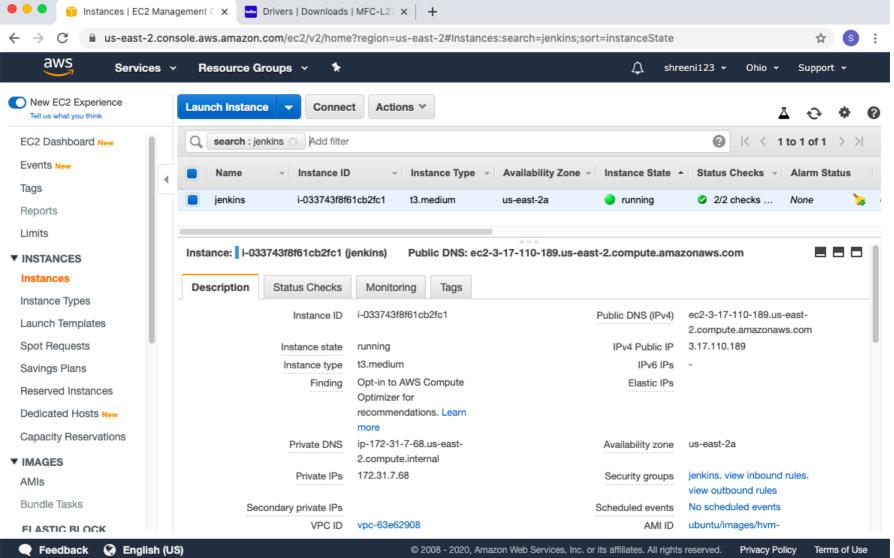
# Capstone project – blue green deployment Shree lyer 12/06/2020

