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1 GET Exchange

2 GET /accounts/{accountNumber}/exchange/{domainName}

Retrieve an Exchange resource by domain name

2.1 Contents

- 1 GET
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 - ◆ 1.1 Request
 - ◇ 1.1.1 Request Parameters
 - ◇ 1.1.2 URI Parameters
 - ◇ 1.1.3 Request Headers
 - ◆ 1.2 Response
 - ◇ 1.2.1 Status Code
 - ◇ 1.2.2 Response Headers
 - ◇ 1.2.3 Response Body
 - 1.2.3.1 Parameters

2.2 Request

GET /accounts/{accountNumber}/exchange/{domainName}

2.2.1 Request Parameters

accountNumber - *string*
the Id of the ServicePlex account

domainName - *string*
the domain name under which Exchange is provisioned

2.2.2 URI Parameters

None.

2.2.3 Request Headers

Authorization - *HTTP Authorization header* [1]
The *Authentication* credentials of the client application.

2.3 Response

2.3.1 Status Code

200 OK
Success

304 Cached
The resource has not been modified since the client cached it; the client should use the version in its cache

403 Forbidden
The user lacks the necessary permissions to access the resource

404 Not Found
The account or payment info was not found

405 Unsupported Method
The request method is not supported by this resource

2.3.2 Response Headers

None.

2.3.3 Response Body

```
{
  "domain": "{domainName}",
  "links": [
    {
      "href": "https://api.hostway.com/accounts/{accountNumber}/exchange/{domainName}/",
      "rel": "self"
    }
  ],
  "mailboxes": [
    {
      "href": "https://api.hostway.com/accounts/{accountNumber}/exchange/{domainName}/mailboxes/",
      "rel": "related"
    }
  ],
  "globalContacts": [
    {
      "href": "https://api.hostway.com/accounts/{accountNumber}/exchange/{domainName}/globalContacts/",
      "rel": "related"
    }
  ],
  "mailingLists": [
    {
      "href": "https://api.hostway.com/accounts/{accountNumber}/exchange/{domainName}/mailingLists/",
      "rel": "related"
    }
  ]
}
```

```
    ],  
    "version": "2010"  
}
```

2.3.3.1 Parameters

domainName - *string*
The domain name under which Exchange is provisioned

accountNumber - *string*
The ServicePlex account number

3 GET Exchange Mailboxes list

4 GET /accounts/account-number/exchange/domain-name/mailboxes

Retrieve an Exchange Mailboxes list by domain name

4.1 Contents

- 1 GET /accounts/account-number/exchange/domain-name/mailboxes
 - ◆ 1.1 Request
 - ◇ 1.1.1 Request Parameters
 - ◇ 1.1.2 URI Parameters
 - ◇ 1.1.3 Request Headers
 - ◆ 1.2 Response Body
 - ◇ 1.2.1 Expected Response Codes
 - ◆ 1.3 Examples
 - ◇ 1.3.1 Get mailboxes from orders that haven't been submitted yet
 - ◇ 1.3.2 Get mailboxes from orders that have been placed but haven't passed the billing yet
 - ◇ 1.3.3 Get fully provisioned mailboxes with pagination

4.2 Request

GET /accounts/account-number/exchange/domain-name/mailboxes

GET

/accounts/account-number/exchange/domain-name/mailboxes?page=page-num&pageSize=page-size&sortField=sort-field&sortOrder

4.2.1 Request Parameters

account-number - *string*

The account-number that the Exchange resource belongs to

domain-name - *string*

The domain-name that is associated with the Exchange resource

4.2.2 URI Parameters

page-num- *int*

(OPTIONAL)

Request a specific page of data. If not set defaults to 1

page-size - *int*

(OPTIONAL)

Size used to paginate the request. If not set defaults to 100

sort-field - *string*

(OPTIONAL)

Specifies a field upon which to sort the data. If not set no sorting is preformed. Allowed values are specified by an OPTIONS request

sort-order - *string*

(OPTIONAL)

Specifies the order in which the data is sorted. If not set no sorting is preformed if *sort-field* is not set or defaults to asc otherwise. Allowed values are specified by an OPTIONS request

filter-field - *string*

(OPTIONAL)

Specifies a field upon which the data is filtered. If multiple *filter-field* are set all of them have to be true to pass the filter. If none are set no filtering is performed. Allowed values are specified by an OPTIONS request. Example: if we want to filter by field 'status' then the parameter should look like 'filterStatus=value'. That way one can filter by more than one field.

Note: An exception from the common rules for filtering is the **filterBillingStatus** parameter. We might have following situations:

* **filterBillingStatus is not passed** - Returns mailboxes that are currently provisioning or has already been provisioned

* **filterBillingStatus=new** - Returns mailboxes from orders that haven't been submitted yet

* **filterBillingStatus=placed** - Returns mailboxes from orders that have been submitted but not passed the billing yet i.e. the provisioning has started yet

* **filterBillingStatus={status}** - Returns mailboxes for which the provisioning process has already been initiated. Allowed values for {status} are **pending**, **open**, **suspended**, **close_pending**, **closed** and **purge_pending**

filter-value - *string*

(OPTIONAL)

A value with which the *filter-field* is filtered. Values are exact match or defined with **Filter Values Wildcards**. Additional restrictions may be specified by an OPTIONS request

add-ons- *int*

(OPTIONAL)

Specifies whether to display blackberry and archiving availability for each mailbox. Valid values are **0** and **1**. If not set defaults to 0.

4.2.3 Request Headers

Authorization - *HTTP Authorization header* [1]

The **Authentication** credentials of the client application.

4.3 Response Body

```
{
  "list" :
```

```

[
  {
    "billingStatus" : {billingStatus},
    "username" : {username},
    "blackberry" : 1,
    "archiving" : 1,
    "details" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/{username}"
  }
]
"links":
[
  {
    "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes",
    "rel" : "self"
  },
  {
    "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?includeAddOns=1",
    "rel" : "alternate"
  }
]
}

```

list - list

List of the mailboxes for the selected domain. Each element of the list has the following attributes:

username - *string*

The username of the mailbox

billingStatus - *string*

Current status of the mailbox. Allowed values are **new**, **so_item_new**, **so_item_placed**, **pending**, **open**, **suspended**,

close_pending, **closed** and **purge_pending**

new means that the mailboxes are from orders that haven't been placed yet

so_item_new and **so_item_placed** mean that the mailboxes are from orders that are placed but haven't passed the billing process yet

blackberry - *string*

(*OPTIONAL*)

Displays whether blackberry is enabled for that contact. Allowed values are **0** and **1**. It is included in the body only when the **includeAddOns** URI parameter is equal to **1**.

archiving - *string*

(*OPTIONAL*)

Displays whether archiving is enabled for that contact. Allowed values are **0** and **1** It is included in the body only when the **includeAddOns** URI parameter is equal to **1**.

details - *string*

Hyperlink to the mailbox

links - list

Hypermedia for this resource. Link to self will preserve filtering, sorting and pagination set by the request. Links to the first, last, previous and next pages will also be included if applicable

4.3.1 Expected Response Codes

200	Success
400	Bad request This is usually a sign that the client attempted to use filtering/sorting criteria that are invalid for this resource
404	Non-existent resource Returned if no Exchange service could be found for the given domain name.
405	Unsupported method
500	Internal server error
502	Bad gateway There was a failure in an upstream service that caused a failure in the API.

