



Deployment Checklist & Testing Report

THE QLIKTAG PLATFORM V3.0.2

Version 1.0

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DEPLOYMENT CHECKLIST

This document describes the activities performed after production environment setup and deployment is completed. The aim of this is to verify and confirm the environment is functioning as expected.

Date	Verified By	Reviewed By	Comments
23 Mar 2020	Mohit Kumar	Ram Prasad Palugula	

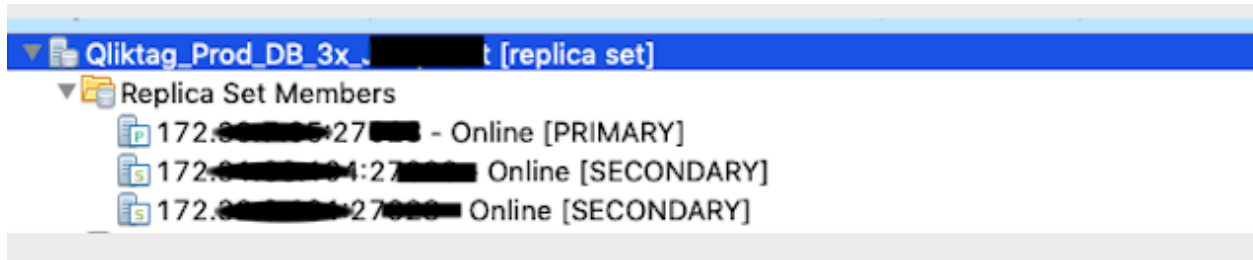
Environment	Description
Production Live	Production environment
Production DR Environment	Disaster Recovery environment
Sandbox	A sandbox environment on same production code version which is used for testing's or pre-production development by enterprise customers

Production Environment

S No	Review Item	Result (Pass/Fail)
1	Verify the database replica set connection	Pass
2	Verify the Elasticsearch status	Pass
3	Verify the bitbucket pipeline status	Pass
4	Verify lambda service status in AWS console	Pass
5	Verify the lambda service running on NodeJS 10.x	Pass
6	Verify the web application is deployed with Angular correctly	Pass
7	Verify the API health status /api/health	Pass
8	Browse the web application and verify the page loading	Pass
9	Verify the login to the web application	Pass
10	Navigate inside the web application and verify few pages	Pass
11	Test few API GET, POST operations	Pass
12	Verify emails send through application	Pass
13	Verify image uploads through API and web application	Pass
14	Verify few visual Interaction landing pages	Pass
15	Verify the cloudwatch logs	Pass

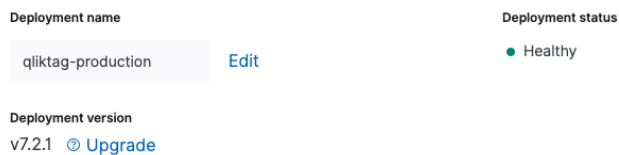
Below are the proof of screen shots for each review item:

SNo #1



SNo #2

qliktag-production



SNo #3

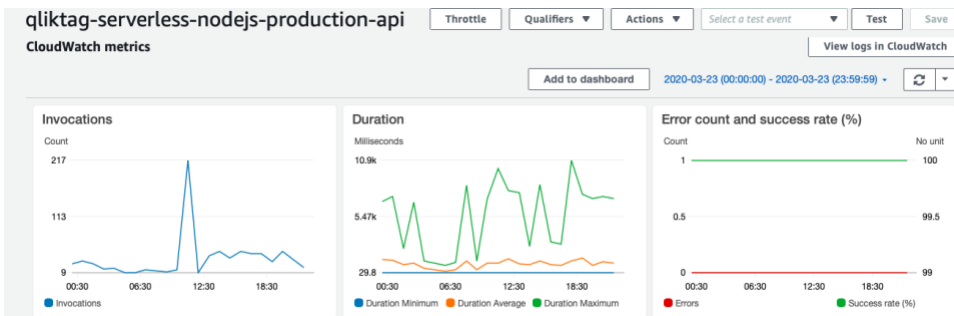
QliktagWeb application deployment

```
Build
Build setup 23s >
echo "Pipeline Started for Production3x(qliktagweb) enviroment bran... <1s >
node -v <1s >
npm install 42s >
npm run-script build 4m 32s >
aws s3 rm --recursive s3://qliktag-ui-static/production/qliktagweb/ 10s >
aws s3 cp dist/ s3://qliktag-ui-static/production/qliktagweb/ --recu... 14s >
aws s3 rm --recursive s3://qliktag-ui-static-dr/production/qliktagwe... 18s >
aws s3 cp dist/ s3://qliktag-ui-static-dr/production/qliktagweb/ --r... 45s >
echo "Pipeline Completed for Production3x(qliktagweb) enviroment bra... <1s >
Build teardown 44s >
```