# 2. Spin EC2 instance for Jenkins, Docker, Kubectl





# 3. Jenkins up and running

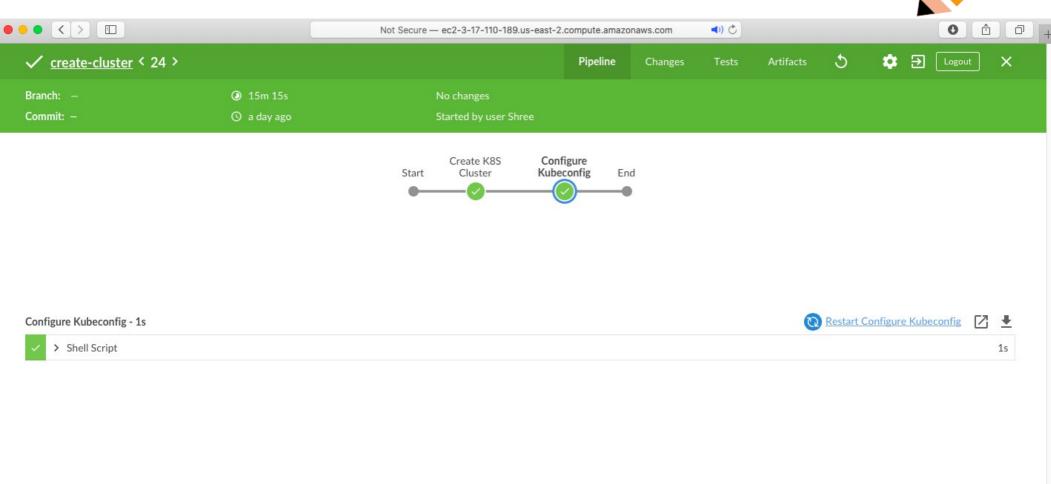


Not Secure — ec2-3-17-110-189.us-east-2.compute.amazonaws.com ◀1) ♂	0 0 0

Welcome to Jenkins				
