Bamboo Pipeline Setup

Build plan

a. Run agent by downloading and running “java -jar /home/ec2-user/atlassian-bamboo-agent-installer-5.13.2.jar http://ip:8085/agentServer/”

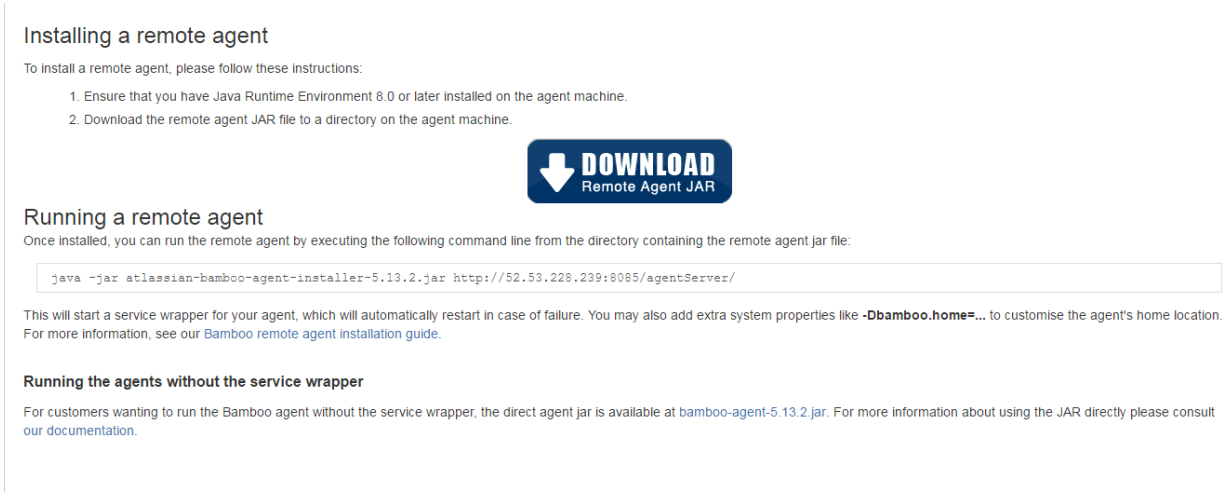

Figure 1: Agent installation

b. Configure maven in a bin/configuration (create `bamboo-capabilities.properties file)` file under /root/bamboo-agent-home/bin.
https://confluence.atlassian.com/bamboo/configuring-remote-agent-capabilities-using-bamboo-capabilities-properties-289276849.html