QliktagAPI application deployment

```
Build docker
sls deploy --stage production 1m 26s >
sls deploy --stage production --config serverless-dr.yml 1m 43s >
echo "Pipeline Completed for production3x enviroment branch" <1s >
echo "Serverless cloudformation deployment is completed successfully" <1s >
apt-get update && apt-get install -y python3-pip 10s >
pip3 install -U awscli 14s >
eval $(aws ecr get-login --no-include-email --region us-east-1) <1s >
docker build -f docker/Dockerfile -t qliktag-3x-container-production... 28s >
echo "Docker image build is completed successfully" <1s >
docker tag qliktag-3x-container-production:latest 781463471155.dkr.e... <1s >
docker push 781463471155.dkr.ecr.us-east-1.amazonaws.com/qliktag-3x-... 24s >
echo "Successfully pushed the docker image to repository" <1s >
Build teardown <1s >
```

SNo #4



SNo #5

	Function name	Description	Runtime
<input type="radio"/>	qliktag-serverless-nodejs-production-adminapi		Node.js 10.x
<input type="radio"/>	qliktag-serverless-nodejs-production-api		Node.js 10.x
<input type="radio"/>	qliktag-serverless-nodejs-production-redapi		Node.js 10.x

SNo #6

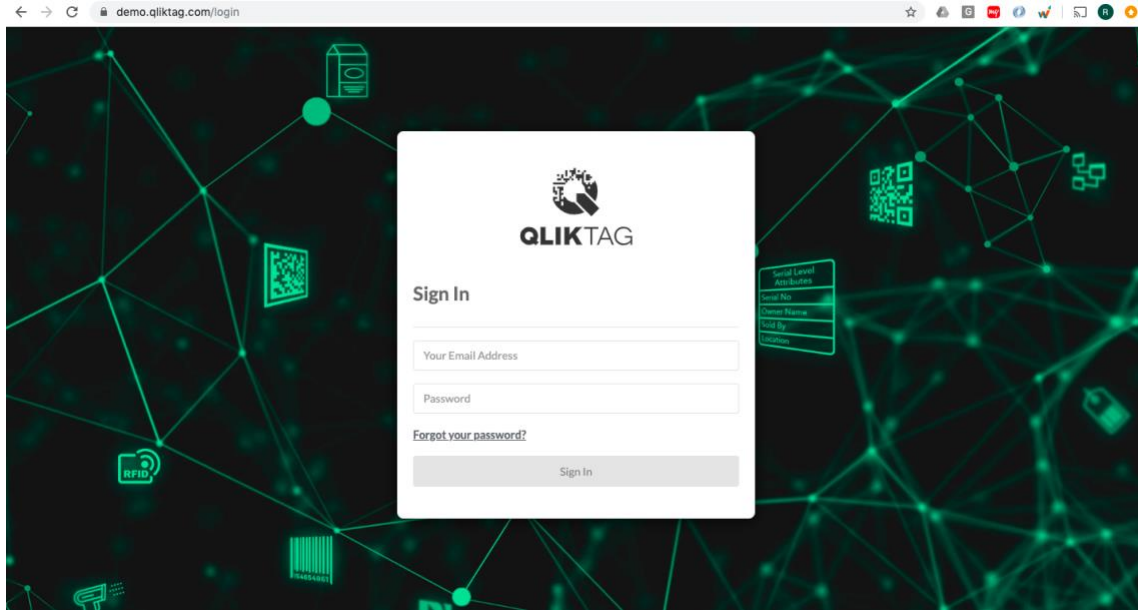
```
Angular CLI: 6.2.8
Node: 10.14.1
OS: darwin x64
Angular: 6.1.10
... animations, common, compiler, compiler-cli, core, forms
... http, language-service, platform-browser
... platform-browser-dynamic, router

Package                       Version
-----
@angular-devkit/architect     0.11.4
@angular-devkit/build-angular 0.11.4
@angular-devkit/build-optimizer 0.11.4
@angular-devkit/build-webpack 0.11.4
@angular-devkit/core          7.1.4
@angular-devkit/schematics    0.8.8
@angular/cdk                  6.4.7
@angular/cli                   6.2.8
@angular/flex-layout          6.0.0-beta.18
@angular/material             6.4.7
@ngtools/webpack              7.1.4
@schematics/angular           0.8.8
@schematics/update            0.8.8 (cli-only)
```