4.4 Examples

4.4.1 Get mailboxes from orders that haven't been submitted yet

GET `http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?filterBillingStatus=new`

```

{
  "list" :
  [
    {
      "details" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/user1",
      "billingStatus" : "new",
      "username" : "user1"
    },
    {
      "details" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/user2",
      "billingStatus" : "new",
      "username" : "user2"
    }
  ]
}

```

```

    }
  ]
  "links":
  [
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?filterBillingStatus=new",
      "rel" : "self"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?filterBillingStatus=new&includeAddOns=1",
      "rel" : "alternate"
    }
  ]
}

```

4.4.2 Get mailboxes from orders that have been placed but haven't passed the billing yet

GET http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?filterBillingStatus=placed

```

{
  "list" :
  [
    {
      "details" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/user1",
      "billingStatus" : "so_item_new",
      "username" : "user1"
    },
    {
      "details" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/user2",
      "billingStatus" : "so_item_placed",
      "username" : "user2"
    }
  ]
  "links":
  [
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?filterBillingStatus=placed",
      "rel" : "self"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?filterBillingStatus=placed&includeAddOns=1",
      "rel" : "alternate"
    }
  ]
}

```

4.4.3 Get fully provisioned mailboxes with pagination

GET http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?page=2&pageSize=2

```

{
  "list" :
  [
    {
      "details" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/user1",
      "billingStatus" : "open",
      "blackberry" : 1,
      "archiving" : 1,
      "username" : "user1"
    },
    {
      "details" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/user2",
      "billingStatus" : "closed",
      "blackberry" : 0,
      "archiving" : 0,
      "username" : "user2"
    }
  ]
  "links":
  [
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?page=2&pageSize=2",
      "rel" : "self"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?page=1&pageSize=2",
      "rel" : "first"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?page=1&pageSize=2",
      "rel" : "previous"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?page=3&pageSize=2",
      "rel" : "next"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/mailboxes?page=3&pageSize=2",
      "rel" : "last"
    }
  ]
}

```

5 OPTIONS Exchange Mailboxes list

Retrieves additional parameters for sorting and filtering of Mailboxes

OPTIONS {server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/

5.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

5.2 Response Body

```
{
  "sortFields" : [ "username" ],
  "sortOrders" : [ "asc", "desc" ],
  "filterFields" : [ {
    "field" : "username",
    "values" : [ ]
  }, {
    "field" : "billingStatus",
    "values" : [ "new", "placed", "pending", "open", "suspended", "close_pending", "closed", "purge_pending" ]
  } ]
}
```

sortFields - *list*

List of the fields that are sortable

sortOrders - *list*

List of available orders for sorting

filterFields - *list*

List of specifications of fields that are filterable. Each element has the following parameters:

field - *string*

name of the field that is filterable. To filter a specified field add a parameter to the get request starting with filter and capitalising the field i.e. to filter name a filterName parameter should be passed to the get request.

values - *list*

List of allowed filterable values. If the list is empty no restrictions apply

5.2.1 Response Headers

Allow

A comma-separated list of request methods supported on this URI.

5.2.2 Expected Response Codes

200

Success

404

Non-existent resource

6 POST Exchange Mailbox

Create an Exchange mailbox

POST /accounts/{account_number}/exchange/{domain_name}/mailboxes

6.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

6.2 Request Body

```
{
  "owner": {
    "username": "john2",
    "password": "secret2"
  },
  "admin": 0,
  "notes": "some text",
  "recipientLimit": 10,
  "deliverRedirect": "zsds",
  "forwardTo": "asdasd",
  "name": {
    "name": "John Smith",
    "company": "My Company",
    "department": "Sales",
    "title": "President"
  },
  "address": {
    "address": "100 Main St.",
    "city": "Chicago",
    "state": "IL",
    "zip": "60001",
    "country": "US"
  },
  "phones": {
    "businessPhone": "555-555-5501",
    "homePhone": "555-555-5502",
    "fax": "555-555-5503",
    "mobile": "555-555-5504"
  }
}
```

owner - *dictionary*

-Contains attributes related to the mailbox user

username - *string*

-The handle of the mailbox that is to be created

Allowed are lower only letters, numbers, underscores, dashes

Cannot use reserved words: "ADMINISTRATOR", "ADMINS", "HELPDESK"

Length 1 to 25

password - *string*

-The password required to access the new mailbox

Length 8 to 20 . Must not contain only lower case letters,

Must contain letters, should be one word , and Password should have at least one digit

admin - *integer*

-Whether the mailbox user will have administrative privileges

Allowed values are 0 or 1

notes - *string*

-User defined textual description

recipientLimit - *integer*

-Specifies the recipient limit for the mailbox. Allowed values are integers from 1 to 100.

deliverRedirect - *string*

-Redirect address

forwardTo - *string*

-Forward address

name - *dictionary*

name - *string*

company - *string*

department - *string*

title - *string*

address - *dictionary*

-Specifies the address details for the mailbox

address - *string*

city - *string*

state - *string*

zip - *string*

country - *string*

phones - *dictionary*

-Specifies phone details for the mailbox
businessPhone - *string*
homePhone - *string*
fax - *string*
mobile - *string*

6.3 Response Codes

200	Success
202	Accepted
404	Non-existent resource
405	Unsupported method
409	Duplicate entry
502	Internal server error

6.4 Examples

POST {server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

```
{
  "owner": {
    "username": "test-username",
    "password": "secret2"
  },
  "admin": 0,
  "notes": "some text",
  "recipientLimit": 10,
  "deliverRedirect": "zsds",
  "forwardTo": "asdasd",
  "name": {
    "name": "John Smith",
    "company": "My Company",
    "department": "Sales",
    "title": "President"
  },
  "address": {
    "address": "100 Main St.",
    "city": "Chicago",
    "state": "IL",
    "zip": "60001",
    "country": "US"
  },
  "phones": {
    "businessPhone": "555-555-5501",
    "homePhone": "555-555-5502",
    "fax": "555-555-5503",
    "mobile": "555-555-5504"
  }
}
```

- *Response: Accepted (202):*

```
{
  "links": [
    {
      "href": "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/",
      "rel": "self"
    },
    {
      "href": "http://{server_name}/orders/{order_id}/action",
      "rel": "related"
    },
    {
      "href": "http://{server_name}/orders/{order_id}/account/products/{product_id}/services/{newly_created_mailbox_service_id}",
      "rel": "edit"
    }
  ]
}
```

- *Response when adding an optional mailbox: Success (202):*

```
{
  "total": ["8.00", "USD"],
  "subtotal": ["8.00", "USD"],
  "deferredTotal": ["8.00", "USD"],
  "deferredSubtotal": ["8.00", "USD"],
  "quotehash": "{quote_id}"
}
```

```

"links": [
  {
    "href": "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/",
    "rel": "self"
  },
  {
    "href": "http://{server_name}/orders/{order_id}/action",
    "rel": "related"
  },
  {
    "href": "http://{server_name}/orders/{order_id}/account/products/{product_id}/services/{newly_created_mailbox_service_id}",
    "rel": "edit"
  }
]
}

```

- Request Body with Invalid data:

```

{
  "owner": {
    "username": "(^%*&^*&^)*",
    "password": "weakpass"
  },
  "admin": 0,
  "notes": "",
  "recipientLimit": 10,
  "deliverRedirect": "zsds",
  "forwardTo": "asdasd",
  "name": {
    "name": "John Smith",
    "company": "My Company",
    "department": "Sales",
    "title": "President"
  },
  "address": {
    "address": "100 Main St.",
    "city": "Chicago",
    "state": "IL",
    "zip": "60001",
    "country": "US"
  },
  "phones": {
    "businessPhone": "555-555-5501",
    "homePhone": "555-555-5502",
    "fax": "555-555-5503",
    "mobile": "555-555-5504"
  }
}

```

- Response: BadRequest (400):

```

{
  "badRequest": {
    "message": "POST data error",
    "code": 400,
    "details": {
      "notes": "Required",
      "owner.username": "Has invalid characters.Allowed are lower only letters, numbers, underscores, dashes",
      "owner.password": "Must not contain only lower case letters"
    }
  }
}

