

# Implementation of IDN Email

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## **1.Introduction of Coremail**

## **2.What is IDN Email**

## **3.Problems and Solutions**

- What system have to done to support standards**
- How to deal with IDN email and Non-IDN email**
- How to know who support IDN email**

# Introduction of Coremail

盈世 | Coremail  
引领邮件技术 沟通创造价值

600  
Million  
Users

During 14 years,

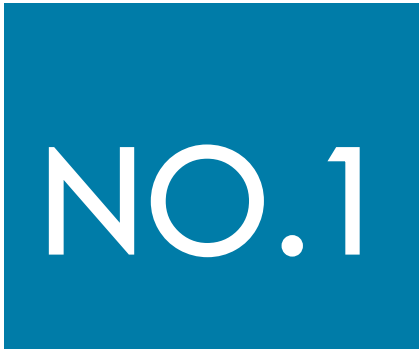
## We only do Email

Concentration makes profession

Overall email system solutions to government ,institutions and enterprises.

# Introduction of Coremail

盈世 | Coremail  
引领邮件技术 沟通创造价值



## We are

The First Chinese Email System.

The broadest used Email system in China.

**The first commercial IDN Email System**

# What is IDN Email

## Introduction

IDN emails are emails with **Internationalized Domain Name (IDN)**.

Internationalized email address(IEA) contains **non-English characters** .

e.g. “张先生@盈世.中国”. [sophie@lancôme.fr](mailto:sophie@lancôme.fr)  
김희선@항성.한국; あたりこうすけ@とうしば  
日本

Internationalized email address is a kind of **personal ID with national and ethnic characteristics**.






# What is IDN Email


## IDN Email

The screenshot displays the Coremail web interface. At the top left, the logo "盈世 | Coremail" is visible, followed by the user's email address "王五@盈世.中国" and navigation links for "Self-service", "Lock Screen", and "Language". On the right, there are links for "Change style to XJS", "Options", "Help", and "Logout", along with a search bar for "Search messages".

The main interface shows a navigation bar with "Welcome", "Inbox", and a selected tab "Hi". Below this is a toolbar with buttons for "Check", "New", "Back", "Reply", "Reply all", "Forward", "Delete", "Archive", "Spam", "Mark as", "Move to", and "More".

The email content is as follows:

**Hi**   

From: 张三@盈世.中国 

Time: 12:06:52 Apr 5, 2013 (Friday)

To: 王五@盈世.中国; sophie@lancôme.fr; 김희선@항성.한국; あたりこうすけ@とうしば.日本

你好!

Bonjour

안녕하세요

こんにちは

**Quick Reply**

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# Q 1-system reconstruction

## Protocol & Standards

- RFC 6531 When using SMTP for sending email, UTF8 SMTP is able to accept email with UTF-8 heading
- RFC 6532 direct use UTF-8 code in mime
- RFC 6855 IMAP support UTF-8
- RFC 6856 POP3 support UTF-8