Username				
Password				
	Sign in			

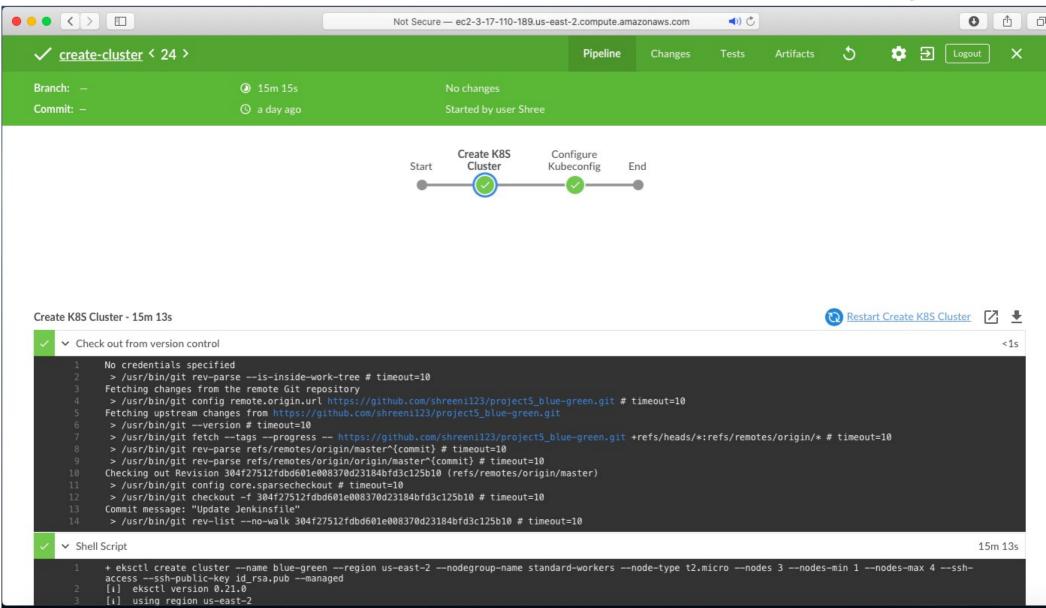
# 4. "Create cluster" pipeline





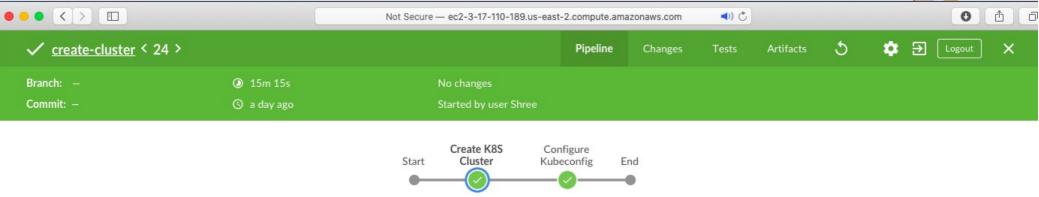
## 4a. Create K8S cluster Slide 1

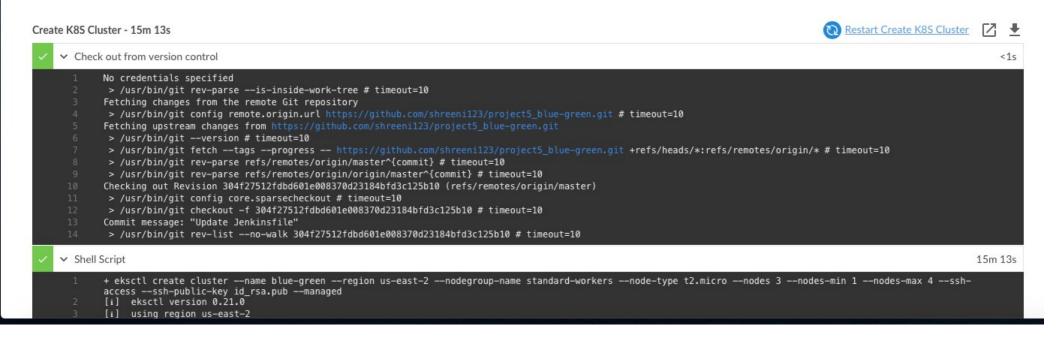