```

7 GET Exchange Mailbox

Retrieve details for a particular Exchange mailbox

GET /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}

7.1 Response Body

```
{
  "username": "user1",
  "admin": 0,
  "notes": "some text",
  "quota": 100,
  "recipientLimit": 10,
  "archiving": 1,
  "blackberry": 0,
  "billingStatus": "open",
  "name": {
    "name": "John Smith",
    "company": "My Company",
    "department": "Sales",
    "title": "President"
  },
  "address": {
    "address": "100 Main St.",
    "city": "Chicago",
    "state": "IL",
    "zip": "60001",
    "country": "US"
  },
  "phones": {
    "businessPhone": "555-555-5501",
    "homePhone": "555-555-5502",
    "fax": "555-555-5503",
    "mobile": "555-555-5504"
  },
  "links": [
    {
      "rel": "self",
      "href": "https://{server_name}/account/{account-id}/exchange/{domain-name}/mailboxes/user1"
    }
  ]
}
```

username - *string*
the username of the mailbox

admin - *boolean*
if true, then the owner of the mailbox is an administrator on the domain; otherwise, the owner of the mailbox is an ordinary user

notes - *string*
any notes that are set on the mailbox

quota - *string*
quota of the mailbox in megabytes

recipientLimit - *integer*
the maximum number of recipients to which email can be sent from this mailbox

archiving - *boolean*
Displays whether archiving is enabled for that contact. Allowed values are **0** and **1**

blackberry - *boolean*
Displays whether blackberry is enabled for that contact. Allowed values are **0** and **1**

billingStatus - *string*
Current status of the mailbox. Allowed values are **pending**, **open**, **suspended**, **close_pending**, **closed** and **purge_pending**

name - *dictionary*
Additional information pertaining to the mailbox owner's identity

name - *string*
The name of the mailbox owner

company - *string*
The company name of the mailbox owner (optional)

department - *string*
The department name of the mailbox owner (optional)

title - *string*
The title of the owner of the mailbox (optional)

address - *dictionary*
Mailing address information for the mailbox owner (optional)

address - *string*
Street address of the mailbox owner (optional)

city - *string*

City of the mailbox owner (optional)

state - *string*

State or province of the mailbox owner (optional)

zip - *string*

The zip or postal code of the mailbox owner (optional)

country - *string*

The 2-letter ISO country code of the mailbox owner (optional). See http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm for a listing of all country codes.

phones - *dictionary*

Phone contact information for the mailbox owner (optional)

businessPhone - *string*

The business phone number of the mailbox owner (optional)

homePhone - *string*

The home phone number of the mailbox owner (optional)

fax - *string*

A fax number for the mailbox owner (optional)

mobile - *string*

A mobile phone number for the mailbox owner (optional)

links - *list*

[Hypermedia](#) for this resource. Links to self.

7.1.1 Expected Response Codes

200

Success

304

The mailbox has not been modified since the time specified in the *If-Modified-Since* header of the request. The client should use its own cached copy of the mailbox resource.

401

Not authenticated
Returned when the request does not contain an authorization header

403

Forbidden
Returned when the authenticated user does not have permission to view the specified mailbox.

404

Non-existent resource

500

Internal server error

502

Bad gateway
Returned when an error was caused by another error in an upstream system, or if an upstream system is found to be in an inconsistent state.

8 PUT Exchange Mailbox

Edit an Exchange Mailbox

PUT /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}

PUT /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}?passwordReset={password-reset}

8.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

username - *string*

The username of the requested mailbox

password-reset - *int*

(*OPTIONAL*)

Whether the update will also overwrite the password of the mailbox. Allowed values are **0** and **1**. If not set defaults to 0

8.2 Request Body

```
{
  "username": "user1",
  "password": "strongPass1234",
  "admin": 0,
  "notes": "some text",
  "recipientLimit": 10,
  "billingStatus": "open",
  "name": {
    "name": "John Smith",
    "company": "My Company",
    "department": "Sales",
    "title": "President"
  },
  "address": {
    "address": "100 Main St.",
    "city": "Chicago",
    "state": "IL",
    "zip": "60001",
    "country": "US"
  },
  "phones": {
    "businessPhone": "555-555-5501",
    "homePhone": "555-555-5502",
    "fax": "555-555-5503",
    "mobile": "555-555-5504"
  }
}
```

username - *string*

the username of the mailbox. Cannot be updated

password - *string*

(*OPTIONAL*)

a new password for the mailbox. Will be available if password-reset is set to **1**

admin - *int*

Changes whether the user is admin or not.

notes - *string*

any notes to be set on the mailbox

recipientLimit - *integer*

the maximum number of recipients to which email can be sent from this mailbox. Allowed values are integers from 1 to 100.

billingStatus - *string*

Status of the mailbox. Cannot be changed

name - *dictionary*

Additional information pertaining to the mailbox owner's identity

name - *string*

The name of the mailbox owner

company - *string*

The company name of the mailbox owner

department - *string*

The department name of the mailbox owner

title - *string*

The title of the owner of the mailbox

address - *dictionary*

Mailing address information for the mailbox owner

address - *string*

Street address of the mailbox owner

city - *string*

City of the mailbox owner

state - *string*

State or province of the mailbox owner

zip - *string*

The zip or postal code of the mailbox owner

country - *string*

The 2-letter ISO country code of the mailbox owner. See http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm for a listing of all country codes.

phones - *dictionary*

Phone contact information for the mailbox owner

businessPhone - *string*

The business phone number of the mailbox owner

homePhone - *string*

The home phone number of the mailbox owner

fax - *string*

A fax number for the mailbox owner

mobile - *string*

A mobile phone number for the mailbox owner

8.2.1 Expected Response Codes

200	OK
400	Bad Request
404	Non-existent resource
405	Unsupported method
502	Internal server error

8.3 Examples

PUT {server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/mailboxes/user1

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

```
{
  "username": "user1",
  "admin": 0,
  "notes": "some text",
  "recipientLimit": 10,
  "billingStatus": "open",
  "name": {
    "name": "John Smith",
    "company": "My Company",
    "department": "Sales",
    "title": "President"
  },
  "address": {
    "address": "100 Main St.",
    "city": "Chicago",
    "state": "IL",
    "zip": "60001",
    "country": "US"
  },
  "phones": {
    "businessPhone": "555-555-5501",
    "homePhone": "555-555-5502",
  }
}
```

```
    "fax": "555-555-5503",  
    "mobile": "555-555-5504"  
  }  
}
```

- Response: OK (204):

```
Server : nginx/0.6.32  
Date : Wed, 11 Apr 2012 14:26:07 GMT  
Content-Type : application/json; charset=UTF-8  
Connection : keep-alive  
Access-Control-Allow-Origin : *  
Location : http://{server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/mailboxes/user1/  
Content-Length : 0
```

- There will be a Location header in the response pointing to the edited resource.

PUT {server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/mailboxes/{non_existent_contact_id}

- Request Headers:

```
Content-Type:application/json  
Charset=UTF-8  
Authorization:Base64-encoded username & password string
```

- Request Body:

```
{  
  "username": "user1",  
  "password": "strongPass1234",  
  "admin": 0,  
  "notes": "some text",  
  "recipientLimit": 10,  
  "billingStatus": "open",  
  "name": {  
    "name": "John Smith",  
    "company": "My Company",  
    "department": "Sales",  
    "title": "President"  
  },  
  "address": {  
    "address": "100 Main St.",  
    "city": "Chicago",  
    "state": "IL",  
    "zip": "60001",  
    "country": "US"  
  },  
  "phones": {  
    "businessPhone": "555-555-5501",  
    "homePhone": "555-555-5502",  
    "fax": "555-555-5503",  
    "mobile": "555-555-5504"  
  }  
}
```

- Response: Not Found (404):

```
404 Not Found  
The resource could not be found.
```

9 DELETE Exchange Mailbox

10 DELETE

/accounts/{accountNumber}/exchange/{domainName}/mailboxes/{userName}

Deletes an Exchange mailbox. The deletion process is asynchronous.

10.1 Contents

- 1 DELETE
/accounts/{accountNumber}/exchange/{domainName}/mailboxes/{userName}
 - ◆ 1.1 Request
 - ◇ 1.1.1 Request Parameters
 - ◇ 1.1.2 URI Parameters
 - ◇ 1.1.3 Request Headers
 - ◇ 1.1.4 Request Body
 - ◆ 1.2 Response
 - ◇ 1.2.1 Status Code
 - ◆ 1.3 Examples
 - ◇ 1.3.1 Delete an existent open or closed mailbox
 - ◇ 1.3.2 Delete an existent pending mailbox
 - ◆ 1.4 See also

10.2 Request

DELETE /accounts/{accountNumber}/exchange/{domainName}/mailboxes/{userName}?purge=purge-flag

10.2.1 Request Parameters

accountNumber - *string*
the account number of the mailbox owner

domainName - *string*
the domain name of the mailbox

userName - *string*
the username of the mailbox

10.2.2 URI Parameters

purge-flag - integer
(*OPTIONAL*)
a flag (with value 0 or 1) indicating whether or not to purge the mailbox, or only close without purging. If the deletion request is sent with purge=0, the mailbox can be restored without loss of data within 30 days after the close date. During this time, one may not create another mailbox with the same name. If the deletion request is sent with purge=1, all data will be purged and the mailbox cannot be re-opened. This parameter is optional; if omitted, the mailbox will be purged. Sales agent/admin credentials are required to delete the mailbox without purging.

