



Why we need advice documents for EAI deployment

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Since key EAI RFCs have been (or will be)published by IETF, **many users** may request their email service provider to support these kind of email addresses

- اختبار@اختبار.eg
- परीक्षा@उदाहरण.in
- 例え@例え.jp
- 실례@실례.kr
- 用户@中文.cn
- été@Économie.fr
- teuer@Schön.de

Main email service providers in Mainland china

- Coremail (163.com) more than 400 million email users
- (<http://www.techweb.com.cn/internet/2011-07-25/1071230.shtml>)
- Tencent (qq.com) more than 200 million email users
- Sina (sina.com) more than 50 million email users
- Sohu (sohu.com) more than 50 million email users
- Yahoo (yahoo.com.cn) more than 50 million email users
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What is the email service providers' concern?

- Business leaders:
 - Can the internationalized email address create profits and benefits to the company?
 - Can/How EAI users send the message to ASCII users
- Technology leaders:
 - Are the core EAI RFCs the standard tracks?
 - Can/How EAI users send the message to ASCII users?

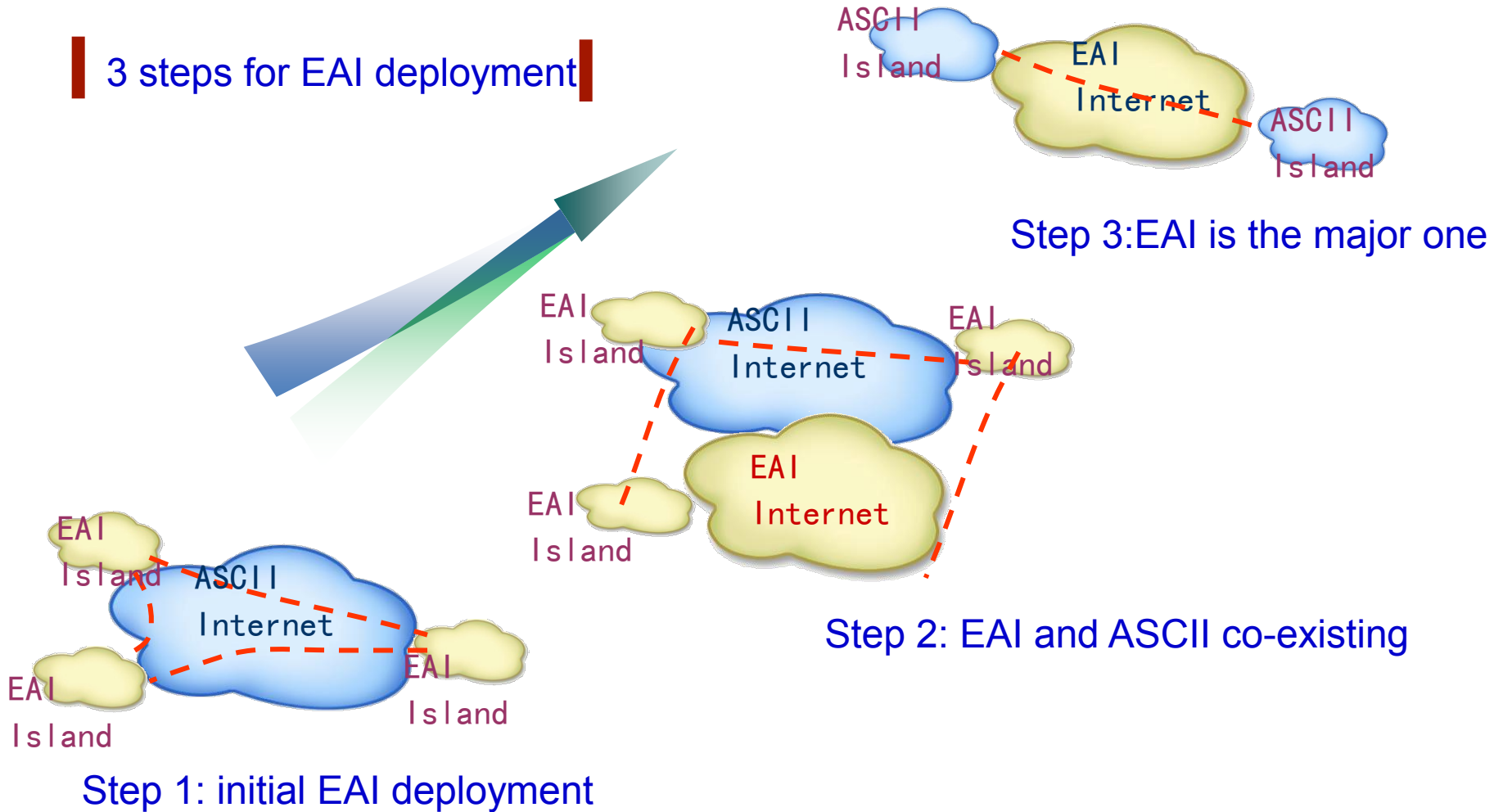
- Business leader and Technology leader share the same concern
 - Can/How EAI users send the message to ASCII users
- Why the experimental RFCs of EAI cover the above issue?
 - Users need it
 - Email service providers need it
- Why the STD track RFCs of EAI does not cover the above issue?
 - It is not because we do not need it; it is because that we can not solve it perfectly (in my view)

Why the email service providers care about How EAI users send the message to ASCII users

- They do not need to care for it if all mail servers support EAI
 - It is a long time goal
 - It is almost impossible
- The initial EAI deployment is very difficult
 - The first EAI SMTP server is an EAI island
 - Only the users in EAI island can communicate with each other
 - Compared to IPv6 deployment, IPv6 network is still an island after more than 10 years deployment

Deployment Phase

3 steps for EAI deployment



What is the problem for EAI deployment

- Problem 1: relationship between EAI address and ASCII address
 - ASCII address is sent to ASCII users
 - EAI address is sent to EAI users
- It is not that we create downgrade mechanism for EAI deployment, but we create a mechanism that makes the users have a feeling of that use of EAI address does not affect their ASCII address usage
 - One mail box with two email addresses
 - ASCII address is sent to ASCII users
 - EAI address is sent to EAI users

- Problem 2: other factors that may affect the deployment of EAI
 - Firewall
 - Email filter
 - Relay server
 - Client
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- Problem 3: other un-predicted problems

Advice document is better to have one than nothing

- Advice documents can convince email service providers that
 - Using EAI does not mean the island
 - Implementing and deploying EAI is not difficult
 - Both core RFCs and supporting(advice) documents are ready
- Advice documents can convince EAI users that
 - An mailbox with both EAI and ASCII address is a perfect experience
 - Implementing and deploying EAI is not difficult
- After many deployment, we may create BCP advice document. Currently, we may create INFO advice document

- The core documents are dry woods
- The advice documents are the lighters
- The deployment is the fire
- Without the lighters, we must drill wood to make fire or depend on sun to get the fire

The core RFCs are the woods



The advice documents are the
lighters



**EAI deployment is the fire
(lighter encounters with the wood to make a fire)**



If we hope to make EAI to deploy easily, we have to provide the advice documents

Q&A!

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