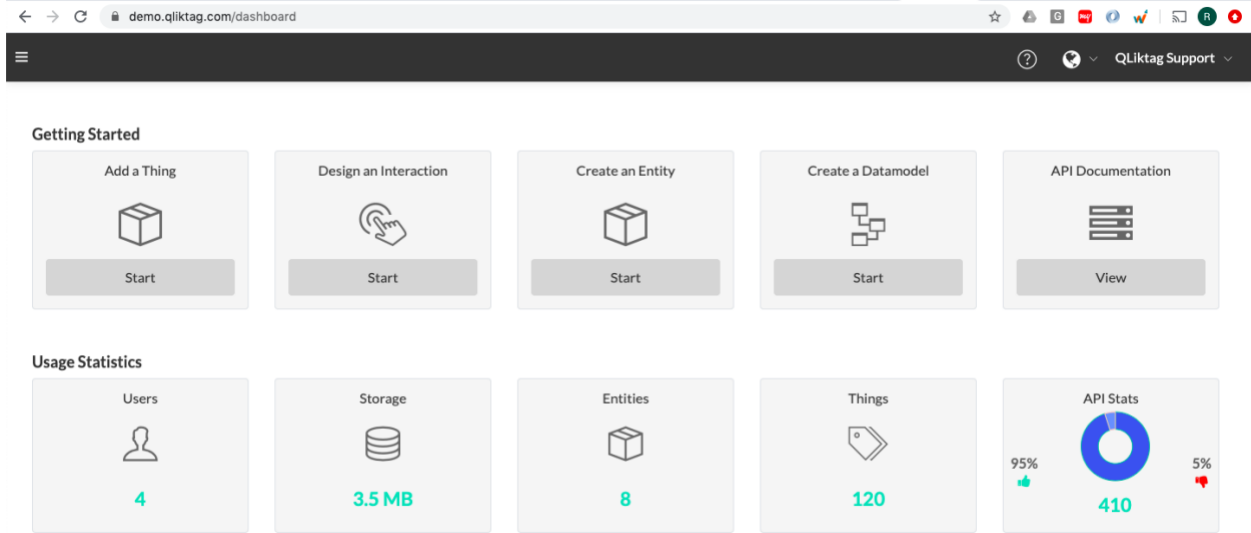
SNo #7

```
← → ↻ demo.qliktag.com/api/health
{
  healthStatus: "green",
  time: "2020-03-23T011:45:46.342Z"
}
```

SNo #8



SNo #9



SNo #10

demo.qliktag.com/users

Qliktag Support

Users

+ Create User

Users

First Name	Last Name	Email	Status	
neil	sequeira	neil.sequeira@qliktag.com	ACTIVE	
Demo	Qliktag	support@qliktag.com	ACTIVE	
Arjun	Viswanathan	arjun.viswanathan@qliktag.com	ACTIVE	
Dilip	Daswani	dilip.daswani@qliktag.com	ACTIVE	
4 total				

