—automatically downloads latest image if it’s not locally available

docker create -i -t tomcat

—create docker container from image

**ubuntu@ubuntu**:**~**$ docker create -i -t tomcat

1f03b2cea066035bcf5adf1a49d562513fe7f3147a546b3561e38e416f9c9302

—start docker container

docker start -a -i 1f03b2cea06

—list containers

**ubuntu@ubuntu**:**~**$ docker container ls | grep tomcat

1f03b2cea066        **tomcat**                      "[catalina.sh](http://catalina.sh) run"        4 minutes ago       Up About a minute   8080/tcp

—login to docker container shell

docker exec -i -t 1f03b2cea066 /bin/bash

—Create an agent directory

—Then download the agent:

wget -O AppServerAgent.zip <https://s3-us-west-2.amazonaws.com/demo-chef/4.4.3_Beta/AppServerAgent-4.4.3_Beta.zip>

—unzip the agent:

unzip AppServerAgent.zip -d AppServerAgent && rm AppServerAgent.zip

—copy files from local to container:

Docker cp <file> <container ID>:<path>

docker cp [setenv.sh](http://setenv.sh) 1f03b2cea066:/usr/local/tomcat/bin

—Commit changes

docker commit 1f03b2cea066 tomcat-v2

docker run --rm -it \

-e "-Dappdynamics.controller.hostName=443controller-kdesikankubernetes-7dqbptp1.srv.ravcloud.com" \

-e "-Dappdynamics.controller.port=8090" \

-e "-Dappdynamics.controller.ssl.enabled=false" \

-e "-Dappdynamics.agent.accountName=customer1" \

-e "-Dappdynamics.agent.accountAccessKey=3a250c5e-10da-4d3c-9199-b3d3af2655eb" \

-e "-Dappdynamics.agent.applicationName=Tomcat-Docker"\

-e "-Dappdynamics.agent.tierName=Sample" \

-e "-Dappdynamics.agent.reuse.nodeName=true" \

-e "-Dappdynamics.agent.reuse.nodeName.prefix=Web\_"\

-e "‑Dappdynamics.jvm.shutdown.mark.node.as.historical=true" \

-e "Dappdynamics.agent.runtime.dir=/usr/local/tomcat/agent/AppServerAgent"

docker run --rm -it -e "-Dappdynamics.controller.hostName=443controller-kdesikankubernetes-7dqbptp1.srv.ravcloud.com" -e "-Dappdynamics.controller.port=8090" -e "-Dappdynamics.controller.ssl.enabled=false" -e "-Dappdynamics.agent.accountName=customer1" -e "-Dappdynamics.agent.accountAccessKey=3a250c5e-10da-4d3c-9199-b3d3af2655eb" -e "-Dappdynamics.agent.applicationName=Tomcat1" -e "-Dappdynamics.agent.tierName=Sample" -e "-Dappdynamics.agent.reuse.nodeName=True" -e "-Dappdynamics.agent.reuse.nodeName.prefix=Web\_" -e "-Dappdynamics.jvm.shutdown.mark.node.as.historical=true" -e "-Dappdynamics.agent.runtime.dir=/usr/local/tomcat/agent/AppServerAgent" tomcat-v2

docker container run -p 8080:8080 -d --name tomcat --env-file appdynamics.env appdynamics/nimbus\_docker\_test-app:2.0

<https://blog.appdynamics.com/product/the-appd-approach-composing-docker-containers-for-monitoring/>

<https://store.docker.com/images/tomcat>

<https://github.com/Appdynamics/AD-Capital-Docker>

<https://github.com/dockersamples/atsea-sample-shop-app>

<https://docs.docker.com/compose/wordpress/#bring-up-wordpress-in-a-web-browser>