# 4a. Create K8S cluster Slide 2

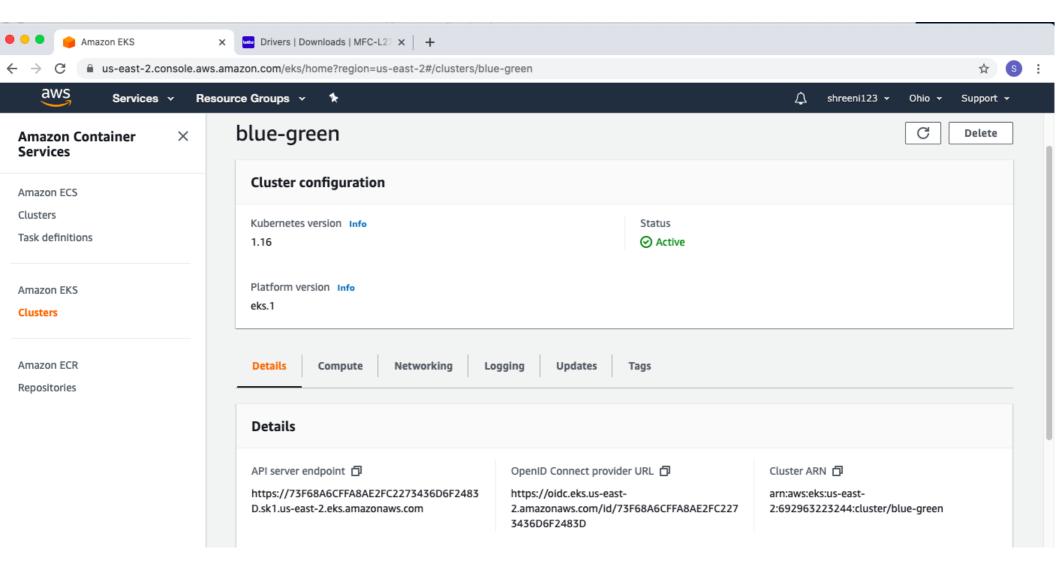






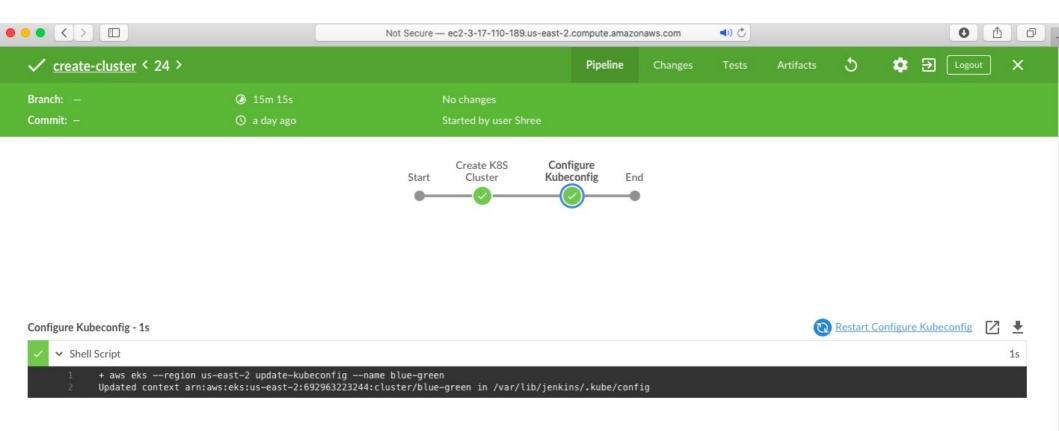
# 4a. Kubernetes cluster formed in EC2





# 4b. Configure Kubeconfig



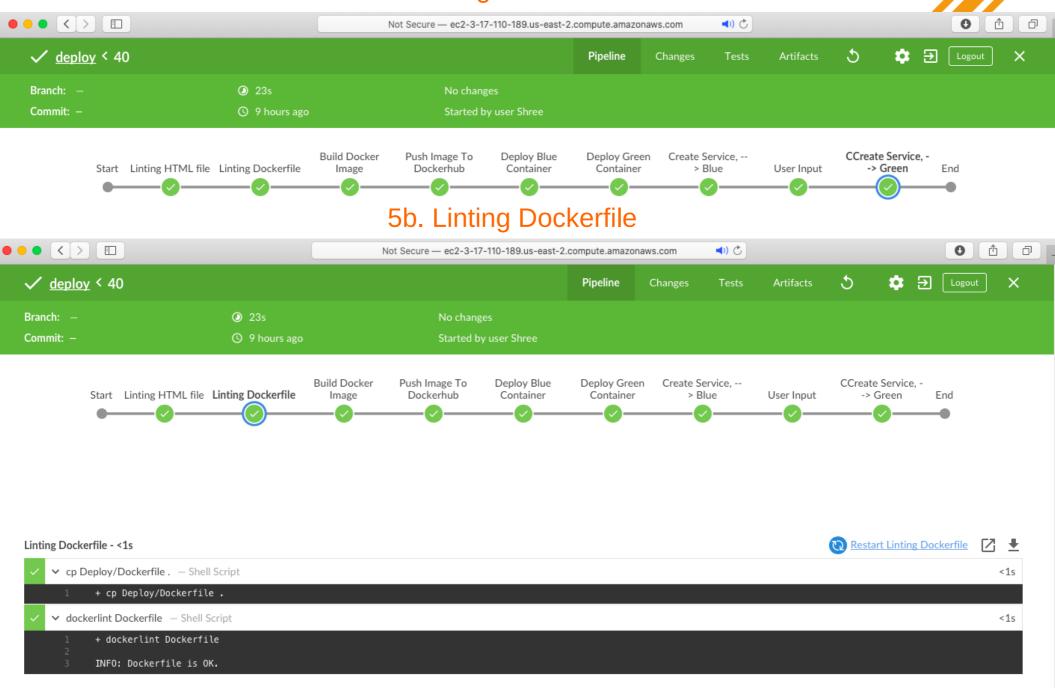