SNo #11

GET API

GET /api/account

Get account details in controller

Parameters Cancel

Name	Description
content-type *required string (header)	Content-type of Response application/json -
page integer (query)	Page number page - Page number
items_per_page integer (query)	Items per page items_per_page - Items pe
sort string(\$string) (query)	Sort by field Name sort - Sort by field Name
sort_order string (query)	Sort Order --
queryString string(\$string) (query)	&key1=val1&key2=val2 queryString - &key1=val1&

Execute Clear

Responses

Curl

```
curl -X GET "https://demo.qliktag.com/api/account" -H "accept: */*" -H "content-type: application/json" -H "Authorization: Bearer 25ff791f-bff4-479e-a2a1-3650a923f09c"
```

Request URL

```
https://demo.qliktag.com/api/account
```

Server response

Code Details

200 Response body

```
{
  "requestStatus": true,
  "errors": [],
  "warnings": [],
  "requestedAt": "2020-03-23T12:30:40.345Z",
  "data": {
    "account": [
      {
        "accountName": "Master Account",
        "status": "activated",
        "_accountId": "add121d0-ed88-11e9-b5b0-a1965f06ac07",
        "createdBy": {
          "user": ""
        }
      }
    ]
  }
}
```

Down

POST API



POST /api/oauth

Create and Refresh the Authorization Token for validating the incoming request to the system

Parameters Cancel

No parameters

Request body **required**

Edit Value | Model

```
{
  "data": {
    "email": "#####qliktag.com",
    "password": "#####",
    "grantType": "password"
  }
}
```

Cancel Reset

Execute Clear

Responses

Curl

```
curl -X POST "https://demo.qliktag.com/api/oauth" -H "accept: */*" -H "Authorization: Bearer 25ff791f-bff4-479e-a2a1-3650a923f09c" -H "Content-Type: application/json" -d "{\"data\":
```

Request URL

```
https://demo.qliktag.com/api/oauth
```

Server response

Code **Details**

200 **Response body**

```
{
  "requestStatus": true,
  "errors": [],
  "warnings": [],
  "requestedAt": "2020-03-23T12:30:22.180z",
  "data": {
    "userId": "4fe9be90-063a-11ea-8bd6-2183ec0290b1",
```

SNo #12



Welcome!

Mohit,

Demo is now using The Qliktag Platform – An IoT Platform for Everyday Consumer Products! The system Administrator Demo has invited you to join. In order to activate your user account, you will have to first set a secure password. Once you've set a password, you can login to the system using the password and details below:

