

Testing (TungstenFabric)

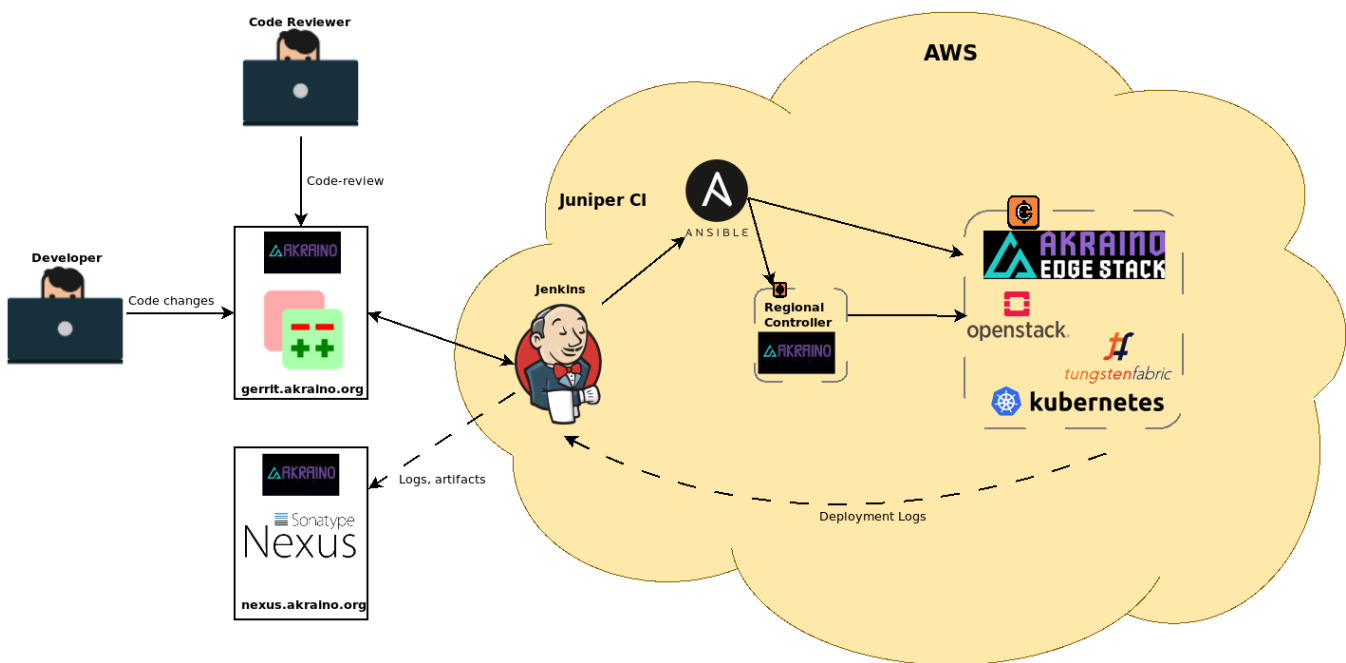
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Overall Test Architecture

The diagram depicts current CI process. For every new patch set Jenkins creates new Regional Controller and instance for deployment airship+tungstenfabric.

Then Regional Controller initiates the process of deployment Airship-in-a-bottle and waits for the process to finish. Usually it takes 5-6 hours.

Then Jenkins collects all the deployment logs and uploads them to [Nexus](#). The deployment is considered to be successful or failed according to the deployment logs.



Test Procedure

The internal airship sanity tests are used at the moment. They are the part of airship project.

At the end of airship-in-the-bottle deployment script shows state for every shipyard step.

Criteria of successful deployment:

All shipyard steps has state **success**. Please see the example bellow:

Example of successful deployment log

Action Notes:

```
> action metadata:01DS13D4JB1YZVVA5ZWPQ4F976(2019-11-06 19:35:04.156720+00:00): Configdoc revision 2
```

```
action/01DS13D4JB1YZVVA5ZWPQ4F976 completed SUCCESSFULLY
```

```
Name:          deploy_site
Action:        action/01DS13D4JB1YZVVA5ZWPQ4F976
Lifecycle:     Complete
Parameters:    {}
```

Datetime: 2019-11-06 19:35:02.987188+00:00
Dag Status: success
Context Marker: 95f18fee-487c-4912-bcca-ccae130feebc
User: shipyard

Steps	Index	State
Footnotes		
step/01DS13D4JB1YZVVA5ZWPQ4F976/action_xcom	1	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/dag_concurrency_check	2	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/get_rendered_doc	3	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/deployment_configuration	4	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/preflight	5	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/validate_site_design	6	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/drydock_build	7	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/verify_site	8	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/armada_build	9	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/armada_get_status	10	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/prepare_site	11	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/armada_post_apply	12	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/create_action_tag	13	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/ucp_preflight_check	14	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/deployment_status	15	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/deckhand_validate_site_design	16	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/armada_validate_site_design	17	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/drydock_validate_site_design	18	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/promenade_validate_site_design	19	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/prepare_and_deploy_nodes	20	success
(1)		
step/01DS13D4JB1YZVVA5ZWPQ4F976/armada_get_releases	21	
success		
step/01DS13D4JB1YZVVA5ZWPQ4F976/final_deployment_status	22	
success		

Step Footnotes
Note

(1) > Deployment Groups:deploy_site(2019-11-06 19:38:22.826335+00:00): Stage.DEPLOYED: masters (critical), workers(critical)

Commands	User	Datetime
invoke	shipyard	2019-11-06 19:35:04.165353+00:00

Test Results

Example of successful CI log

https://nexus.akraino.org/content/sites/logs/juniper/job/NC-Tungsten_Fabric/40/logs/airship-in-a-bottle.output.log