# 5. "Deploy" pipeline

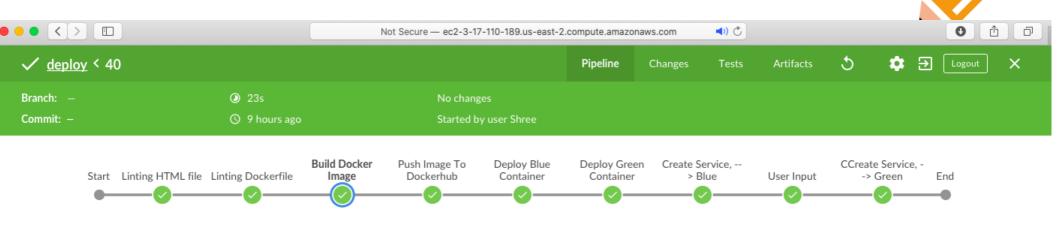




### 5a. Linting HTML file

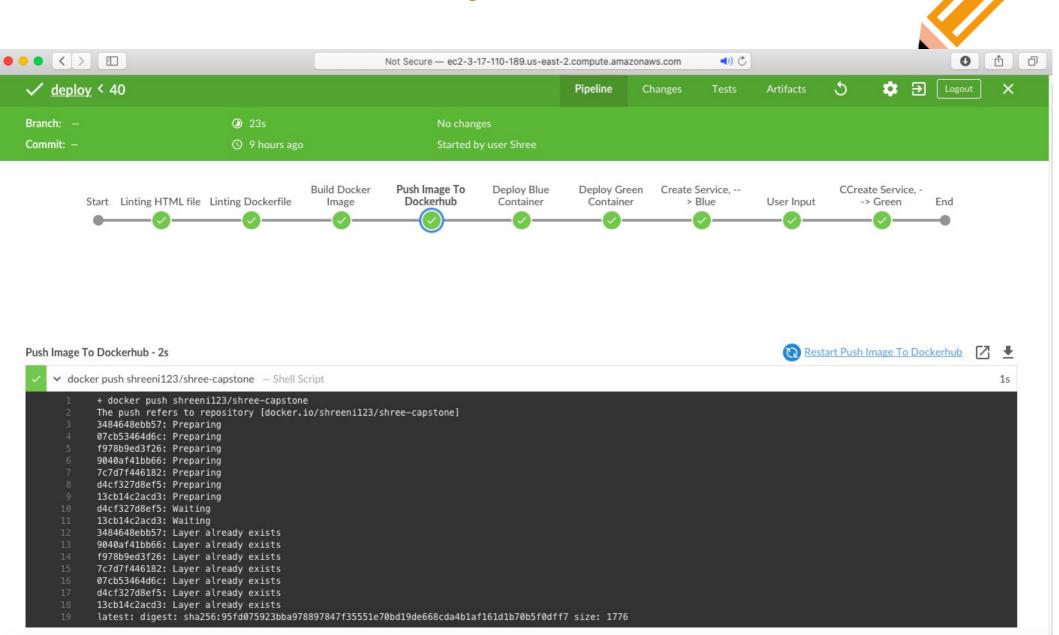


### 5c. Build Docker Image



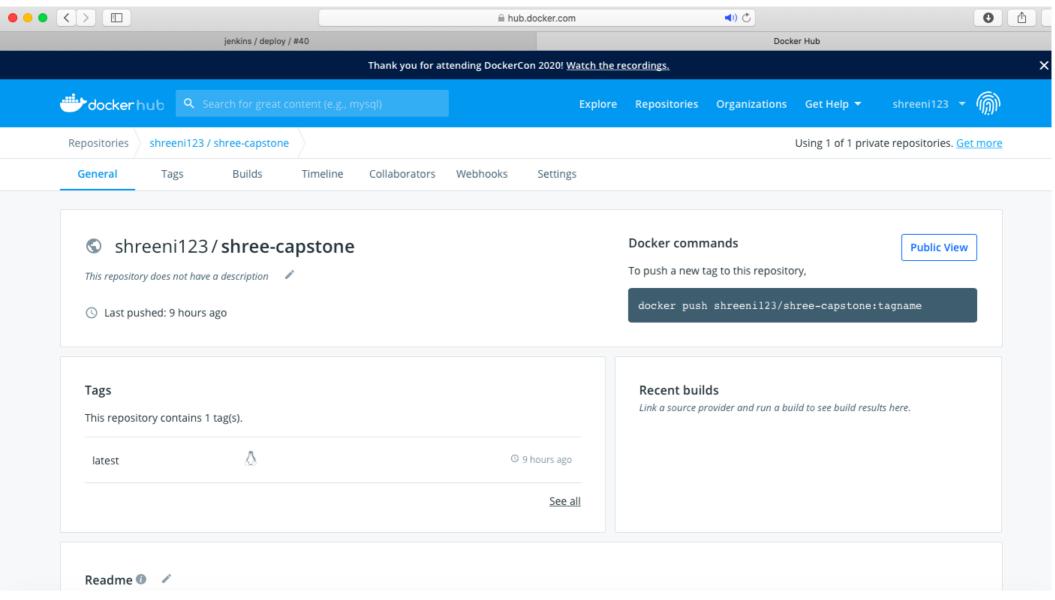