SNo #13

Through API

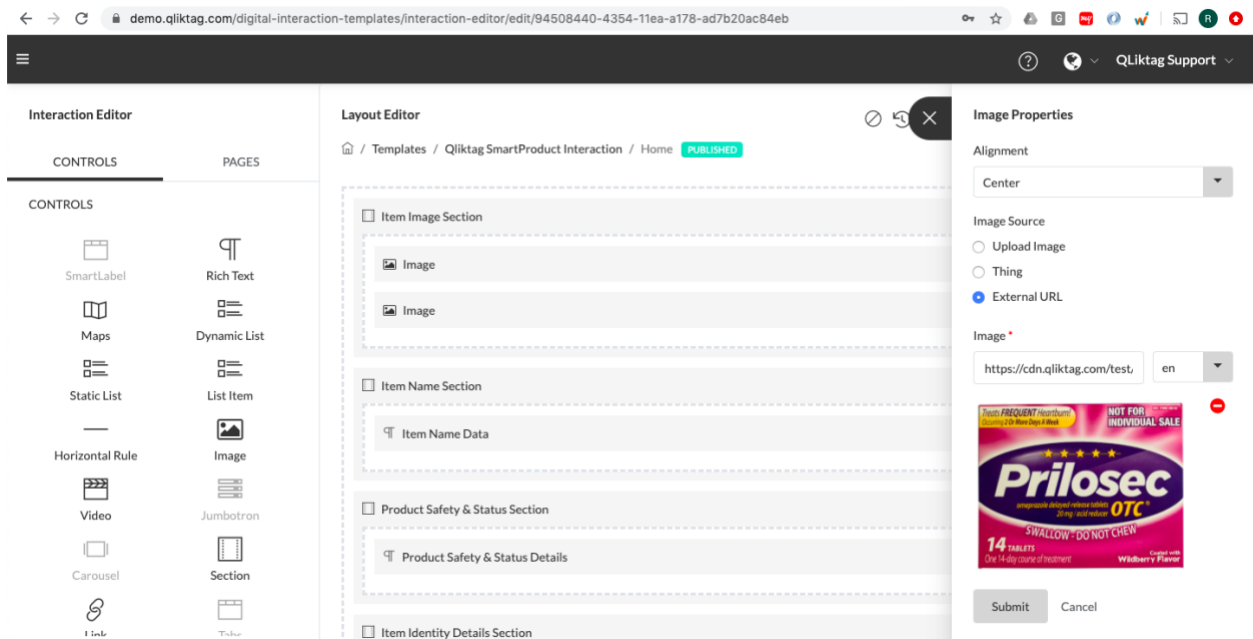
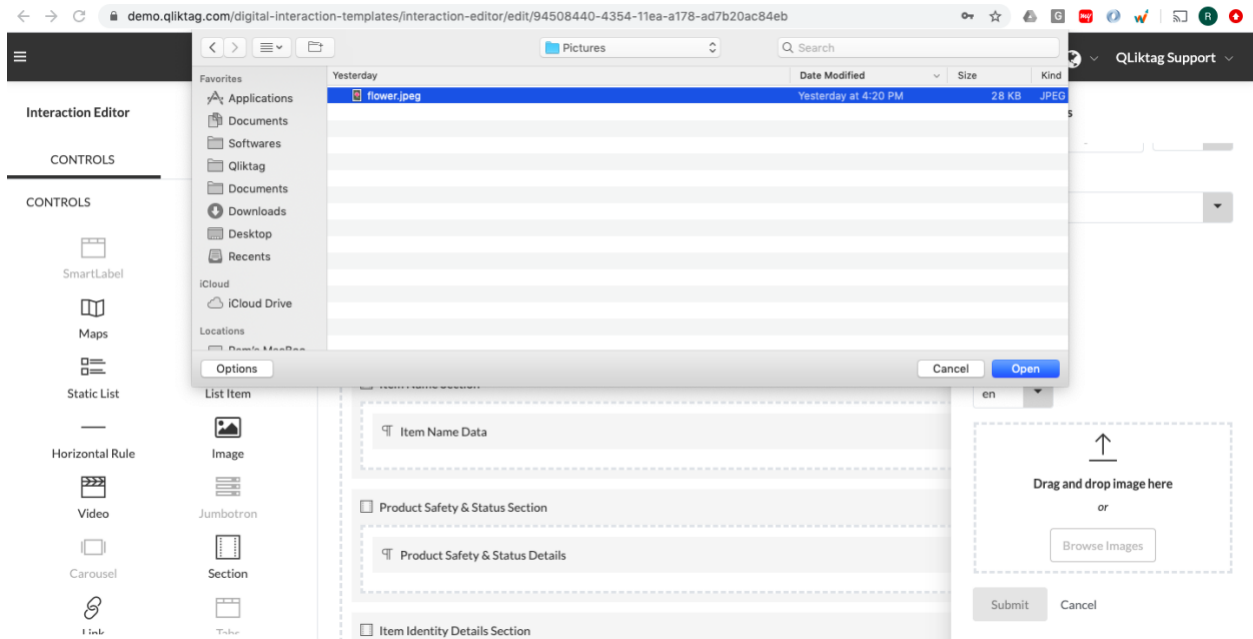
The screenshot shows an API client interface for a POST request to `/api/assets/upload/file`. The request body is a multipart form-data containing the following parameters:

- `use_file_name`: true
- `unique_file`: true
- `file`: roberto-linkam-6gw_dkt98-uxp1eah.jpg

The response body is a JSON object:

```
{
  "requestStatus": true,
  "errors": [],
  "warnings": [],
  "data": [
    {
      "fileId": 466202,
      "fileName": "https://cdn.qliktag.com/products/54a2edeb7b647206158bc15/roberto-linkam-6gw_dkt98-uxp1eah.jpg"
    }
  ]
}
```


Through UI



SNo #14

demo.qliktag.ag/... smartlabel

Head & Shoulders
Head & Shoulders Anti-Dandruff Shampoo
 180 ml



GPC: 1000834
04902430774130

- Ingredients & Contents
- Health, Safety & Environment
- Usage & Handling
- Features & Benefits
- Company, Brand & Sustainability

Human Health >

Storage and Disposal >

Environment >

Disclaimer: This label is for demo purposes only.

