1.多客户端同步接收消息

为使Android, IOS, WebIM客户端同时在线并接收消息，分别使用以下资源名登陆：and, ios, web。相同资源名的客户端登陆时，交互排斥，即后一个登陆的客户端将把前一个登陆的客户端挤下来。

接收端的消息同步：各个端的收到的消息相同，没有改动。

发送端的消息同步：其他端会收到以下的消息格式

|  |
| --- |
| <message to="ximen@sun/XMPPFrame Tools" from="sun">  <carbon xmlns="fc:msg:ext">  <message xmlns="" id="SlXnn-8" to="snowing@sun"  from="ximen@sun/XMPPFrame Tools-1" type="chat">  <body>ccc</body>  </message>  </carbon>  </message> |

2．红包

App1

Facechat

IM Server

App2

发红包(HTTP）

红包通知(HTTP)

操作数据库

IM服务器代表客户端发送红包通知(XMPP)

领取红包(HTTP)

操作数据库

IM服务器代表客户端发送红包领取通知(XMPP)

领取红包通知(HTTP)

（1）个人红包

个人红包消息通知（服务器代表客户端发送）

|  |
| --- |
| <message from='20000001@fc/app' to='30001@fc' type='chat'>  <redenvelope xmlns='fc:msg:ext'>  <id>20000001-001</id>  <amount>100</amount>  </redenvelope>  </message> |

个人红包领取回复消息通知

|  |
| --- |
| <message from='20000001@fc/app' to='30001@fc' type='chat'>  <thanksgiving xmlns='fc:msg:ext'>  <id>20000001-001</id>  <portion>100</amount>  </thanksgiving>  </message> |

（2）群红包

给群发红包的消息（服务器代表客户端发送）

|  |
| --- |
| <message from='20000001@fc' to='room1@conference.fc'  type='groupchat'>  <redenvelope xmlns='fc:msg:ext'>  <id>20000001-001</id>  <amount>100</amount>  </redenvelope>  </message> |

群成员的红包消息通知

|  |
| --- |
| <message from='30001@fc' to='20000001@fc/app' type='groupchat'>  <redenvelope xmlns='fc:msg:ext'>  <id>20000001-001</id>  <amount>100</amount>  </redenvelope>  </message> |

群红包领取的群消息通知（服务器代表客户端发送）

|  |
| --- |
| <message from='20000001@fc' to='room1@conference.fc'  type='groupchat'>  <thanksgiving xmlns='fc:msg:ext'>  <id>20000001-001</id>  <from jid="200000001@fc"/>  <to jid="200000001@fc"/>  <portion>100</amount>  </thanksgiving>  </message> |

群红包领取的群成员的消息通知

|  |
| --- |
| <message '30001@fc' to='20000001@fc/app'  type='groupchat'>  <thanksgiving xmlns='fc:msg:ext'>  <id>20000001-001</id>  <from jid="200000001@fc" />  <to jid="200000001@fc"/>  <portion>100</portion>  </thanksgiving>  </message> |

3．登陆认证

在认证auth的请求中，新增了一个resource属性，指定认证的资源：

1. app/web， 认证的资源是好律师的本地数据库
2. 3a/3w, 认证的资源是第三方登录，如qq, 微信，微博
3. ma/mw, 认证的资源是短信通知

|  |
| --- |
| CLIENT : <stream:stream xmlns='jabber:client' to='sun' xmlns:stream='http://etherx.jabber.org/streams' version='1.0' xml:lang='en'>   SERVER : <?xml version='1.0' encoding='UTF-8'?><stream:stream xmlns:stream="http://etherx.jabber.org/streams" xmlns="jabber:client" from="sun" id="3aw3drap5i" xml:lang="en" version="1.0">   SERVER : <stream:features><mechanisms xmlns="urn:ietf:params:xml:ns:xmpp-sasl"><mechanism>PLAIN</mechanism><mechanism>ANONYMOUS</mechanism><mechanism>SCRAM-SHA-1</mechanism><mechanism>CRAM-MD5</mechanism><mechanism>DIGEST-MD5</mechanism></mechanisms><compression xmlns="http://jabber.org/features/compress"><method>zlib</method></compression><register xmlns="http://jabber.org/features/iq-register"/></stream:features>   CLIENT : <auth xmlns='urn:ietf:params:xml:ns:xmpp-sasl' mechanism='SCRAM-SHA-1' ***resource='app'***>biwsbj1zbm93aW5nLHI9NnI6QHZ6KF04eEhgfF9SdVllXVxjXFtKNEByLSd7bUs=</auth>   SERVER : <challenge xmlns="urn:ietf:params:xml:ns:xmpp-sasl">cj02cjpAdnooXTh4SGB8X1J1WWVdXGNcW0o0QHItJ3ttS2RhZGZmNjJkLWI5MDEtNGVkZi04ZDY1LTdmYjgwZDgyODk4OSxzPWEyZE1RSjJ2Y0MwMm5FZVY1QlIvZnJDL2xNbWVzMzhXLGk9NDA5Ng==</challenge>   CLIENT : <response xmlns='urn:ietf:params:xml:ns:xmpp-sasl'>Yz1iaXdzLHI9NnI6QHZ6KF04eEhgfF9SdVllXVxjXFtKNEByLSd7bUtkYWRmZjYyZC1iOTAxLTRlZGYtOGQ2NS03ZmI4MGQ4Mjg5ODkscD1XZVpQSk94ZnB6VEFMd1hFM3ZqWjdWMUg1ZE09</response>   SERVER : <success xmlns="urn:ietf:params:xml:ns:xmpp-sasl">dj1LelBDL2hjT2NhOWg1Y3BQMndYN1NDdU55RG89</success>   CLIENT : <stream:stream xmlns='jabber:client' to='sun' xmlns:stream='http://etherx.jabber.org/streams' version='1.0' id='3aw3drap5i' xml:lang='en'>   SERVER : <?xml version='1.0' encoding='UTF-8'?><stream:stream xmlns:stream="http://etherx.jabber.org/streams" xmlns="jabber:client" from="sun" id="3aw3drap5i" xml:lang="en" version="1.0"><stream:features><compression xmlns="http://jabber.org/features/compress"><method>zlib</method></compression><bind xmlns="urn:ietf:params:xml:ns:xmpp-bind"/><session xmlns="urn:ietf:params:xml:ns:xmpp-session"><optional/></session><sm xmlns='urn:xmpp:sm:2'/><sm xmlns='urn:xmpp:sm:3'/></stream:features>   CLIENT : <iq id='4kfSA-4' type='set'><bind xmlns='urn:ietf:params:xml:ns:xmpp-bind'><resource>app</resource></bind></iq>   SERVER : <iq type="result" id="4kfSA-4" to="sun/3aw3drap5i"><bind xmlns="urn:ietf:params:xml:ns:xmpp-bind"><jid>snowing@sun/app</jid></bind></iq> |