10.2.3 Request Headers

Authorization - *HTTP Authorization header* [1]
The *Authentication* credentials of the client application.

10.2.4 Request Body

None

10.3 Response

10.3.1 Status Code

202 - *Accepted*
the deletion request has been accepted.

401 - *Unauthorized*
the Authorization credentials are wrong or missing.

403 - *Forbidden*
the user has been authorized. However, they are not allowed to access the resource. The only user(s) who has access to an Exchange mailbox must be a sales agent or the account owner, or the account technical admin. Additionally, this status may be raised when attempting to delete the mailbox with purge=0 without sales agent credentials.

404 - *Not Found*
the mailbox does not exist.

409 - *Conflict*
the deletion request was rejected due to conflict. Mailboxes with **pending**, **close_pending**, **purge_pending** status cannot be deleted.

10.4 Examples

10.4.1 Delete an existent open or closed mailbox

Request

DELETE http://<server_name>/accounts/<account_number>/exchange/<domain-name>/mailboxes/<existent-mailbox-username>?purge=1

Response

202 Accepted

no-body

10.4.2 Delete an existent pending mailbox

Request

DELETE http://<server_name>/accounts/<account_number>/exchange/<domain-name>/mailboxes/<existent-mailbox-username>

Response

409 Conflict

```
{
  "conflict" : {
    "guid" : "<generated_value>",
    "message" : "Cannot delete pending mailboxes",
    "code" : 409,
    "details" : ""
  }
}
```

10.5 See also

- [Exchange Mailbox Operations](#)
- [Common Features](#)

11 OPTIONS Exchange Mailbox

Indicates which methods are supported for the given URI

OPTIONS `{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/{user_name}`

11.1 Parameters

`account_number` - *string*

The account number that the Exchange resource belongs to

`domain_name` - *string*

The domain name that is associated with the Exchange resource

`user_name` - *string*

The username of the mailbox of interest

11.2 Response Body

None - the body will be empty

11.2.1 Response Headers

Allow

A comma-separated list of request methods supported on this URI

11.2.2 Expected Response Codes

200

Success

404

Non-existent resource

12 GET Exchange Email Aliases list

Retrieve an Exchange Email Aliases list by domain name

GET /accounts/{account-number}/exchange/{domain-name}/emailaliases

GET

/accounts/{account-number}/exchange/{domain-name}/emailaliases?page={page-num}&pageSize={page-size}&sortField={sort-field}&sortO

12.1 Parameters

account-number - *string*

The account-number that the Exchange resource belongs to

domain-name - *string*

The domain-name that is associated with the Exchange resource

page-num- *int*

(*OPTIONAL*)

Request a specific page of data. If not set defaults to 1

page-size - *int*

(*OPTIONAL*)

Size used to paginate the request. If not set defaults to 100

sort-field - *string*

(*OPTIONAL*)

Specifies a field upon which to sort the data. If not set no sorting is preformed. Allowed values are specified by an OPTIONS request

sort-order - *string*

(*OPTIONAL*)

Specifies the order in which the data is sorted. If not set no sorting is preformed if *sort-field* is not set or defaults to asc otherwise. Allowed values are specified by an OPTIONS request

filter-field - *string*

(*OPTIONAL*)

Specifies a field upon which the data is filtered. If multiple *filter-field* are set all of them have to be true to pass the filter. If none are set no filtering is performed. Allowed values are specified by an OPTIONS request. Example: if we want to filter by field 'status' then the parameter should look like 'filterStatus=value'. That way one can filter by more then one field. The values can be also specified using wildcards(*).

filter-value - *string*

(*OPTIONAL*)

A value with which the *filter-field* is filtered. Values are either an exact match or partial match using a wildcard(*). Additional restrictions may be specified by an OPTIONS request

12.2 Response

Returns a dictionary with shorten information about email aliases of the Exchange product associated with the given domain name

12.2.1 Response Body

```
{
  "list" : [ {
    "emailAlias" : "email_alias_1@example.com",
    "details" : "http://{server-name}/accounts/{account-number}/exchange/{domain-name}/emailaliases/email_alias_1"
  }, {
    "emailAlias" : "email_alias_2@example.com",
    "details" : "http://{server-name}/accounts/{account-number}/exchange/{domain-name}/emailaliases/email_alias_2"
  } ],
  "links" : [ {
    "href" : "http://{server-name}/accounts/{account-number}/exchange/{domain-name}/emailaliases/",
    "rel" : "self"
  } ]
}
```

list - *list*

List of the email aliases for the selected domain. Each element of the list has the following attributes:

emailAlias - *string*

The email alias address

details - *string*

Hyperlink to the email alias' details

links - *list*

Hypermedia for this resource. Link to self will preserve filtering, sorting and pagination set by the request. Links to the first, last, previous and next pages will also be included if applicable

The details hyperlink and hypermedia's parameters are as following:

{server-name} - *string*

The name of the server from which the resources are requested

{account-number} - *string*

The account-number that the Exchange resource belongs to

{domain-name} - *string*

The domain-name that is associated with the Exchange resource

12.2.2 Expected Response Codes

200	Success
400	Bad request This is usually a sign that the client attempted to use filtering/sorting criteria that are invalid for this resource
404	Non-existent resource Returned if no Exchange service could be found for the given domain name.
405	Unsupported method
500	Internal server error
502	Bad gateway There was a failure in an upstream service that caused a failure in the API.

13 OPTIONS Exchange Email Aliases list

Retrieves additional parameters for sorting and filtering of Email Aliases

OPTIONS {server_name}/accounts/{account_number}/exchange/{domain_name}/emailaliases/

13.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

13.2 Response Body

```
{
  "sortFields" : [ "emailAlias" ],
  "sortOrders" : [ "asc", "desc" ],
  "filterFields" : [ {
    "field" : "emailalias",
    "values" : [ ]
  } ]
}
```

sortFields - *list*

List of the fields that are sortable

sortOrders - *list*

List of available orders for sorting

filterFields - *list*

List of specifications of fields that are filterable. Each element has the following parameters:

field - *string*

name of the field that is filterable. To filter a specified field add a parameter to the get request starting with filter and capitalising the field i.e. to filter name a filterName parameter should be passed to the get request.

values - *list*

List of allowed filterable values. If the list is empty no restrictions apply

13.2.1 Response Headers

Allow

A comma-separated list of request methods supported on this URI

13.2.2 Expected Response Codes

200

Success

404

Non-existent resource

14 POST Exchange Email Alias

Create an Email Alias

POST {server_name}/accounts/{account_number}/exchange/{domain_name}/emailAliases

14.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

14.2 Request Body

```
{
  "emailalias" : {
    "username": "john",
    "emailForward": "johnjello@domainname.com"
  }
}
```

username - *string*

- Username of email address. Allowed are only letters, numbers, underscores, dashes and nonconsecutive dots. Dots cannot be at the beginning or the end of the value. From 1 to 52 characters long.

emailForward - *string*

- Target email address. Must be a valid email address. The domain-name of the address must be the same as the domain-name associated with the Exchange resource.

14.2.1 Expected Response Codes

201	Created
400	External forward; Email forwarding to the same address; Validation error
405	Unsupported method
409	Username already exists
502	Internal server error

14.3 Examples

POST {server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/emailAliases

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

```
{
  "emailalias" : {
    "username": "john",
    "emailForward": "johnjello@ng-test-hwus-120120b.com"
  }
}
```

- *Response: Created (201):*

```
Server : nginx/0.6.32
Date : Fri, 01 Jun 2012 23:51:29 GMT
Connection : keep-alive
Location : http://coreapi01.ote.chicago.hostway:8098/accounts/popescu300021/exchange/ng-test-hwus-petre-120120b.com/emailAliases/john/
Content-Length : 0
```

- There will be a Location in the response header pointing to the newly created resource.
-

- *Request Body with Invalid data:*

```
{
  "emailalias": {
    "username": "new_alias",
    "emailForward": "new_alias@ng-test-hwus-petre-120120b.com"
  }
}
```

- *Response: BadRequest (400):*

```
{
  "computeFault": {
    "message": "Email forwarding to the same address is not allowed",
    "code": 400, "details": ""
  }
}
```

15 DELETE Exchange Email Alias

Delete an Email Alias

DELETE /accounts/{account_number}/exchange/{domain_name}/emailAlias/{alias}

15.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

alias - *string*

The email username of the specific email alias

15.2 Request Body

No Request body.