# Q 1-system reconstruction

## System Reconstruction





# Q2-How to deal with IDN email

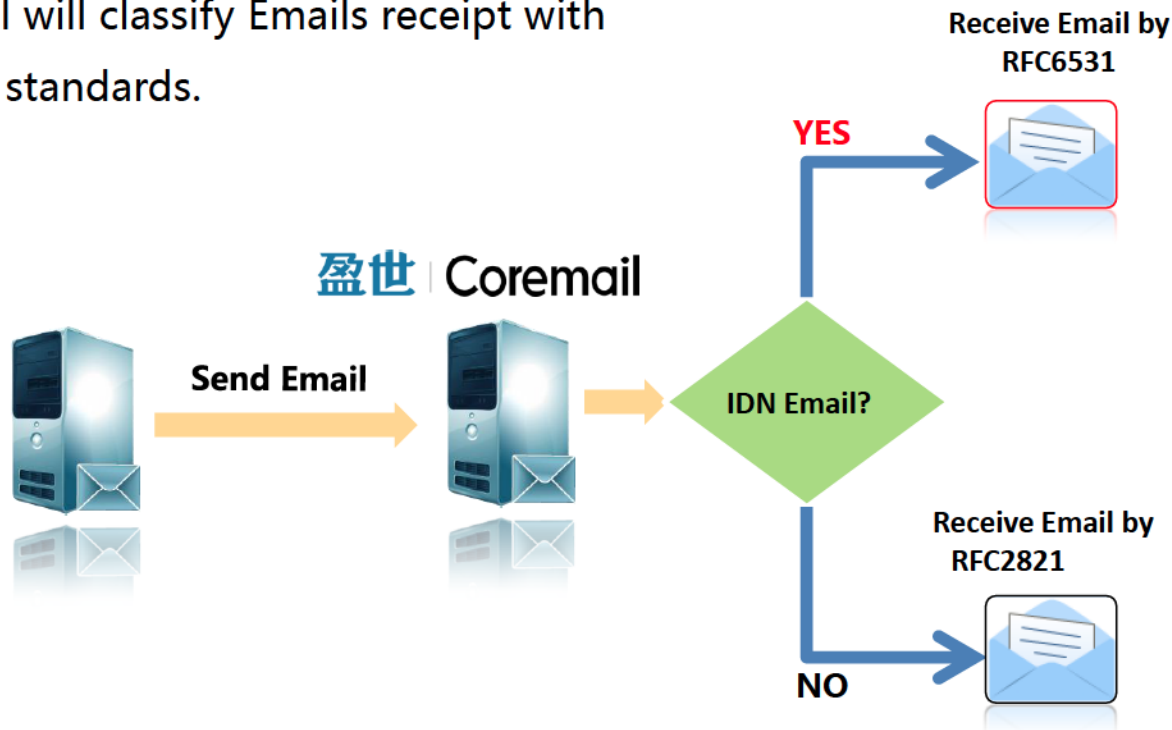
## Double Email Accounts



# Q2-How to deal with IDN email

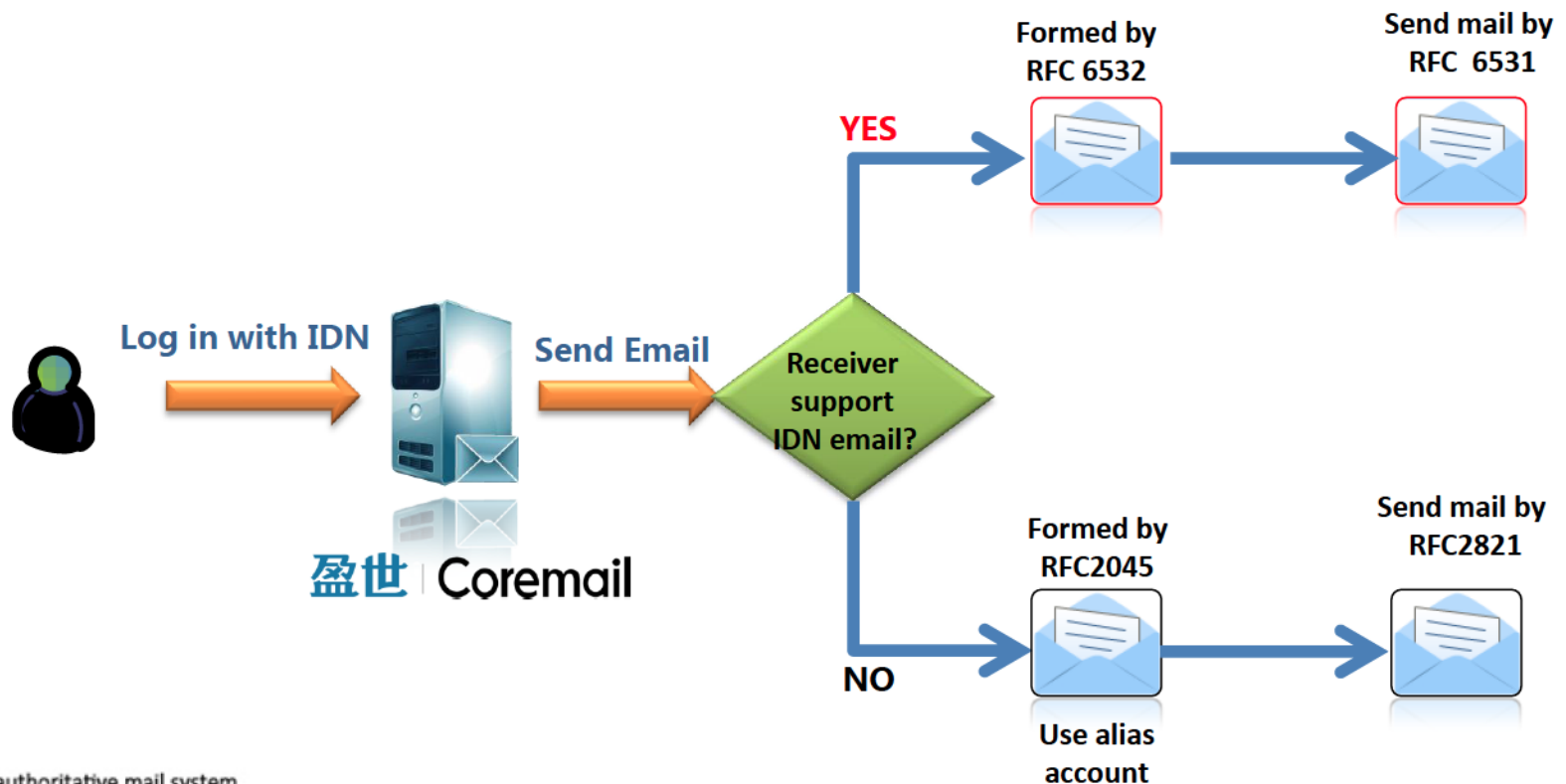
## Receive Email

Coremail will classify Emails receipt with different standards.



# Q2-How to deal with IDN email

## Send Email



# Q3- Who support IDN email?

## System and service solution

### Coremail Solution

1. Same system. System return code can contain IDN information.
2. Different systems. System return code would often be shield.

Base on cloud service platform, Coremail automatically updates IDN list

### Suggestion

All IDN email supported system suppliers release and share their domain record.

Thank you!