Feedback for Smartlabel

Facebook, Pinterest, Twitter icons

SNo #15

qliktag-serverless-nodejs-production-api

Throttle Qualifiers Actions Select a test event Test Save

Add to dashboard 2020-03-23 (00:00:00) - 2020-03-23 (23:59:59)

Recent invocations

#	Timestamp	RequestID	LogStream	DurationInMS	BilledDurationInMS	⌵
▶ 1	2020-03-23T23:59:14.743Z	b15ea303-897f-42fc-aae9-1d9eb13cb574	2020/03/23/(\$LATEST)je015a169b84e473dbb569f258a5f011	49.46	100	5
▶ 2	2020-03-23T23:51:14.850Z	7be39475-b594-48d4-ab8b-d42df865311	2020/03/23/(\$LATEST)je015a169b84e473dbb569f258a5f011	52.6	100	5
▶ 3	2020-03-23T23:47:24.038Z	9b2cc0fc-1322-441d-8a08-dd77373e45fc	2020/03/23/(\$LATEST)je015a169b84e473dbb569f258a5f011	901.66	1000	5
▶ 4	2020-03-23T23:43:14.791Z	65e5b60d-100f-411b-9ed3-780fe08aa0ab	2020/03/23/(\$LATEST)je015a169b84e473dbb569f258a5f011	52.53	100	5
▶ 5	2020-03-23T23:35:15.060Z	15563c53-d77d-4e1c-a421-252c591b3cc2	2020/03/23/(\$LATEST)je015a169b84e473dbb569f258a5f011	329.94	400	5
▶ 6	2020-03-23T23:27:15.102Z	80309cab-0a36-4757-83fd-9c17c9166c69	2020/03/23/(\$LATEST)je015a169b84e473dbb569f258a5f011	184.27	200	5
▶ 7	2020-03-23T23:25:55.166Z	1a451f66-1fdf-4c0f-8138-3616fb01129a	2020/03/23/(\$LATEST)je015a169b84e473dbb569f258a5f011	1043.04	1100	5
▶ 8	2020-03-23T23:25:51.095Z	0aafeec5-bf45-400f-898f-27922bd5cab	2020/03/23/(\$LATEST)j3f0155345e3f4a43a5b5d72df53f625	816.29	900	5
▶ 9	2020-03-23T23:19:14.840Z	ad07eb6d-d869-456b-8b65-33191e2ae7eb	2020/03/23/(\$LATEST)j3f0155345e3f4a43a5b5d72df53f625	56.37	100	5

Production Disaster Recovery (DR) Environment

S No	Review Item	Result (Pass/Fail)
1	Verify the database replica set connection	Pass
2	Verify the Elasticsearch connection	Pass
3	Verify the bitbucket pipeline status	Pass
4	Verify lambda service status in AWS console	Pass
5	Verify the lambda service running on NodeJS 10.x	Pass
6	Verify the web application is deployed with Angular correctly	Pass
7	Verify the API health status /api/health	Pass
8	Browse the web application and verify the page loading	Pass
9	Verify cloudwatch logs	Pass

Sandbox Environment

Sandbox is a cloud account configuration with “<<controllerCode>>-sandbox” for enterprise customers in same production release code. Only below verification items are applicable as it runs in same production environment and verified under production environment deployment.

S No	Review Item	Result (Pass/Fail)
1	Browse the web application and verify the page loading	Pass
2	Verify the login to the web application	Pass
3	Navigate inside the web application and verify few pages	Pass
4	Test few API GET, POST operations	Pass
5	Verify emails send through application	Pass
6	Verify image uploads through API and web application	Pass
7	Verify few visual Interaction landing pages	Pass