15.3 Response Body

No Response body.

15.3.1 Expected Response Codes

204

No Content

404

Non-existent resource

405

Unsupported method

502

Internal server error

15.4 Examples

DELETE {server_name}/accounts/account1234/exchange/ng-test-domain-123.com/emailAlias/email_alias

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

no-body

- *Response: No Content (204)*

16 GET Exchange Email Encryption

Retrieve an Exchange Email encryption and admin email

GET {server_name}/accounts/{account_number}/exchange/{domain_name}/emailEncryption/

16.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

16.2 Response Body

```
{
  "enabled" : 1,
  "adminEmail" : "admin@domain.org",
  "links" : [ {
    "href" : "http://coreapi01.ote.chicago.hostway:8094/accounts/dinh754963/exchange/ng-test-dinh-123.com/emailEncryption/",
    "rel" : "self"
  } ],
}
```

enabled - *integer*

whether encryption is enabled on the given exchange domain. Valid values are **0** and **1**

adminEmail - *string*

(*OPTIONAL*)

administrator email for the given email encryption. The field is shown only if encryption is enabled for the domain and the encryption is not in "pending" status.

links - *list*

[Hypermedia](#) for this resource. Links to self.

16.2.1 Expected Response Codes

200	Success
404	Non-existent resource
405	Unsupported method
502	Internal server error

17 PUT Exchange Email Encryption

Enable (create) an Email encryption for a given Exchange domain

PUT `{server_name}/accounts/{account_number}/exchange/{domain_name}/emailEncryption/`

17.1 Parameters

`account_number` - *string*

The account-number that the Exchange resource belongs to

`domain_name` - *string*

The domain-name that is associated with the Exchange resource

17.2 Request Body

```
{
  "adminEmail": "something@here.com",
}
```

`adminEmail` - *string*

- An email address of the administrator for the encryption

17.3 Response Codes

202

Accepted

400

Validation error

404

ItemNotFound; There is no Exchange plan purchased for the particular domain name

405

Unsupported method

409

Admin email already exists

502

Internal server error

17.4 Response Headers

`Location` `http://{server_name}/orders/{order_id}`

hyperlink to the order where the Exchange email encryption product has been added to. The order must be placed in order the Exchange email encryption to be enabled.

18 DELETE Exchange Email Encryption

Delete an Email Encryption

DELETE /accounts/{account_number}/exchange/{domain_name}/emailEncryption/

18.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

18.2 Request Body

No Request body.

18.3 Response Body

No Response body.

18.3.1 Expected Response Codes

204	No Content
400	Encryption already disabled
404	Non-existent resource
405	Unsupported method
502	Internal server error

18.4 Examples

DELETE {server_name}/accounts/account1234/exchange/ng-test-domain-123.com/emailEncryption/

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

no-body

- *Response: No Content (204)*

19 GET Exchange Mailbox Archiving

Checks the status of Archiving of an existing Exchange Mailbox

GET /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}/archiving/

19.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

username - *string*

The username of the requested mailbox

19.2 Response Body

```
{
  "billingStatus": "open",
  "links": [
    {
      "rel": "self",
      "href": "https://{server_name}/account/{account-id}/exchange/{domain-name}/mailboxes/{username}/archiving"
    }
  ]
}
```

billingStatus - *string*

Current status of the archiving product. Allowed values are **pending**, **open**, **suspended**, **close_pending**, **closed** and **purge_pending**

links - *list*

[Hypermedia](#) for this resource. Links to self.

19.3 Response Codes

200

Ok

405

Unsupported method

404

No archiving enabled for that mailbox

502

Internal server error

20 PUT Exchange Mailbox Archiving

Adds Archiving to an existing Exchange Mailbox

PUT /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}/archiving/

20.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

username - *string*

The username of the requested mailbox

20.2 Request Body

No body required

20.3 Response Codes

202

Accepted

405

Unsupported method

409

Duplicate entry

502

Internal server error

20.4 Response Headers

Location `http://{server_name}/orders/{order_id}`

hyperlink to the order where the archiving product has been added to. The order must be placed in order the archiving service to be purchased.

20.5 Examples

PUT {server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/{username}/archiving

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Response Headers:*

```
Server      PasteWSGIServer/0.5 Python/2.7
Date Thu, 21 Jun 2012 11:36:53 GMT
Content-Type application/json
Content-Length      0
Location      http://127.0.0.1:6543/orders/000001269d0e168e2d189d5c000ae6fa2cb8a7d8
```

- *Response: Accepted (202)*

21 DELETE Exchange Mailbox Archiving

Removes Archiving to an existing Exchange Mailbox

DELETE /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}/archiving/

21.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

username - *string*

The username of the requested mailbox

21.2 Request Body

No Request body.

21.3 Response Body

No Response body.

21.4 Response Codes

204	No Content
405	Unsupported method
404	Archiving not activated for that mailbox
502	Internal server error

21.5 Examples

DELETE {server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/{username}/archiving

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Response: No Content (204)*

22 GET Exchange Global Contact

Retrieve an Exchange Global contact by domain name and global contact id

GET {server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts/{global_contact_id}

22.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

global_contact_id - *string*

The global contact id

22.1.1 Expected Response Codes

200

Success

404

Non-existent resource

405

Unsupported method

502

Internal server error

304

Resource has been cached and not modified

22.2 Examples

GET

{server_name}/accounts/someaccount300021/exchange/ng-test-hwus-120120b.com/globalContacts/00000136a13b95a2f4f587fd000a

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Response: OK (200):*

```
{
  "target": "abcdef@ghijklm.com",
  "name": {
    "name": "John Jello",
    "company": "My Company",
    "department": "Sales",
    "title": "President"
  },
  "address": {
    "address": "100 Main St.",
    "city": "Chicago",
    "state": "IL",
    "zip": "60001",
    "country": "US"
  },
  "phones": {
    "homePhone": "87238473",
    "businessPhone": "555-555-5501",
    "fax": "555-555-5503",
    "mobile": "555-555-5504"
  },
  "notes": "Notes in here",
  "links": [
    {
      "href": "http://{server_name}/accounts/someaccount300021/exchange/ng-test-hwus-120120b.com/globalContacts/00000136a13b95a2f4f587fd000a",
      "rel": "self"
    }
  ]
}
```

GET

{server_name}/accounts/someaccount300021/exchange/ng-test-hwus-120120b.com/globalContacts/{non_existent_contact_id}

- *Response: Item Not Found (404):*

```
404 Not Found
The resource could not be found.
```

GET

{server_name}/accounts/someaccount300021/exchange/ng-test-hwus-120120b.com/globalContacts/00000136a13b95a2f4f587fd000a

- *Request Headers:*

Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
If-Modified-Since : Wed, 11 Apr 2012 19:43:31 GMT

- *Response: Not Modified (304)*

23 GET Exchange Global Contacts list

Retrieve an Exchange Global contacts list by domain name

GET /accounts/{account-number}/exchange/{domain-name}/globalContacts

GET

/accounts/{account-number}/exchange/{domain-name}/globalContacts?page={page-num}&pageSize={page-size}&sortField={sort-field}&sortOrder={sort-order}&filterField={filter-field}&filterValue={filter-value}

23.1 Parameters

account-number - *string*

The account-number that the Exchange resource belongs to

domain-name - *string*

The domain-name that is associated with the Exchange resource

page-num - *int*

(OPTIONAL)

Request a specific page of data. If not set defaults to 1

page-size - *int*

(OPTIONAL)

Size used to paginate the request. If not set defaults to 100

sort-field - *string*

(OPTIONAL)

Specifies a field upon which to sort the data. If not set no sorting is preformed. Allowed values are specified by an OPTIONS request

sort-order - *string*

(OPTIONAL)

Specifies the order in which the data is sorted. If not set no sorting is preformed if *sort-field* is not set or defaults to asc otherwise. Allowed values are specified by an OPTIONS request

filter-field - *string*

(OPTIONAL)

