CONduit

Test plan

1. Introduction
   1. Purpose of this Test plan

The purpose of this document is to specify performance requirements and conditions for Conduit website. The document will outline the Soak Test scenarios, test cases, parameters and data used in evaluating the capacity of the included features.

* 1. Test plan identification

|  |  |
| --- | --- |
| Application Name | Conduit |
| Test Cases | Main page |
| Sign up |
| Sign in |
| Article creating |
| Setting |
| Profile |

1. Test description
   1. Test objectives
      1. Check test scripts workability
      2. Check application’s availability on selected environment
      3. Get basic response time for each tested item with no load
      4. Define capacity in term of number of concurrent virtual users
   2. Items to be tested
      1. Main page

- Open home page

- Select first/random tag

- Open first/random article

* + 1. Sign up

- Open Sign up page

- Enter the required data and click on the "Sign up" button

- Open the settings and check the correctness of the saved data

* + 1. Sign in

- Open sign in page

- Enter correct email and password

- Click on the "Sign in" button

- Open the profile and make sure that it matches the entered details for entering

* + 1. Article creating

- Open article creation page

- Correctly fill in all required fields and click "Publish article"

- Add a comment to the appropriate field and publish it

* + 1. Setting

- Open settings page

- Add / change data

- Click on the "Update settings" button

- Open the settings again and make sure that the new data is saved

- Click on the logout button

* + 1. Profile
  1. Items not to be tested
     1. Functionality of the whole website
     2. Features which are not implemented by the start of the performance testing
  2. Test data

Test data must be generated before starting testing

1. Suspension criteria and resumption requirements
   1. Suspension criteria
      1. Test environment issues (not ready, any trouble with accessing to it etc.)
      2. Not stable version of the application
      3. Test data issues (no test user or wrong credentials, incomplete data)
      4. Significant changes in workflow of functionality of the application which require updates in the test plan or scripts/scenarios
      5. Testing tools issues (load generation, monitoring)
   2. Resumption criteria
      1. Test plan is complete/updated and approved by Company and the client.
      2. Correct version is installed in performance testing environment, i.e. the version previously functionally tested and fixed if needed
      3. Test data is complete and in the performance testing environment in sufficient time to allow test scripts to be completed.
      4. Test accounts have been created in the performance testing environment in sufficient time to allow test scripts to be completed.
      5. Test scripts complete.
      6. All assigned resources are available to monitor the test.
      7. All parameter sets used in the script are generated based on the Database values.
2. Testing tasks
   * 1. Basic scripting
     2. Basic scenarios creation
     3. Setting up load generation tools
     4. Setting up monitoring and collecting tools
     5. Deployment stable version to environment
     6. Smoke testing
     7. Running set of performance testing:
        1. Capacity
        2. Regular load test (after definition of capacity)
        3. Volume
        4. Stress
        5. Durable (stability)
        6. Scalability
3. Test environment

Test environment should be described in Conduit strategy document.

1. Risks

Main risks are described in Conduit strategy document.