### 5d. Push image to Docker Hub



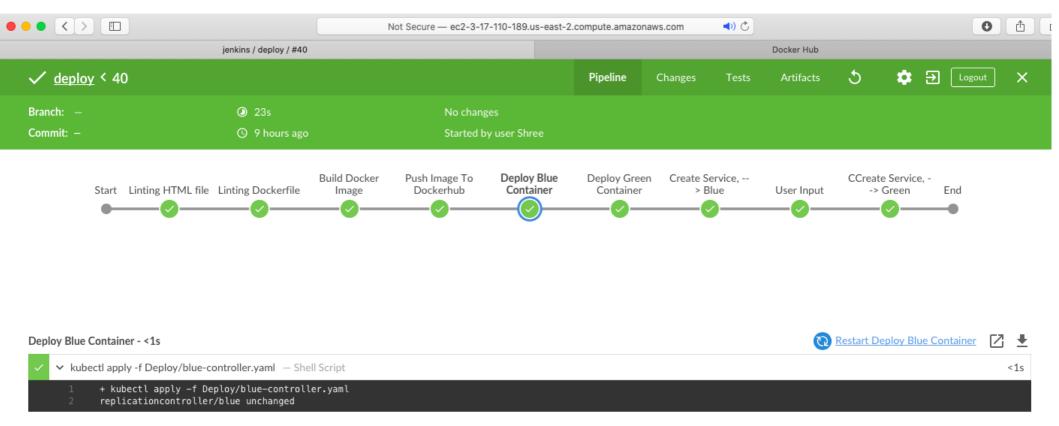
### 5d. DockerHub





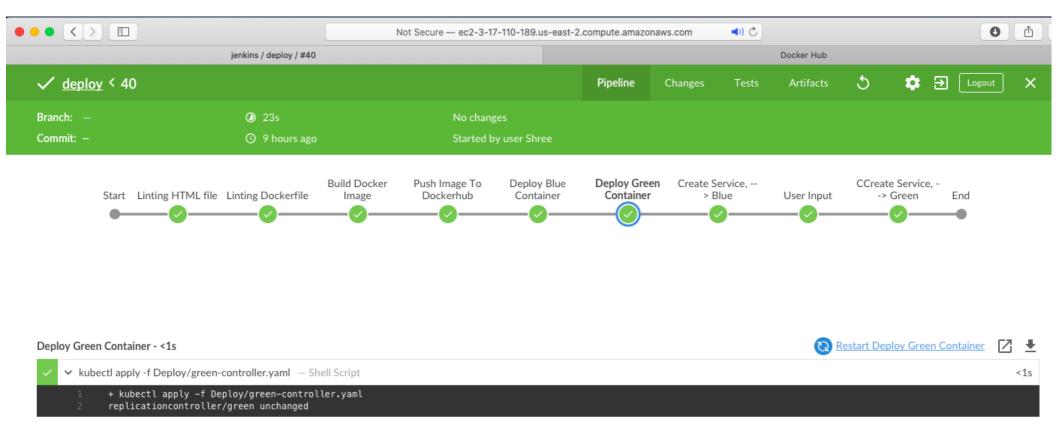
### 5f. Deploy blue container





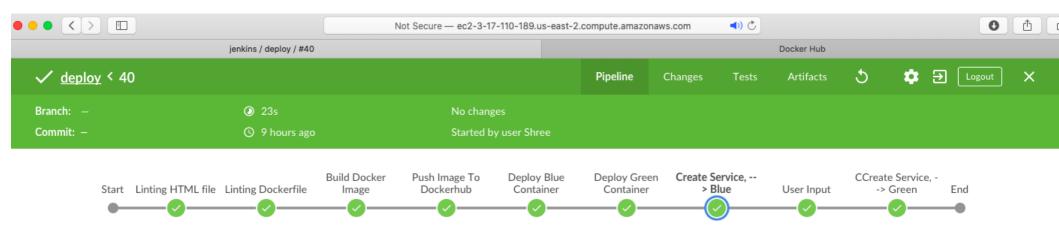