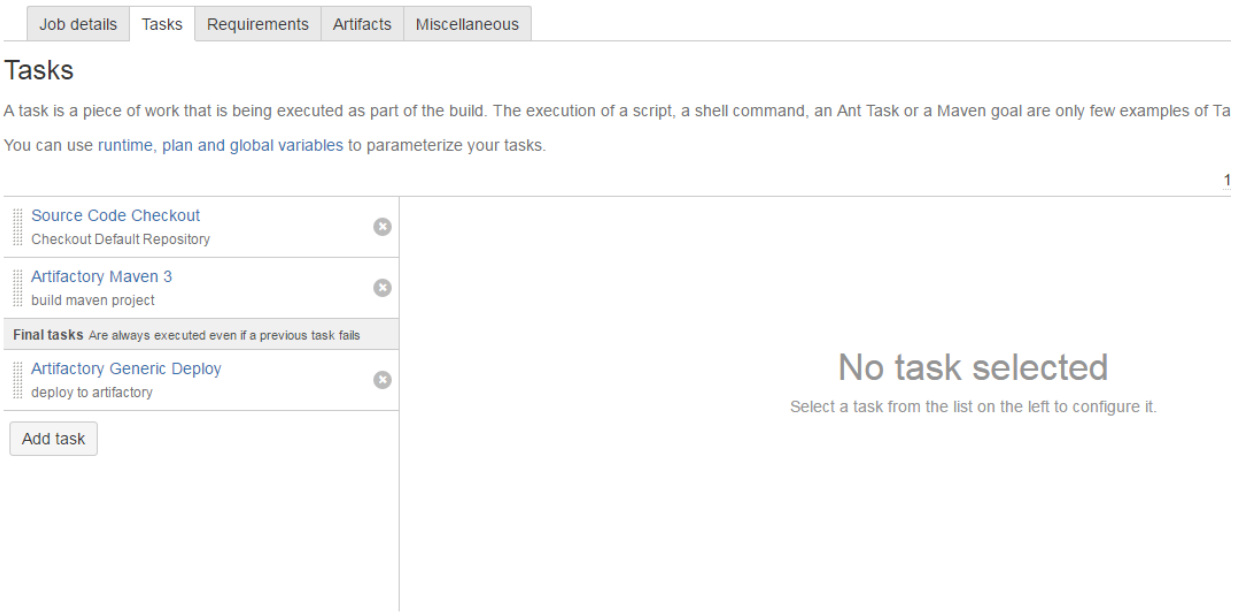

Figure 2: Build config

Deployment setup:

a: Under create/create deployment project.

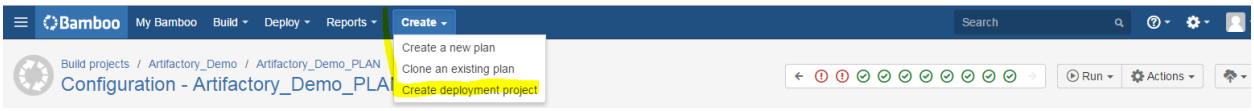

Figure 3: Deployment project

b. Link build plan to Deployment project:

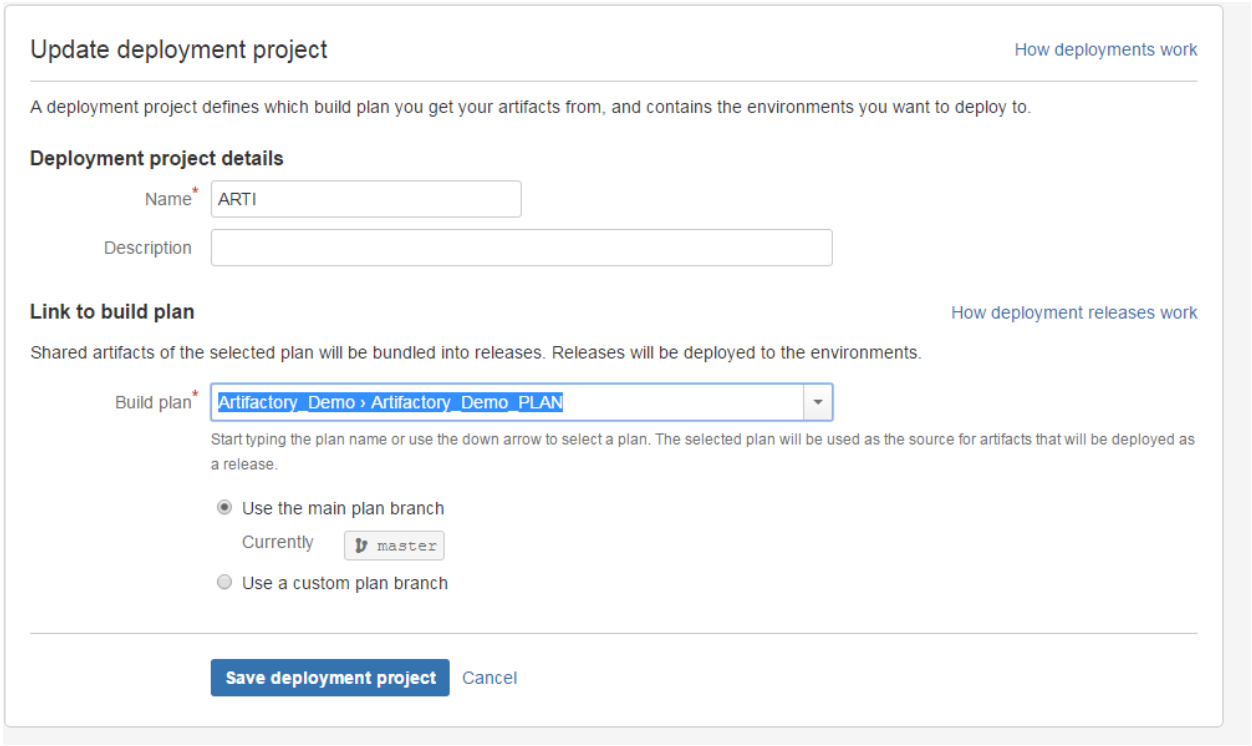

Figure 4: Configuration of deployment project

c. Name environment as DEV/QA/PROD.

