Notes

UASG Call: Criteria for Evaluating Programming Languages and Frameworks with regard to their UA Compliance

2016-12-13

Attendance	Jim DeLaHunt, John Dickinson, Sara Dickinson, Jim Hague, Lars Steffan, Frank Michlick, Tex, Ram Mohan, Mark Svancarek, Abdalmonem Galila
Definitions	Extensive discussion on the term Programming Language. For the purpose of this document, which is an evaluation for UA Readiness, a Programming Language is: One or more <u>libraries</u> of a <u>programming language</u> within a <u>framework</u> on a specific version of an <u>operating system</u> Examples should be used to aid clarity The Remediation work may combine multiple libraries of a programming language for better effectiveness in a single task
Initial Observations	We do not need the era a programming languages comes from nor do we need to know whether it has network enabled communications.
Scored Evaluation Criteria	It was agreed that this would be a good approach to help in setting the priority of which remediation work to do first. Most of the evaluations will be binary – work or doesn't work.
2.1 TLD Evaluation	This section looks at whether a programming language provides an explicit function for Top Level Domain Names and, if it does, does it do it in accordance to UASG007 suggestions. Validation of syntax Validation in real-time against an authoritative source Validation again a frequently updated table from an authoritative source.
Next Steps	• Don to schedule another call – probably next week • Frank to put latest version in a Google Docs spot and allow people to make comments. https://docs.google.com/document/d/1oSFm8NeXzTvIvhzr9mKYVAk2t7KoD_pabcZ172nC1lI/edit?usp=sharing • Don to circulate details for accessing the call's recording. (attached) • Don to circulate records from the Chat (Attached)

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Access to recording:

Missed the meeting? Here's the replay info...	
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Conference Time:	9:53 AM (New Zealand Time)
REPLAY DETAILS:	
Replay Start Date:	Tuesday, December 13, 2016
Replay Start Time:	11:22 AM
Replay End Date:	Thursday, January 12, 2017
Replay End Time:	11:22 AM
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Local - Australia, Sydney	+61 (0)2 9101 1954
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Local - India, Mumbai	+91 (0)22 6101 4558
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Local - Ireland, Dublin	+353 (0)1 533 9810
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Local - Japan, Tokyo	+81 (0)3 4455 9755
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International toll free - Mexico	001 800 514 5974
International toll free - Monaco	800 93 423
International toll free - Netherlands	0800 023 5313
Local - Netherlands, Amsterdam	+31 (0)20 721 8903
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International toll free - Norway, Oslo	+47 2350 0077

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Local - Poland, Warsaw	+48 (0)22 583 00 20
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International toll free - Russia	810 800 2702 1012
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Local - South Africa,Johannesburg	+27 11 062 3065
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Copy of Meeting Chat

Don Hollander:Hi Jim: You're early.

Don Hollander:I'll be there shortly.

Jim DeLaHunt:Hi, Don. I wasn't sure if the meeting was 13:00h PST or 13:00Z, so I came early to check.

Jim DeLaHunt:Jim DeLaHunt is muted, standing by for the top of the hour.

Don Hollander:Hello JAD. WHo are you?

jad:John Dickinson

Don Hollander:THanks John.

Jim DeLaHunt:/me thinks, Jim DeLaHunt's initials are also JAD. :-)

jad:ah, and our developer (also called Jim) will be joining too

jad:Sara Dickinson is also on the call with me

Abdalmonem Galila (EGYPT):Hello All

Abdalmonem Galila (EGYPT):<Question>What are the programming languages that will be taken into UA consideration ?</Question>

Jim DeLaHunt:Sara, I think Framework as differentiated from Programming Language is a really good point.

Abdalmonem Galila (EGYPT):Sorry I can not hear you well

Jim Hague (Sinodun):If I was the Jim with the hand up, it was unintentional...

Jim DeLaHunt:(Hand up was from Jim DeLaHunt, but than I lost connection. I'm back.)

Jim Hague (Sinodun):I agree with other Jim. The programming language itself is of limited relevance. The library routines being used by the application is the critical component.

Jim DeLaHunt:Javascript, node.js server-side framework, Javascriptt engine in the browser, Angular/JS browser-side programming environment.

Frank Michlick:Abdalmonem: Originally we were looking at Programming languages, such as C++, JS, Rails, Ruby, PHP, Zend, etc.

Abdalmonem Galila (EGYPT):Thanks Frank

marksv:I'm in!

Abdalmonem Galila (EGYPT):@Frank , I think we should defferentiate between client-side ones and server sides ones

Abdalmonem Galila (EGYPT):and we should have validation and support for IDN in both of them

tex:The latter part of the document refers to storage, lists, and matching.There needs to be a definition of the matching algorithm.The document implies storage as Unicode. However the Unicode form of an IDN can be written in more than one way.Eg. The mapping from the Unicode form to the punycode form is N to 1.I would think therefore that storage and matching should be against the punycode form.The IDNA spec refers to the different written forms as label equivalences.Otherwise lookups from storage or lists may fail for not matching, that should have succeeded.

Frank Michlick:@tex: In the newer version of the document I mailed to the list we also consider conversion.

tex:@Frank. good. but it should clarify that matching should be against the IDN converted to punycode.

tex:Storage can still be Unicode since that preserves the original spelling

Frank Michlick:@Tex: Thank you for that I'll take a closer look at how we can better reflect that.

tex:(if that is desirable)

tex:what is the link to the newer version, please?

tex:never mind i got the mail

marksv:can't hear

Frank Michlick:jim is really hard to hear

Jim Hague:Johm, I can't hear either.

Frank Michlick:john

marksv:could you summarize?

Jim DeLaHunt:"Splitting a string on a dot boundary is not identification, but segmentation. If alookup is missing, this criteria is not fulfilled." meaning unclear. I think you mean "TLD Identification is nore than just segmentation, or splitting a string on a dot boundary. It must also include a lookup operation."

Jim DeLaHunt:i.e. the meaning of that sentence was unclear to me, on first reading.

Jim DeLaHunt:OK, thanks.

jad:The question was why do we need to indentify TLD specifically?

Jim Hague:That was my question too.

Jim Hague:But from the application point of view, it's the entire domain that needs to be valid. Why is the TLD uniquely priviliged above the rest of the domain?

Jim Hague:Sure, I understand that *applications* do bogus checks on TLDs. Do we have evidence that libraries are doing that?

tex:except real time checks hurt performance. cacheing should be acceptable

marksv:yes, reconvene soon

marksv:this was good

marksv:(would have been better if I could have gotten into the room!)

marksv:hey!
marksv:I was in the right lobby!
Abdalmonem Galila (EGYPT):yes
Jim DeLaHunt:Fine for me.
jad:Sinodun can't make that - sorry
jad:Christmas party :-)
marksv:I am in an all day review
Lars Steffen:Can´t make it tomorrow
jad:Thursday should be good
marksv:thursday works for me
Frank Michlick:for me any day this week at this time works
Frank Michlick:thank you Don
Jim DeLaHunt:Thank you, all!
Frank Michlick:Thank you all for the feedback.

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