Specifies a field upon which the data is filtered. If multiple *filter-field* are set all of them have to be true to pass the filter. If none are set no filtering is performed. Allowed values are specified by an OPTIONS request. Example: if we want to filter by field 'status' then the parameter should look like 'filterStatus=value'. That way one can filter by more than one field. The filtering values can be also specified using wildcards(*).

filter-value - *string*

(OPTIONAL)

A value with which the *filter-field* is filtered. Values are either an exact match or a partial match using a wildcards(*). Additional restrictions may be specified by an OPTIONS request

23.2 Response Body

```
{
  "list" :
  [
    {
      "details" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts/{global_contact_id}/",
      "target" : "test@test.com",
      "name" : "display name of the contact"
    },
    {
      "details" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/globalContacts/{global_contact_id}/",
      "target" : "test1@test1.com",
      "name" : "display name of the contact"
    }
  ]
  "links":
  [
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/globalContacts?page=2&pageSize=2",
      "rel" : "self"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/globalContacts?page=1&pageSize=2",
      "rel" : "first"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/globalContacts?page=1&pageSize=2",
      "rel" : "previous"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/globalContacts?page=1&pageSize=3",
      "rel" : "next"
    },
    {
      "href" : "http://{server_name}/accounts/{account-number}/exchange/{domain-name}/globalContacts?page=1&pageSize=3",
      "rel" : "last"
    }
  ]
}
```

list - *list*

List of the global contacts for the selected domain. Each element of the list has the following attributes:

name - *string*

The name of the contact

target - *string*
Email of the contact

details - *string*
Hyperlink to the contact

links - *list*

Hypermedia for this resource. Link to self will preserve filtering, sorting and pagination set by the request. Links to the first, last, previous and next pages will also be included if applicable

23.2.1 Expected Response Codes

200	Success
400	Bad request
404	Non-existent resource
405	Unsupported method
502	Internal server error

23.3 Examples

GET `{server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/globalContacts`

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Response: OK (200):*

```
[
  {
    "details": "http://{server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/globalContacts/00000136a0dc303df040b174000ae6f",
    "target": "name@domain.com",
    "name": "My old descriptive name"},
  {
    "details": "http://{server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/globalContacts/0000013659099524e2c12a99000a912",
    "target": "target3@domain.com",
    "name": "new name"
  }
]
```

24 OPTIONS Exchange Global Contacts list

Retrieves additional parameters for sorting and filtering of Global contacts

OPTIONS {server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts/

24.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

24.2 Response Body

```
{
  "sortFields" : [ "name", "target" ],
  "sortOrders" : [ "asc", "desc" ],
  "filterFields" : [ {
    "field" : "target",
    "values" : [ ]
  }, {
    "field" : "name",
    "values" : [ ]
  } ]
}
```

sortFields - *list*

List of the fields that are sortable

sortOrders - *list*

List of available orders for sorting

filterFields - *list*

List of specifications of fields that are filterable. Each element has the following parameters:

field - *string*

name of the field that is filterable. To filter a specified field add a parameter to the get request starting with filter and capitalising the field i.e. to filter name a filterName parameter should be passed to the get request.

values - *list*

List of allowed filterable values. If the list is empty no restrictions apply

24.2.1 Response Headers

Allow

A comma-separated list of request methods supported on this URI

24.2.2 Expected Response Codes

200

Success

404

Non-existent resource

25 POST Exchange Global Contact

Create an Exchange Global Contact

POST {server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts

25.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

25.2 Request Body

```
{
  "target": "{target_email}",
  "name": {
    "name": "John Jello",
    "company": "My Company",
    "department": "Sales",
    "title": "President"
  },
  "address": {
    "address": "100 Main St.",
    "city": "Chicago",
    "state": "IL",
    "zip": "60001",
    "country": "US"
  },
  "phones": {
    "homePhone": "87238473",
    "businessPhone": "555-555-5501",
    "fax": "555-555-5503",
    "mobile": "555-555-5504"
  },
  "notes": "Notes in here"
}
```

target - *string*

- A valid email address

name - *dictionary*

(*OPTIONAL*)

- Contains additional personal details about the contact

address - *dictionary*

(*OPTIONAL*)

- Contains additional address information about the contact

phones - *dictionary*

(*OPTIONAL*)

- Contains additional information about the contact's phone numbers

25.2.1 Expected Response Codes

201	Created
404	Non-existent resource
409	Global contact with that "target" email already exists.
405	Unsupported method
415	Validation error
502	Internal server error

25.3 Examples

POST {server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/globalContacts

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

```
{
  "target": "test@domain.com",
  "name": {
    "name": "John Jello",
    "company": "My Company",
```

```

        "department": "Sales",
        "title": "President"
    },
    "address": {
        "address": "100 Main St.",
        "city": "Chicago",
        "state": "IL",
        "zip": "60001",
        "country": "US"
    },
    "phones": {
        "homePhone": "87238473",
        "businessPhone": "555-555-5501",
        "fax": "555-555-5503",
        "mobile": "555-555-5504"
    },
    "notes": "Notes in here"
}

```

- Response: Created (201):

```

Server : nginx/0.6.32
Date : Wed, 11 Apr 2012 14:26:01 GMT
Content-Type : application/json; charset=UTF-8
Connection : keep-alive
Access-Control-Allow-Origin : *
Location : http://{server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts/{globalContactId}/
Content-Length : 3

```

- There will be a Location in the response header pointing to the newly created resource. The {globalContactId} is generated on the backend.

- Request Body with Invalid data:

```

{
    "target": "wrong!@email",
    "name": {
        "name": "",
        "company": "",
        "department": "",
        "title": ""
    }
}

```

- The name dictionary will not be updated because its values are empty. Same goes for all OPTIONAL dictionary entries in the post body.

- Response: BadRequest (400):

```

{
    "badRequest" : {
        "message" : "POST data error",
        "code" : 400,
        "details" : {
            "target" : "Invalid email address"
        }
    }
}

```

- Request Body with Conflict data:

```

{
    "target": "test@domain.com"
}

```

- Response: Conflict (409):

```

409 Conflict
There was a conflict when trying to complete your request.

```

26 PUT Exchange Global Contact

Edit an Exchange Global Contact

PUT {server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts/{global_contact_id}

26.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

global_contact_id - *string*

The global-contact-id is the UUID of the global contact to be edited

26.2 Request Body

```
{
  "target": "target@email.com",
  "name": {
    "name": "John Jello",
    "company": "My Company",
    "department": "Sales",
    "title": "President"
  },
  "address": {
    "address": "100 Main St.",
    "city": "Chicago",
    "state": "IL",
    "zip": "60001",
    "country": "US"
  },
  "phones": {
    "homePhone": "87238473",
    "businessPhone": "555-555-5501",
    "fax": "555-555-5503",
    "mobile": "555-555-5504"
  },
  "notes": "Notes in here"
}
```

target - *string*

(*OPTIONAL*)

- A valid email address

name - *dictionary*

(*OPTIONAL*)

- Contains additional personal details about the contact

address - *dictionary*

(*OPTIONAL*)

- Contains additional address information about the contact

phones - *dictionary*

(*OPTIONAL*)

- Contains additional information about the contact's phone numbers

26.2.1 Expected Response Codes

200

OK

400

Bad Request

404

Non-existent resource

405

Unsupported method

502

Internal server error

26.3 Examples

PUT {server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/globalContacts/00000136a1cbe0f216c8eec6000ae6fa2cb8a7d8

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

```
{"target" : "testupdatedglobalcontact@test.com", "name" : {"name" : "First Last"}}
```

- *Response: OK (204):*

```
Server : nginx/0.6.32
Date : Wed, 11 Apr 2012 14:26:07 GMT
Content-Type : application/json; charset=UTF-8
Connection : keep-alive
Access-Control-Allow-Origin : *
Location : http://{server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/globalContacts/00000136a1cbe0f216c8eec6000ae6fa2cb8a
Content-Length : 4
```

- There will be a Location header in the response pointing to the edited resource.

PUT {server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/globalContacts/{non_existent_contact_id}

- Request Headers:

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- Request Body:

```
{"target" : "testupdatedglobalcontact@test.com", "name" : {"name" : "First Last"}}
```

- Response: Not Found (404):

```
404 Not Found
The resource could not be found.
```

27 DELETE Exchange Global Contact

Edit an Exchange Global Contact

DELETE /accounts/{account_number}/exchange/{domain_name}/globalContacts/{global_contact_id}

27.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

global_contact_id - *string*

The contact id is the UUID of the global contact to be edited

27.2 Request Body

No Request body.