d. Declare stages:

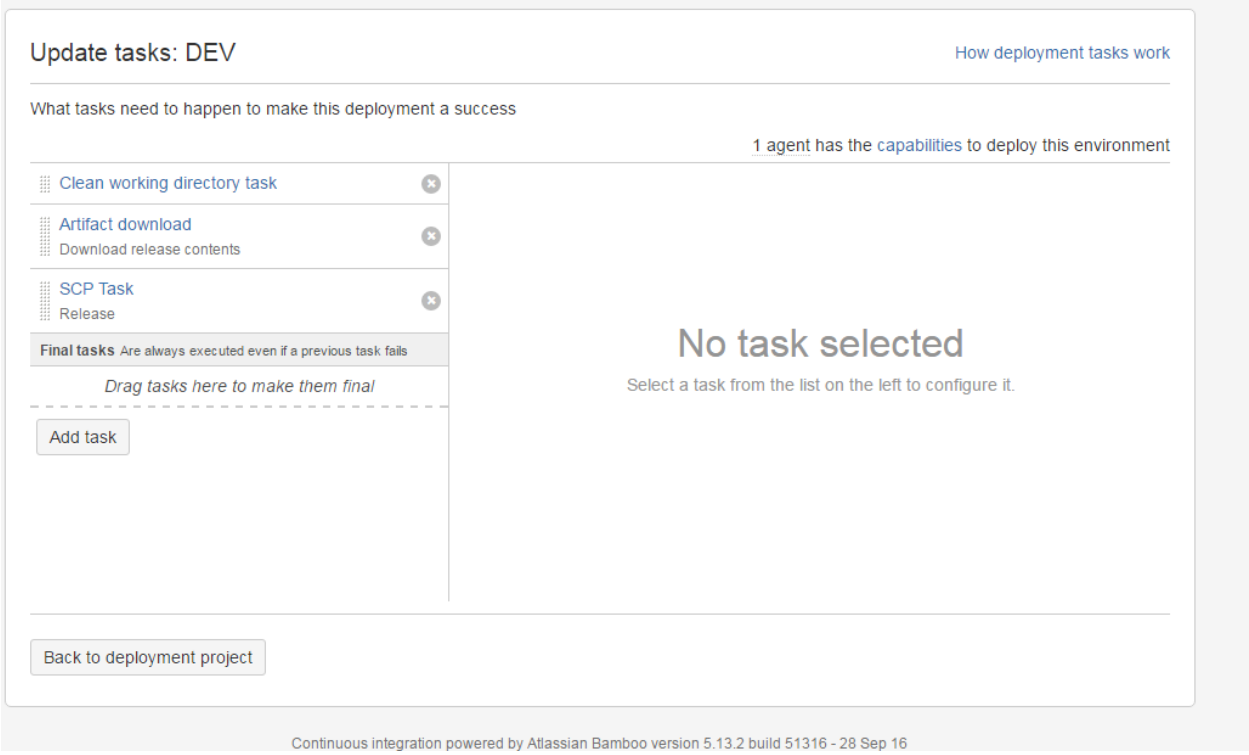

Figure 5: Configuration of Deployment stages

e. SCP task copies artifacts to Mule server:

