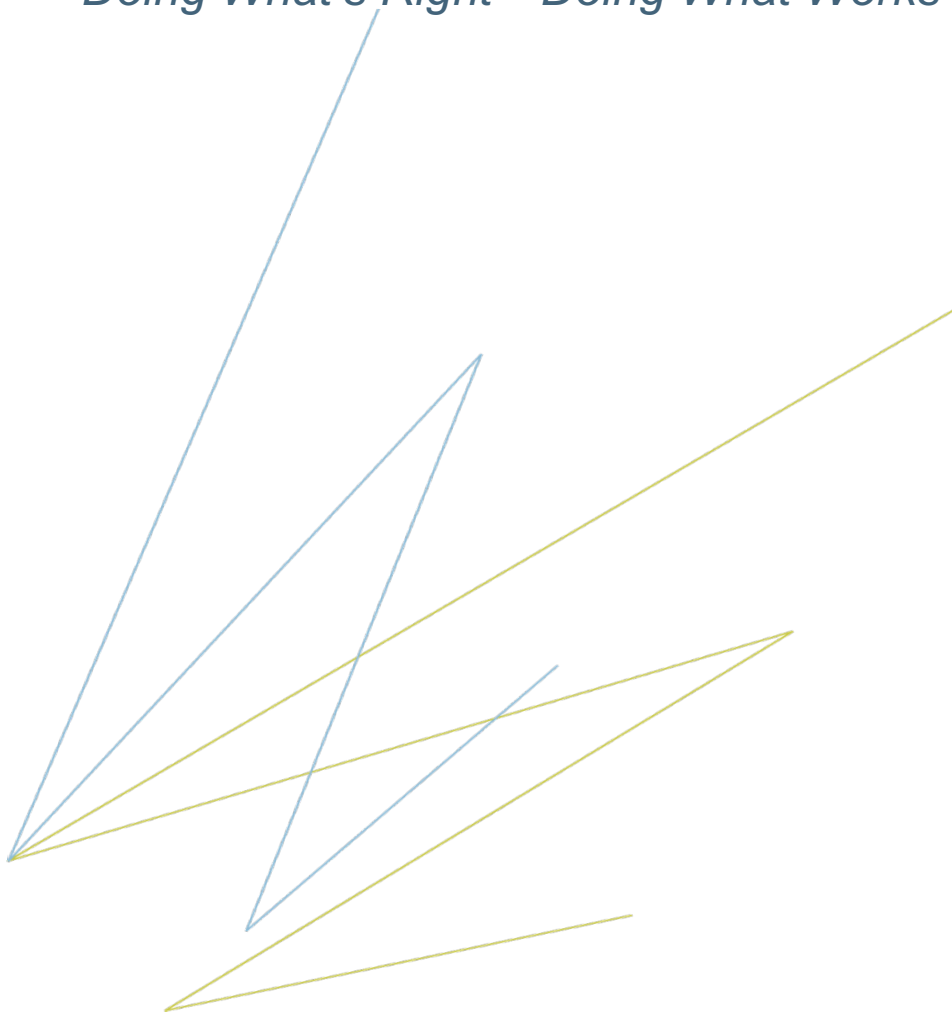


Criteria j

deployed the prototype on an Infrastructure as a Service (IaaS) or Platform as a Service (PaaS) provider, and indicated which provider they used

Doing What's Right—Doing What Works



Criteria j:

deployed the prototype on an Infrastructure as a Service (IaaS) or Platform as a Service (PaaS) provider, and indicated which provider they used

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State
AMI-Docker-18F	i-e0b5601e	t2.micro	us-east-1d	running

Instance: **i-e0b5601e (AMI-Docker-18F)** Public DNS: **ec2-54-175-250-1.compute-1.amazonaws.com**

Description | Status Checks | Monitoring | Tags

Instance ID	i-e0b5601e
Instance state	running
Instance type	t2.micro
Private DNS	
Private IPs	
Secondary private IPs	
VPC ID	vpc-98bf54fd
Subnet ID	subnet-e32d02a5

The AWS virtual machine runs the application using Tomcat 7 in a Docker Container. This is a screen capture from AWS console displaying the virtual machine used

The prototype is deployed from the Jenkins CI/CD application to Docker container running on an Amazon Web Services virtual machine by first copying the war file to the AWS virtual machine, building a new docker image, and finally starting a new Docker container using the newly created image.

```
Sending build context to Docker daemon

Step 0 : FROM centos_tomcat_2:latest
----> c278fb24ec90
Step 1 : MAINTAINER Alonzo Perry
----> Using cache
----> ecc60ee39c33
Step 2 : ADD ./war/myHealthAlerts.war /usr/share/tomcat7/webapps/myHealthAlerts.war
----> 50569a023a0c
Removing intermediate container 0ffal1ee0c98
Step 3 : ADD ./database/prodDb.h2.db /work/prodDb.h2.db
----> 978c2bfab285
Removing intermediate container ac62cf976c1b
Step 4 : RUN chown -R tomcat:tomcat /work/prodDb.h2.db
----> Running in 4abc84bc831e
----> eld5e962f1a8
Removing intermediate container 4abc84bc831e
Step 5 : RUN chmod 755 -R /work/prodDb.h2.db
----> Running in d2ab66c656ed
----> d8b250dc37c0
Removing intermediate container d2ab66c656ed
Step 6 : EXPOSE 8080
----> Running in 3d8548409cd9
----> 076bf81315ba
Removing intermediate container 3d8548409cd9
Step 7 : CMD /sbin/service tomcat start && /usr/bin/tail -f /usr/share/tomcat7/logs/catalina.out
----> Running in 645f7f10ff4d
----> 703117b3a9dc
Removing intermediate container 645f7f10ff4d
Successfully built 703117b3a9dc
4b2ae150ba34859ef6bf3bee0d8f0582a67d7c203246d45f2cd674966b67ba87
Connection to 54.175.250.1 closed.
Archiving artifacts
Recording fingerprints
[Cobertura] Publishing Cobertura coverage report...
Publishing Cobertura coverage results...
Cobertura coverage report found.
Recording test results
Email was triggered for: Always
Sending email for trigger: Always
Sending email to: nicholas.bartlow@noblis.org
Finished: SUCCESS
```

Utilizing Jenkins, the prototype is deployed by creating a starting a Docker container after the war file (main application) is created and the tests have been completed.