27.3 Response Body

null

27.3.1 Expected Response Codes

204

No Content

404

Non-existent resource

405

Unsupported method

502

Internal server error

27.4 Examples

DELETE

{server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/globalContacts/00000136a1cbe0f216c8eec6000ae6fa2cb8a7d8

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

no-body

- *Response: No Content (204)*

DELETE {server_name}/accounts/account300021/exchange/ng-test-hwus-120120b.com/globalContacts/{non_existent_global_contact_id}

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Response: Not Found (404):*

404 Not Found
The resource could not be found.

28 GET Exchange Mailing Lists list

Retrieve an Exchange Mailing Lists list by domain name

GET /accounts/account-number/exchange/domain-name/maillingLists

GET

/accounts/account-number/exchange/domain-name/maillingLists?page=page-num&pageSize=page-size&sortField=sort-field&sortO

28.1 Parameters

account-number - *string*

The account-number that the Exchange resource belongs to

domain-name - *string*

The domain-name that is associated with the Exchange resource

page-num- *int*

(*OPTIONAL*)

Request a specific page of data. If not set defaults to 1

page-size - *int*

(*OPTIONAL*)

Size used to paginate the request. If not set defaults to 100

sort-field - *string*

(*OPTIONAL*)

Specifies a field upon which to sort the data. If not set no sorting is preformed. Allowed values are specified by an OPTIONS request

sort-order - *string*

(*OPTIONAL*)

Specifies the order in which the data is sorted. If not set no sorting is preformed if *sort-field* is not set or defaults to asc otherwise. Allowed values are specified by an OPTIONS request

filter-field - *string*

(*OPTIONAL*)

Specifies a field upon which the data is filtered. If multiple *filter-field* are set all of them have to be true to pass the filter. If none are set no filtering is performed. Allowed values are specified by an OPTIONS request. Example: if we want to filter by field 'status' then the parameter should look like 'filterStatus=value'. That way one can filter by more then one field.

filter-value - *string*

(*OPTIONAL*)

A value with which the *filter-field* is filtered. Values are exact match or defined with [Filter Values Wildcards](#).. Additional restrictions may be specified by an OPTIONS request

28.2 Response Body

```
{
  "list" : [ {
    "billingStatus" : "open",
    "name" : "test_list1",
    "details" : "http://coreapi01.ote.chicago.hostway:8094/accounts/dinh754963/exchange/ng-test-dinh-123.com/maillingLists/test_list1"
  }, {
    "billingStatus" : "open",
    "name" : "test_list2",
    "details" : "http://coreapi01.ote.chicago.hostway:8094/accounts/dinh754963/exchange/ng-test-dinh-123.com/maillingLists/test_list2"
  } ],
  "links" : [ {
    "href" : "http://coreapi01.ote.chicago.hostway:8094/accounts/dinh754963/exchange/ng-test-dinh-123.com/maillingLists/",
    "rel" : "self"
  } ]
}
```

list - *list*

List of the mailing lists for the selected domain. Each element of the list has the following attributes:

name - *string*

The name of the mailing list

billingStatus - *string*

Current status of the the mailing list. Allowed values are **pending**, **open**, **suspended**, **close_pending**, **closed** and **purge_pending**

details - *string*

Hyperlink to the mailing list

links - *list*

[Hypermedia](#) for this resource. Link to self will preserve filtering, sorting and pagination set by the request. Links to the first, last, previous and next pages will also be included if applicable

28.2.1 Expected Response Codes

200

Success

400

Bad request

This is usually a sign that the client attempted to use filtering/sorting criteria that are invalid for this resource

404

Non-existent resource
Returned if no Exchange service could be found for the given domain name.

405

Unsupported method

500

Internal server error

502

Bad gateway
There was a failure in an upstream service that caused a failure in the API.

29 OPTIONS Exchange Mailing Lists list

Retrieves additional parameters for sorting and filtering of Mailing Lists

OPTIONS {server_name}/accounts/{account_number}/exchange/{domain_name}/mailingLists/

29.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

29.2 Response Body

```
{
  "sortFields" : [ "name" ],
  "sortOrders" : [ "asc", "desc" ],
  "filterFields" : [ {
    "field" : "name",
    "values" : [ ]
  }, {
    "field" : "billingstatus",
    "values" : [ "pending", "open", "suspended", "close_pending", "closed", "purge_pending" ]
  } ]
}
```

sortFields - *list*

List of the fields that are sortable

sortOrders - *list*

List of available orders for sorting

filterFields - *list*

List of specifications of fields that are filterable. Each element has the following parameters:

field - *string*

name of the field that is filterable. To filter a specified field add a parameter to the get request starting with filter and capitalising the field i.e. to filter name a filterName parameter should be passed to the get request.

values - *list*

List of allowed filterable values. If the list is empty no restrictions apply

29.2.1 Response Headers

Allow

A comma-separated list of request methods supported on this URI

29.2.2 Expected Response Codes

200

Success

404

Non-existent resource

30 POST Exchange Mailing List

Create an Exchange mailing list

POST /accounts/{account_number}/exchange/{domain_name}/mailingLists

30.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

30.2 Request Body

```
{
  "name": "list_name",
  "owner": "john2",
  "description": "some text"
}
```

name - *string*

The username of the new Exchange mailing list

owner - *string*

the owner of the mailing list. The owner should be an existent Exchange mailbox username for the particular domain.

description - *string*

any text in order to describe the mailing list

30.3 Response Codes

202	Accepted
404	Non-existent resource
405	Unsupported method
409	Duplicate entry
502	Internal server error

30.4 Examples

POST {server_name}/accounts/{account_number}/exchange/{domain_name}/mailingLists

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

```
{
  "name": "list_name",
  "owner": "john2",
  "description": "some text"
}
```

- *Response: Accepted (202):*

202

- *Request Body with Invalid data:*

```
{
  "description": "some text"
}
```

- *Response: BadRequest (400):*

```
{
  "badRequest": { "message": "POST data error", "code": 400,
    "details": {
      "owner": "Required",
```

```
    "name": "Required"  
  }  
}
```

31 GET Exchange Mailing List

Retrieve details for a particular Exchange mailing list

GET /accounts/{account-number}/exchange/{domain-name}/mailingLists/{name}

31.1 Parameters

account-number - *string*

The account-number that the Exchange resource belongs to

domain-name - *string*

The domain-name that is associated with the Exchange resource

name - *string*

Name of the requested mailing list

31.2 Response Body

```
{
  "name" : "test_list2",
  "links" : [ {
    "href" : "http://coreapi01.ote.chicago.hostway:8094/accounts/dinh754963/exchange/ng-test-dinh-123.com/mailingsLists/test_list2/",
    "rel" : "self"
  } ],
  "members" : "http://coreapi01.ote.chicago.hostway:8094/accounts/dinh754963/exchange/ng-test-dinh-123.com/mailingsLists/test_list2/members",
  "owner" : "dinh.anh",
  "billingstatus" : "open",
  "description" : "test_list2"
}
```

name - *string*

the name of the mailing list

description - *string*

user defined description of the mailing list

billingstatus - *string*

Current status of the mailing list. Allowed values are **pending**, **open**, **suspended**, **close_pending**, **closed** and **purge_pending**

links - *list*

[Hypermedia](#) for this resource. Links to self.

31.2.1 Expected Response Codes

200

Success

304

The mailing list has not been modified since the time specified in the *If-Modified-Since* header of the request. The client should use its own cached copy of the mailing list resource.

401

Not authenticated

Returned when the request does not contain an authorization header

403

Forbidden

Returned when the authenticated user does not have permission to view the specified mailing list.

404

Non-existent resource

500

Internal server error

502

Bad gateway

Returned when an error was caused by another error in an upstream system, or if an upstream system is found to be in an inconsistent state.