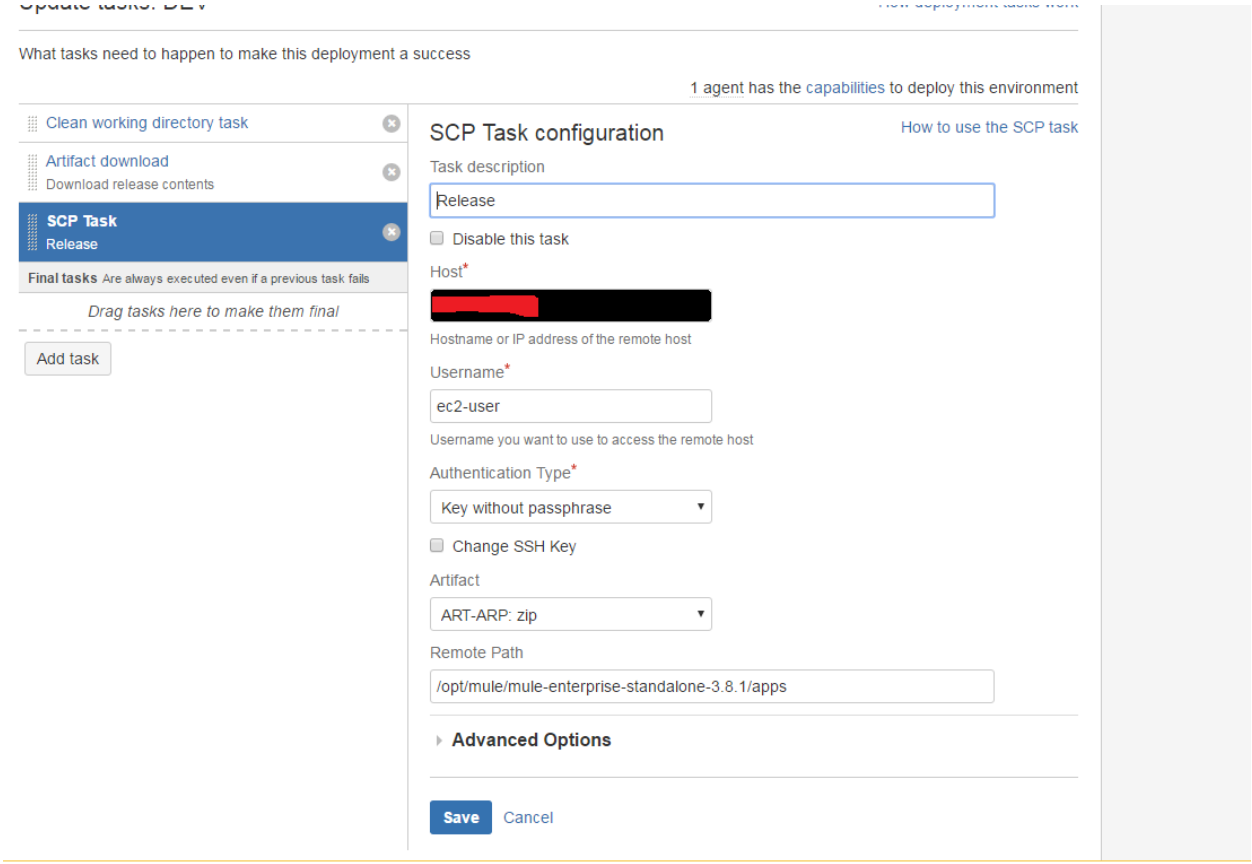

Figure 6: SCP details

f. Configure trigger for deployment:

