Universal Acceptance - eMail

APTLD
Muscat, Oman

Joseph Yee

May 11, 2014
IETF published the following standards to enable email to use characters beyond ASCII

- RFC6530 Overview and Framework for Internationalized Email
- RFC6531 SMTP Extension for Internationalized Email
- RFC6532 Internationalized Email Headers
- RFC6855 IMAP Support for UTF-8
- RFC6856 Post Office Protocol Version 3 (POP3) Support for UTF-8

- Others: RFC6533, RFC6783, RFC6857, RFC6858
So, which one is which?
Email in General

<table>
<thead>
<tr>
<th>Compose</th>
<th>伊昭杰 - IDN &amp; eMail &amp; 电邮</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inbox</td>
<td>Msg2</td>
</tr>
<tr>
<td>Sent</td>
<td>Msg3</td>
</tr>
<tr>
<td>Trash</td>
<td>Msg4</td>
</tr>
<tr>
<td>Junk</td>
<td></td>
</tr>
</tbody>
</table>

From: 伊昭杰@资讯移动
To: APTLD@APTLD.org
Subject: IDN & eMail & 电邮

Great!
Let's talk about it.

To: 伊昭杰@资讯移动
CC:  
BCC: 
Subject: RE: IDN & eMail & 电邮

© Afilias Limited  www.afilias.info
Where New Standards Apply
Other Standards

• RFC6533
  • Error Message, Read Receipt

• RFC6783
  • Mailing List (example: APTLD members list)

• RFC6857, RFC6858
  • These two designs for scenarios where if mail client can’t handle EAI, how server can choose to respond
How email with non ASCII characters look like

Let's talk about it!
Q: What if I try to send to an ASCII only system?
A: Afilias introduces Gateway.
So, what’s next for IDN & EAI?

Barriers, Challenges, Adoptions
Thank You!

Questions?