### 5g. Deploy green container

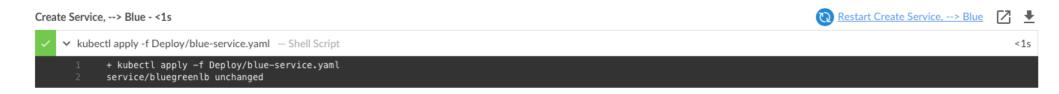




### 5h. Create blue service

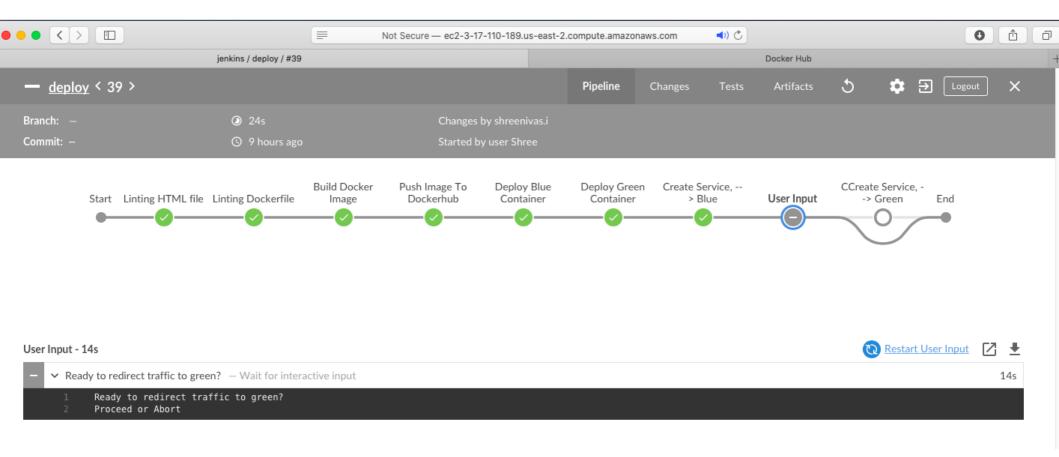






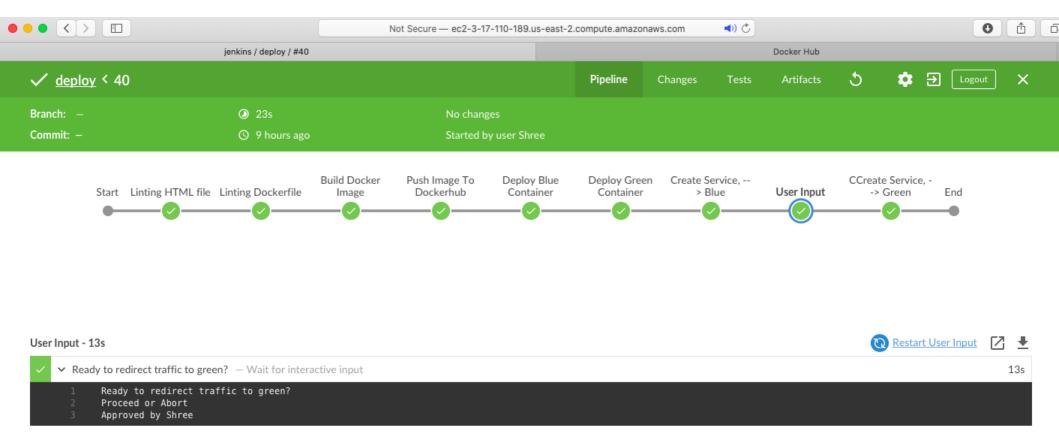
### 5j. Scenario 1 – Abort green service