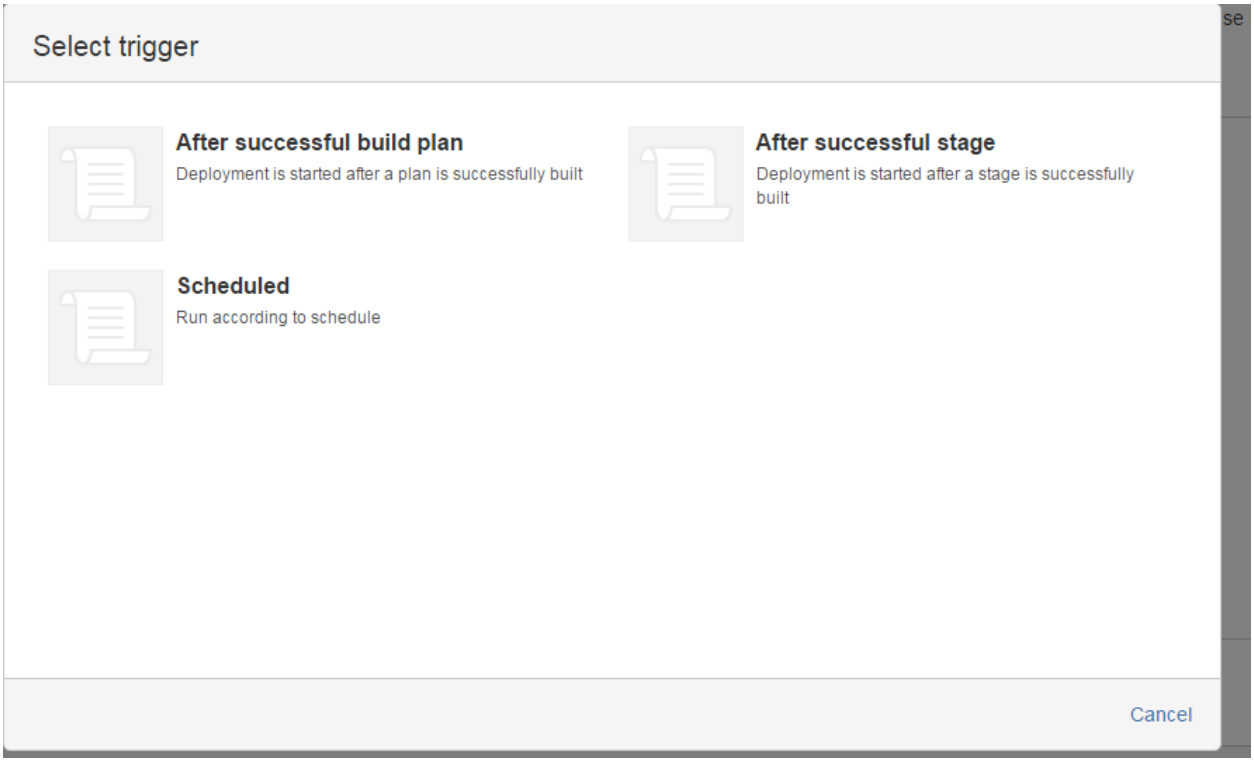

Figure 7: Trigger setup

g. Run deployment.

Setting of pipeline to push code from DEV to QA:

a. Logical trigger point to deploy DEV code to QA environment would be "verification of functional test results deployed in DEV". We have tried to achieve that using bamboo trigger events and components. Snippet below shows script which checks "http:status code only if it's values comes as '200' DEV deployment stages would be marked completed else scripts throws error".

