

UA Measurement WG Meeting

17 November 2022

Attendees

Nabil Benamar

Avetik Yessayan

Arnold Dangizyan

Jim DeLaHunt

Dr. Sudha Bhuvaneswari

Stephen Dakyi

Gopal Taepalli

Julien Bernard

Arnt Gulbrandsen

Sarmad Hussain

Seda Akbulut

Meeting Agenda:

1. Welcome and Roll Call
2. Demonstration of the test plan for the study on UA Readiness of Identity Platforms (Okta, Auth0, OpenIAM)
3. Continue discussion on M4 Action item: Characterize how much Android platform limits acceptance of IDNs in web browsing (UASG037)
 1. Identify the UA related constraints on applications running on Android platform)
 2. How does UTS #46 differ from IDNA 2008?
 3. Define the outcomes and objectives of the work
2. AOB

[Meeting recording](#): Passcode: zCcDfhd&6.

Meeting Notes

Seda started the meeting by welcoming everyone and sharing the agenda item of UA readiness of Identity platforms. Seda welcomed the guest speaker from Shirak Technologies, Avetik Yessayan.

Avetik stated that a brief report has been prepared explaining the work and tests to be done currently to identifying the gaps for UA readiness in three identity platforms: Okta, Auth0, and OpenIAM, based on the [Statement of Work \(SOW\)](#) that the Measurement WG developed.

He also stated the testing framework used includes identity platforms, browsers, operating systems and email exchange server. Emails with different kinds of TLDs, Unicode, Punycode and languages were tested on the mentioned framework.

Avetik explained the test cases and steps. Test cases included registering a new account, signing in already registered account, authenticate account using forgot password, authenticate user account using 2 factor authentication using OKTA, authenticate user account using 2 factor authentication using Auth0. Avetik also presented the reports generated after successful running of tests. He explained the automated flow of tests is in pipeline and Jenkins will be working at the background.

Arnold presented how to login to the HyeConnect system that was developed as a social networking platform by Shirak Technologies, and gave a demonstration by changing the authentication method. For each scenario, the previous data is deleted to use the same test email addresses. Avetik concluded the demo and asked if anyone had a question.

Q&A

- 1) Jim asked if the systems work with internationalized emails, and web mail service will not be a part of test failing. He asked whether Shirak has confirmed that webmail is ready for UA. Avetik mentioned that this will be done in the coming days. Until now the testing framework has been made smooth. He presented the emails which were given, and went to the web browser to login the test account using the test suite. He showed for each email address how to get to the mail account. He mentioned that along with email ID, SNMP and IMAP are required. Jim mentioned that as the present world scenario does not have internationalized domain names, extra steps are required.
- 2) Jim asked about the Arabic script email addresses (#34 in the list of test email addresses) as those were not properly shown in the Word document presented by Avetik. That looked like an issue with "Word". Avetik shared

that all other script email addresses are shown fine except Arabic. Jim asked if the UASG004 plain text document is accessible to Avetik or not as it has email addresses and domain names in correct script format. Sarmad seconded the idea. Avetik had the access and Seda also shared the link to the document in chat.

Seda explained to Avetik about the difference between the email addresses on UASG004, and the ones that Shirak were given for testing. For the specific test purpose in identity platforms, a suffix number 1 was added in all email IDs listed on UASG004 given to Shirak. ([تجربة-بريد-الالكتروني1@تجربة-](#)) ([القبول-الشامل.موريتانيا](#)) Avetik replied positively and shared that he will contact Seda if any more information is required or not.

Jim shared that non-Latin scripts have an issue in pdf format.

- 3) Sarmad asked if Avetik can summarize the next steps of the work and tentative deadlines of milestones to achieve. Avetik mentioned that by 25 November, the verification phase will be completed, and by the first week of December a report will be compiled and shared regarding the verification results.
- 4) Seda added that the level of UA support by the different SSO tools should be included in the executive summary as well.
- 5) Gopal asked about the email standard used for authorization. Avetik replied that the OAuth standard is used for authorization.
- 6) Jim asked Avetik if the SOW has something which is extremely difficult or hard to test. Avetik replied that the statement of work is precise and very clear.

Seda at this point asked the members of the Measurement Working Group regarding the feedback on the test plan presented by Shirak Technologies so that the plan can be updated. Avetik mentioned that about 90% of the work for the testing framework is already in place, and complete. All they need is just to run it. However, if there are any inputs at this stage or until the next week, they can still customize it.

- 7) Jim at this point shared his concern about the copy and paste of the email addresses in test files. If there is a scripting error, then errors may occur.

Avetik shared that the platform has Java Selenium integrated in it and email addresses are present in a csv file. Jim hoped that the Selenium's Unicode scripting had no bugs in it. Secondly webmail would be another risky area, and UA readiness of it should be confirmed.

8) Gopal asked Gopal whether OAuth2 is for authorization. Avetik confirmed. Gopal shared that OAuth2 uses authorization tokens between sender and receiver. He asked what would happen if the token was lost. Arnold shared that authorization will be failed until a new token is provided. Avetik asked Gopal if there was a problem. Gopal was concerned about the conclusion in case the authorization failed. Avetik shared that the test case will fail in this case. Arnold explained the failing scenario and the tokens generated in the backend.

9) Nabil asked a question after going through the report that concluded that "the Arabic email addresses are not shown in the correct national script". He asked what does "national" mean in this context. Avetik stated that it is the same issue presented previously in the Word file. He explained that this is a font issue.

Nabil further asked if is referring to different national formats? Otherwise it is misleading for the reader, because there is only one Arabic. Avetik shared that the script which is not ASCII or Latin is stated as National. Nabil stated that he understands the point of view, but the term can be misleading for some readers here. Jim here gave an input to use "**appropriate script for the given language**" instead of "national script". Nabil agreed. He further explained that the script is the writing system, and the language is the particular grammar and words that are made up using those written pieces.

Jim added that in fact it does not look like a font problem. But rather it could be a character coding problem. If it was a font problem, it would be showing the address with boxes.

10) Seda asked about whether the mentioned test cases in the report are mapped with the test report on the webpage for the results. Avetik shared that the test case flow is mapped on the test report results.

11) Regarding OAuth2, Gopal asked if SOW allows, it will be better to differentiate between how many test cases fail at authorization level, and how many fail at authentication level. Arnold stated that it is not in their

code. But if the 3rd party system allows capturing the details, they will definitely share that information in the report.

12) Gopal Tadepalli shared a comment in the chat:

“The token related failures are not the same as EAI login [email, password] failures. SOW permitting: Can we distinguish these two types of failures in the test cases? Please see if your system gets the details of authorization based on tokens and authentication based on EAI related test data.”

Next meeting: Thursday 01 December 2022 UTC 1600-1700

Action items

No.	Action Item	Owner
1	Incorporate the community feedback in the report and work.	Shirak Techologies
2	Share verification results of test emails, share test results	Shirak Techologies