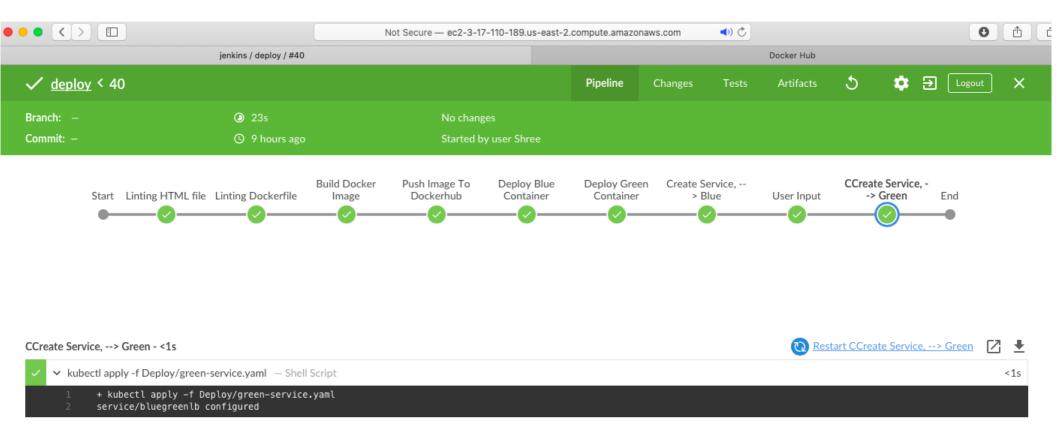
### 5k. Scenario 2 – Approved for green





### 5l. Scenario 2 – Create green service





### 6. Jenkins master "kubectl get all" output



NAMESPACE	NAME	READY	STATUS	RESTART	S AGE					
lefault	pod/blue-62ph4	1/1	Running	0	3m27s					
lefault	pod/green-8w4b9	1/1	Running	0	3m26s					
ube-system	pod/aws-node-bvb9z	1/1	Running	0	16h					
ube-system	pod/aws-node-rcdrq	1/1	Running	0	16h					
ube-system	pod/aws-node-xt5fj	1/1	Running	0	16h					
ube-system	pod/coredns-bd44f767b-kb	26r 1/1	Running	0	16h					
ube-system	pod/coredns-bd44f767b-sk	9tm 1/1	Running	0	16h					
cube-system	pod/kube-proxy-7wvwz	1/1	Running	0	16h					
cube-system	pod/kube-proxy-g9159	1/1	Running	0	16h					
cube-system	pod/kube-proxy-swtdf	1/1	Running	0	16h					
IAMESPACE N	IAME	DESIRED	CURRENT	READY	AGE					
lefault r	eplicationcontroller/blue	1	1	1	3m27s					
lefault r	replicationcontroller/gree	n 1	1	1	3m26s					
IAMESPACE	NAME TY	PE	CLUSTER-I	P EX	TERNAL-IP				PORT(S)	AGE
lefault	service/bluegreenlb Lo	adBalancer	10.100.60	.216 ac	38fa23ed6d046	06cba60586fbb	oa6e66-1454365098	8.us-east-2.elb.amazonaws.com	8000:30942/TCP	3m25s
lefault	service/kubernetes Cl	usterIP	10.100.0.	1 <n< td=""><td>one&gt;</td><td></td><td></td><td></td><td>443/TCP</td><td>16h</td></n<>	one>				443/TCP	16h
ube-system	service/kube-dns Cl	usterIP	10.100.0.	10 <n< td=""><td>one&gt;</td><td></td><td></td><td></td><td>53/UDP,53/TCP</td><td>16h</td></n<>	one>				53/UDP,53/TCP	16h
IAMESPACE	NAME	DESIRED	CURRENT	READY	UP-TO-DATE	AVAILABLE	NODE SELECTOR	AGE		
ube-system	daemonset.apps/aws-node	3	3	3	3	3	<none></none>	16h		
ube-system	daemonset.apps/kube-prox	у 3	3	3	3	3	<none></none>	16h		
IAMESPACE	NAME	READY U	P-TO-DATE	AVAILABL	E AGE					
ube-system	deployment.apps/coredns	2/2 2		2	16h					
AMESPACE	NAME		DESIRED	CURRENT	READY AGE					
ube-system	replicaset.apps/coredns-	bd44f767b	2	2	2 16h					

### 7. Output





Hello World! Welcome to Shree's Blue-Green Deployment!