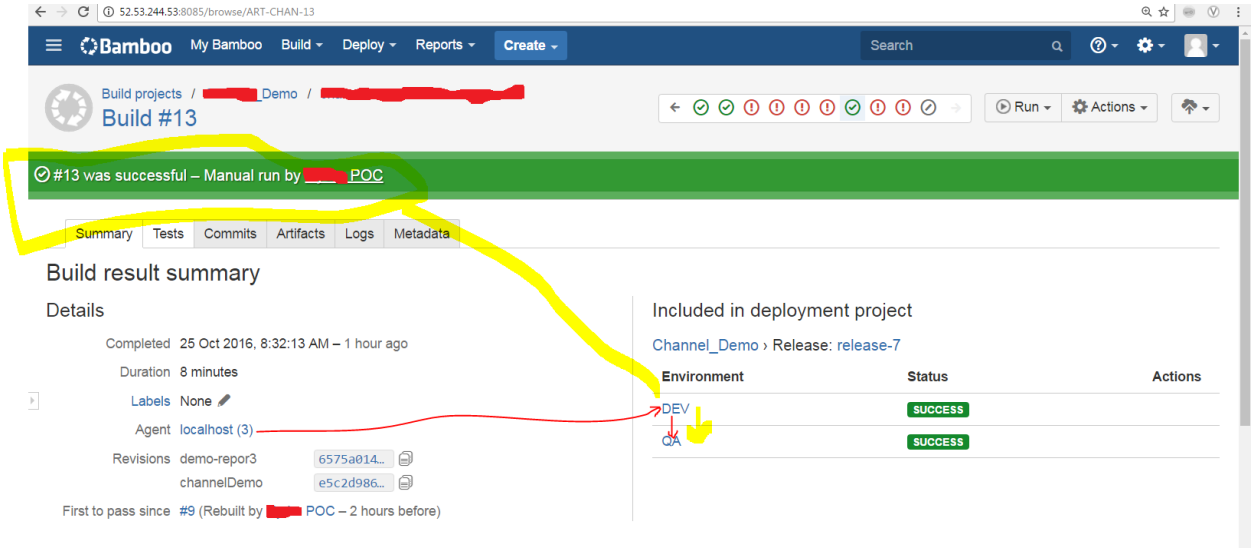

Figure 8: Showing pipeline

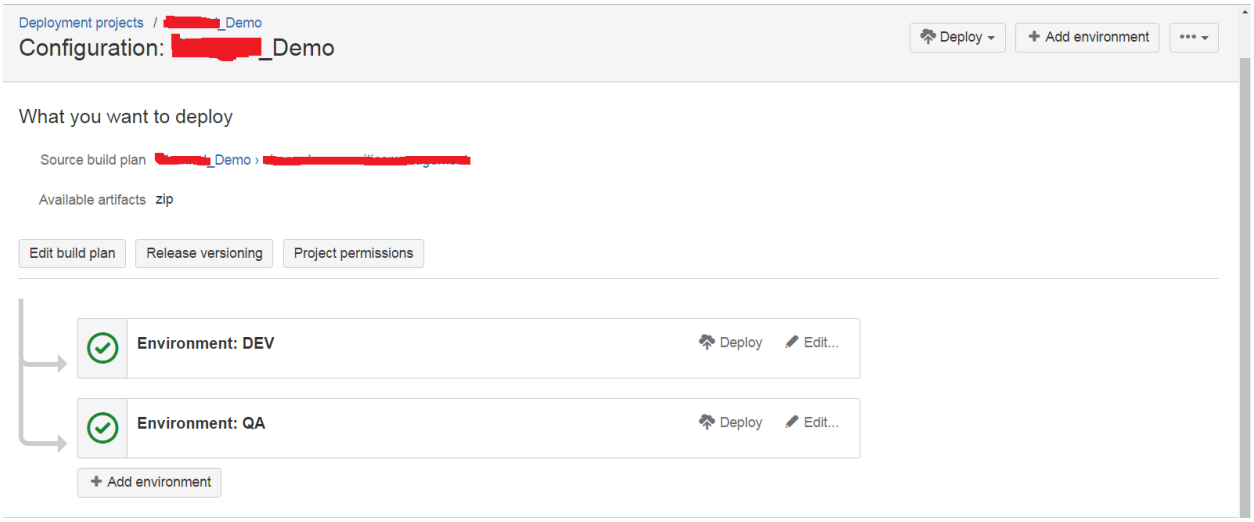

Figure 9: Showing two environment setup

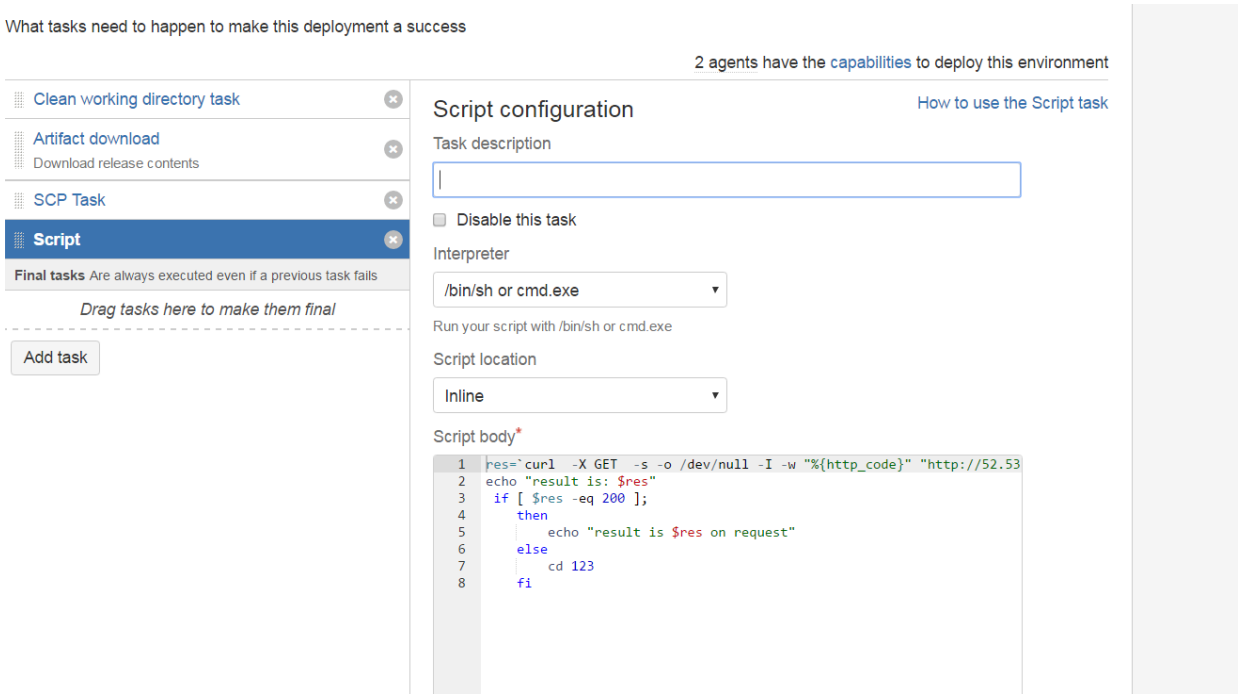

