glassfish-cluster/test-app/clusterjsp.ear



Press "Open in Browser" button at the main entry point (env or lb layer) and navigate to /clusterjsp



You will see the following page



Cluster - HA JSP Sample

HttpSession Information:

- Served From Server: 01-gf-test.demo.jelastic.com
- Server Port Number: 80
- Executed From Server: node127618-01-gf-test.demo.jelastic.com
- Served From Server instance: node127618
- Executed Server IP Address: 192.168.7.179
- Session ID: 09f04ca5b0f603a793e1f9a3a60b
- Session Created: Wed Aug 23 19:43:30 UTC 2017
- Last Accessed: Wed Aug 23 19:43:30 UTC 2017
- Last Accessed: wed Aug 25 19:45:50 UTC 20
- Session will go inactive in 1800 seconds

Value of Sesion At	ribute:
ADD SESSION DATA	RELOAD PAGE

Add some session attribute data. Now you will see your session attributes. Please also note the server that responded.

Cluster - HA JSP Sample

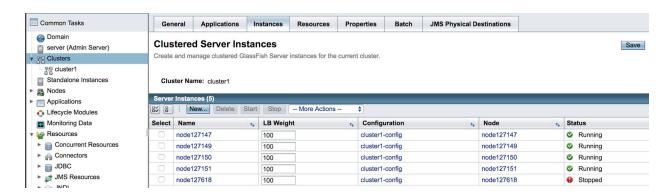
HttpSession Information:

- Served From Server: 01-gf-test.demo.jelastic.com
- Server Port Number: 80
- Executed From Server: node127618-01-gf-test.demo.jelastic.com
- Served From Server instance: node127618
- Executed Server IP Address: 192.168.7.179
- Session ID: 09f04ca5b0f603a793e1f9a3a60b
- Session Created: Wed Aug 23 19:43:30 UTC 2017
- Last Accessed: Wed Aug 23 19:44:35 UTC 2017
- Session will go inactive in 1800 seconds

Data retrieved from the HttpSession:

name2 = value2name1 = value1

Go to Admin Panel and "Stop" the instance that replied at the previous step



Switch back to the test application page and press "RELOAD PAGE" button. You should get response from another instance with the same session attributes

Cluster - HA JSP Sample

HttpSession Information:

• Served From Server: 01-gf-test.demo.jelastic.com

• Server Port Number: 80

• Executed From Server: node127151-01-gf-test.demo.jelastic.com

• Served From Server instance: node127151 • Executed Server IP Address: 192.168.5.200 • Session ID: 09f04ca5b0f603a793e1f9a3a60b

Session Created: Wed Aug 23 19:43:30 UTC 2017
Last Accessed: Wed Aug 23 19:51:04 UTC 2017
Session will go inactive in 1800 seconds

Name of Session Attribute: Value of Sesion Attribute:	
ADD SESSION DATA RELOAD PAGE	
CLEAR SESSION	

Data retrieved from the HttpSession:

• name2 = value2 • name1 = value1

Other Tests

Run all other tests like restart env, clone, etc.