

Use Cases for UA Readiness Evaluation

UASG004
As of 6 July 2016

Purpose: To provide Use Cases for developers to use when evaluating the UA Readiness of their systems. This list will provide generic examples as well as specific names that can be used for testing.

Background:

Universal Acceptance is a foundational requirement for a truly multilingual Internet, one in which users around the world can navigate entirely in local languages. It is also the key to unlocking the potential of new generic top-level domains (gTLDs) to foster competition, consumer choice and innovation in the domain name industry. To achieve Universal Acceptance, Internet applications and systems must treat all TLDs in a consistent manner, including new gTLDs and internationalized TLDs. Specifically, they must accept, validate, store, process and display all domain names.

The Universal Acceptance Steering Group is a community-based team working to share this vision for the Internet of the future with those who construct this space: coders. The group's primary objective is to help software developers and website owners understand how to update their systems to keep pace with an evolving domain name system (DNS).

Use Cases:

The UASG has, through ICANN, registered a variety of domain names to use for testing. The UASG will use these names to develop testing environments:

The names will include:

- Domain Names
- Domain Names with a Unicode extension
- ASCII local part email addresses with each domain
- Unicode local part email addresses with each domain

Domain Names: Examples

ascii.ascii		Registered	Working
Ascii.new	ua-test.link	Yes	Yes
Ascii.long	ua-test.technology	Yes	Yes
Idn.ascii	普遍接受-测试.top	Yes	Yes
Ascii.idn	ua-test.世界	Yes	Yes
Idn.idn	普遍接受-测试.世界	Yes	Yes
Idn-open dot-idn	普遍接受-测试。世界	No need	Yes

			普遍接受-测试。世界 will be automatically transformed into 普遍接受-测试.世界
Ascii.punycode	ua-test.xn--rhqv96g (duplicate of ua-test.世界)	Yes	Yes [*]
Punycode.ascii	xn----f38am99bqvcd5liy1cxsg.top (duplicate of 普遍接受-测试.top)	Yes	Yes
Punycode.punycode	xn----f38am99bqvcd5liy1cxsg.xn--rhqv96g (duplicate of 普遍接受-测试.世界)	Yes	Yes [*]
Ascii.RTL ¹			
RTL.ascii	القبولالعالمي-اختبار.top	Yes	Yes
RTL.RTL	شبكة.القبولالعالمي-اختبار	Yes	Yes

- * works in Chrome, not in Safari

Path Cases (IRIs)

ascii.ascii/Unicode		Working
Ascii.new/Unicode	ua-test.link/我的页面	Yes
Ascii.long/Unicode	ua-test.technology/我的页面	Yes
Idn.ascii/Unicode	普遍接受-测试.top/我的页面	Yes
Ascii.idn/Unicode	ua-test.世界/我的页面	Yes
Idn.idn/Unicode	普遍接受-测试.世界/我的页面	Yes
Idn-open dot-idn/unicode	普遍接受-测试。世界/我的页面	Yes 普遍接受-测试。世界/我的页面 will be automatically transformed into 普遍接受-测试.世界/我的页面
Ascii.RTL/Unicode		
RTL.ascii/Unicode	القبولالعالمي-ختبار/我的页面	No
RTL.RTL/Unicode	شبكة.القبولالعالمي-اختبار/我的页面	No

¹RTL – Right to left scripts such as Arabic or Hebrew

E-mail Addresses:

ascii@ascii.ascii		Set-up	Send ²	Receive ³
ascii@ascii.new	Info1@ua-test.link	Yes	Yes	Yes
ascii@Ascii.long	info2@ua-test.technology	Yes	Yes	Yes
ascii@ldn.ascii	info3@普遍接受-测试.top	Yes	Yes	Yes
ascii@ascii.idn	info4@ua-test.世界	Yes	Yes	Yes
ascii@ldn.idn	info5@普遍接受-测试.世界	Yes	Yes	Yes
ascii@ldn-open dot-idn	info5@普遍接受-测试.世界			
ascii@ascii.punycode	Info4@ua-test.xn--rhqv96g (duplicate of ua-test.世界)			
ascii@Punycode.ascii	Info3@xn----f38am99bqvcd5liy1cxsg.top (duplicate of 普遍接受-测试.top)			
ascii@Punycode.punycode	Info5@xn----f38am99bqvcd5liy1cxsg.xn--rhqv96g (duplicate of 普遍接受-测试.世界)			
ascii@Ascii.RTL				
ascii@RTL.ascii	info6@القبولالعالمي-ختبار.top	Yes	Yes	Yes
ascii@RTL.RTL	شبكة القبولالعالمي-اختبار			
unicode@ascii.ascii				
unicode@ascii.new	测试1@ua-test.link	Yes	Yes	Yes
unicode@Ascii.long	测试2@ua-test.technology	Yes	Yes	Yes
unicode@ldn.ascii	测试3@普遍接受-测试.top	Yes	Yes	Yes
unicode@ascii.idn	测试4@ua-test.世界	Yes	Yes	Yes
unicode@ldn.idn	测试5@普遍接受-测试.世界	Yes	Yes	Yes
Unicode@ldn-open dot-idn	测试5@普遍接受-测试.世界			
unicode@ascii.punycode	测试4@ua-test.xn--rhqv96g (duplicate of ua-test.世界)			
unicode@Punycode.ascii	测试3@xn----f38am99bqvcd5liy1cxsg.top (duplicate of 普遍接受-测试.top)			
unicode@Punycode.punycode	测试5@xn----f38am99bqvcd5liy1cxsg.xn--rhqv96g (duplicate of 普遍接受-测试.世界)			

²Able to be sent from and received at a different destination³Able to be received from a different address

unicode@Ascii.RTL				
unicode@RTL.ascii	اختبار@6测试- القبولالعالمي.top	Yes	Yes	Yes
unicode@RTL.RTL	شبكة.القبولالعالمي-اختبار			

Edits

2016-07-06	Added provision for 'open dot' in Chinese.chinese names. We expect software to transform the 'open dot' to a standard ASCII dot ".", thus making use of the already registered domain name.
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