Figure 10: Functional verification step

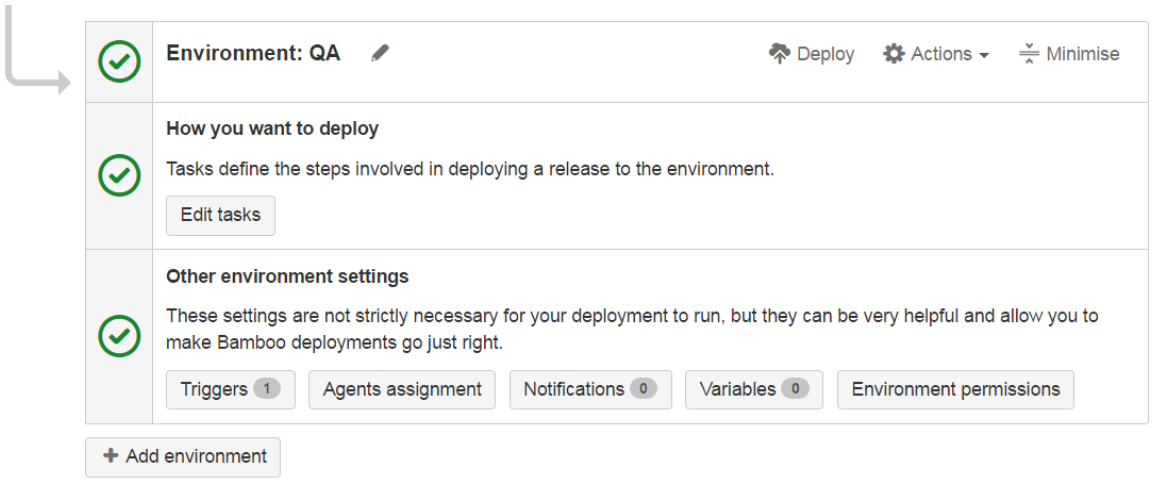

Figure 11: QA environment setup

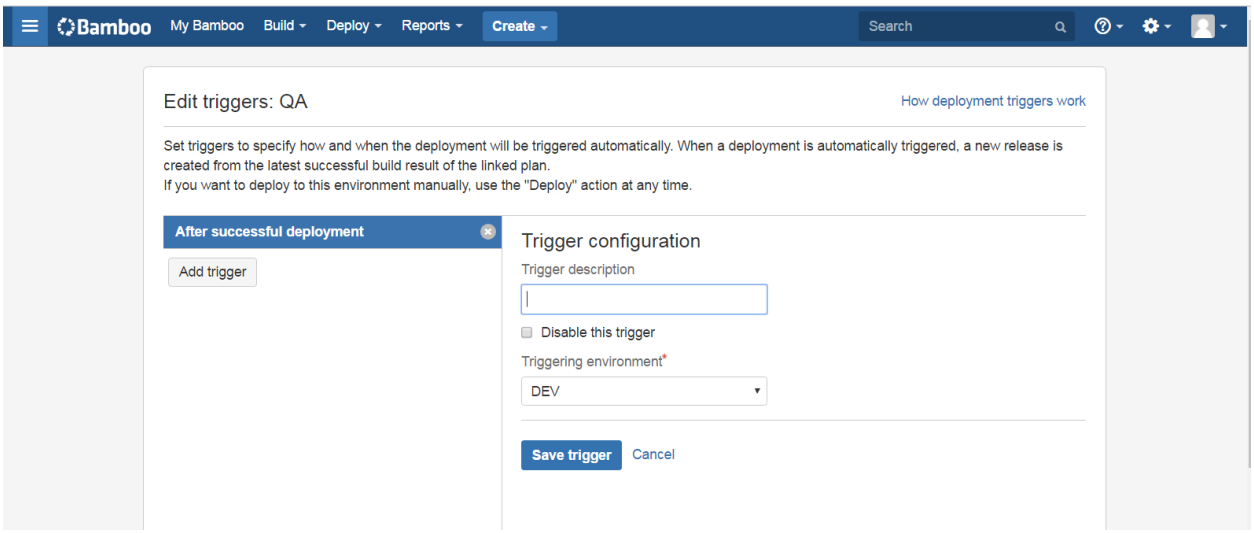

Figure 12: QA environment trigger