32 PUT Exchange Mailing List

Edit an Exchange Mailing List

PUT /accounts/{account_number}/exchange/{domain_name}/mailingList/{mailing_list_name}

32.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

mailing_list_name - *string*

The name of the specific mailing list

32.2 Request Body

```
{
  "name": "list1",
  "owner": "user1",
  "description": "desc"
}
```

name - *string*

- The unique name of the mailing list. (Cannot be changed by the PUT request)

owner - *string*

- The mailbox username of the owner of the mailing list. (Cannot be changed by the PUT request)

description - *string*

- User defined description of the mailing list

32.2.1 Expected Response Codes

200	OK
400	Bad Request
404	Non-existent resource
405	Unsupported method
502	Internal server error

32.3 Example

PUT /accounts/dinh754963/exchange/ng-test-hwus-120120b.com/mailingList/test_list_a

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

```
{"name": "list1", "owner": "user1", "description": "desc"}
```

- *Response: OK (204):*

```
Server : nginx/0.6.32
Date : Thu, 10 May 2012 17:14:26 GMT
Content-Type : application/json
Connection : keep-alive
Content-Length : 0
Location : http://coreapi01.ote.chicago.hostway:8094/accounts/dinh754963/exchange/ng-test-dinh-123.com/mailingList/test_list_a/
```

- There will be a Location header in the response pointing to the edited resource as shown above.

33 DELETE Exchange Mailing List

Delete an Exchange Mailing List

DELETE /accounts/{account_number}/exchange/{domain_name}/mailingLists/{mailing_list_name}

33.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

mailing_list_name - *string*

The name of the mailing list to be deleted

33.2 Request Body

No Request body.

33.3 Response Body

null

33.3.1 Expected Response Codes

204

No Content

404

Non-existent resource

405

Unsupported method

502

Internal server error

33.4 Examples

DELETE {server_name}/accounts/account1234/exchange/ng-test-domain-123.com/mailingLists/test_mailing_list

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Request Body:*

no-body

- *Response: No Content (204)*

34 OPTIONS Exchange Mailing List

Indicates which methods are supported for the given URI

OPTIONS `{server_name}/accounts/{account_number}/exchange/{domain_name}/mailingList/{name}`

34.1 Parameters

`account_number` - *string*

The account number that the Exchange resource belongs to

`domain_name` - *string*

The domain name that is associated with the Exchange resource

`name` - *string*

The name of the mailing list of interest

34.2 Response Body

None - the body will be empty

34.2.1 Response Headers

Allow

A comma-separated list of request methods supported on this URI

34.2.2 Expected Response Codes

200

Success

404

Non-existent resource

35 GET Exchange Mailing List Members List

36 GET

/accounts/{account_number}/exchange/{domain_name}/mailingLitsts/{user

Retrieve an Exchange Mailing List Members list by a mailing list username

36.1 Contents

- 1 GET
/accounts/{account_number}/exchange/{domain_name}/mailingLitsts/{username}/members
 - ◆ 1.1 Request
 - ◇ 1.1.1 Request Parameters
 - ◇ 1.1.2 URI Parameters
 - ◆ 1.2 Response
 - ◇ 1.2.1 Status Code
 - ◇ 1.2.2 Response Body
 - 1.2.2.1 Parameters
 - ◆ 1.3 Examples
 - ◇ 1.3.1 Get an unfiltered, unsorted, unpaginated members list
 - ◇ 1.3.2 Get a members list sorted by username and filtered by type
 - ◇ 1.3.3 Get a paginated members list
 - ◆ 1.4 See also

36.2 Request

GET

{server_name}/accounts/{account_number}/exchange/{domain_name}/mailingLitsts/{username}/members?page=page-num&pageSize=

36.2.1 Request Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

username - *string*

The username that is associated with the Mailing List resource

36.2.2 URI Parameters

page-num- *int*

(*OPTIONAL*)

Request a specific page of data. If not set defaults to 1

page-size - *int*

(*OPTIONAL*)

Size used to paginate the request. If not set defaults to 100

sort-field - *string*

(*OPTIONAL*)

Specifies a field upon which to sort the data. If not set no sorting is preformed. Allowed values can be obtained by an OPTIONS call

sort-order - *string*

(*OPTIONAL*)

Specifies the order in which the data is sorted. If not set no sorting is preformed if *sort-field* is not set or defaults to asc otherwise. Allowed values can be obtained by an OPTIONS call

filter-field - *string*

(*OPTIONAL*)

Specifies a field upon which the data is filtered. If multiple *filter-field* are set all of them have to be true to pass the filter. If none are set no filtering is performed. Allowed values can be obtained by an OPTIONS call.

filter-value - *string*

(*OPTIONAL*)

A value with which the *filter-field* is filtered. Values are exact match or defined with [Filter Values Wildcards](#). Additional restrictions may be specified in the an OPTIONS call

36.3 Response

36.3.1 Status Code

200

Success

400

Bad request

This is usually a sign that the client attempted to use invalid filtering/sorting criteria

404

Non-existent resource

Returned if:

- no Exchange service could be found for the given domain name OR

- there is no mailing list with the given username for the given domain name

405

Unsupported method

502

Bad gateway

There was a failure in an upstream service that caused a failure in the API.

36.3.2 Response Body

```
{
  "list" : [ {
    "username" : {member_username},
    "type" : {type},
    "name" : {display_name},
    "links" : [ {
      "href" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailingLists/{list_username}/members/{member_username}",
      "rel" : "self"
    }, {
      "href" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts/{member_username}",
      "rel" : "related"
    } ]
  }, {
    "username" : {member_username},
    "type" : {type},
    "name" : {display_name},
    "links" : [ {
      "href" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailingLists/{list_username}/members/{member_username}",
      "rel" : "self"
    }, {
      "href" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts/{member_username}",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailingLists/{list_username}/members/",
    "rel" : "self"
  }, {
    "href" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts/{member_username}/",
    "rel" : "related"
  } ]
}
```

36.3.2.1 Parameters

list - *list*

List of the mailing list's members. Each element of the list has the following attributes:

name - *string*

The user-friendly display name of the mailing list member

username - *string*

The username of the mailing list member

type - *type*

Type of the the mailing list member. Allowed values are **globalContact** or **mailbox**

links - *list*

Hypermedia for this resource

links - *list*

Hypermedia for this resource. Link to self will preserve filtering, sorting and pagination set by the request. Links to the first, last, previous and next pages will also be included, if applicable

36.4 Examples

36.4.1 Get an unfiltered, unsorted, unpaginated members list

Request

http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailingLists/test_list/members

Response HTTP/1.0 200 OK

```
{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailingLists/test_list/members/test_mail3",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  }, {
    "username" : "test_mail",
    "type" : "mailbox",
    "name" : "Test mail",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailingLists/test_list/members/test_mail",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail",
      "rel" : "related"
    } ]
  }, {
    "username" : "00000140538bfdc52362a80b007f000000010001",
    "type" : "globalContact",
    "name" : "Anh Hostway",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailingLists/test_list/members/00000140538bfdc52362a80b007f000000010001",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/globalContacts/00000140538bfdc52362a80b007f000000010001",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailingLists/test_list/members/",
    "rel" : "self"
  }, {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/globalContacts/00000140538bfdc52362a80b007f000000010001/",
    "rel" : "related"
  } ]
}
```

```
}
```

36.4.2 Get a members list sorted by username and filtered by type

Request

`http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members?filterType=mailbox&sortField=username&`

Response HTTP/1.0 200 OK

```
{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail3",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  }, {
    "username" : "test_mail",
    "type" : "mailbox",
    "name" : "Test mail",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members?filterType=mailbox&sortF",
    "rel" : "self"
  } ]
}
```

36.4.3 Get a paginated members list

Request

`http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members?page=1&pageSize=2`

Response HTTP/1.0 200 OK

```
{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail3",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  }, {
    "username" : "test_mail",
    "type" : "mailbox",
    "name" : "Test mail",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members?page=1&pageSize=2",
    "rel" : "self"
  }, {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members?page=2&pageSize=2",
    "rel" : "next"
  }, {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members?page=2&pageSize=2",
    "rel" : "last"
  } ]
}
```

36.5 See also

- [Exchange](#)
- [Common Features](#)

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37 POST Exchange Mailing List Members List

38 POST

/accounts/{account_number}/exchange/{domain_name}/mailingLitsts/{username}

Add a new member to a given mailing list

38.1 Contents

- 1 POST
/accounts/{account_number}/exchange/{domain_name}/mailingLitsts/{username}/members
 - ◆ 1.1 Request
 - ◇ 1.1.1 Request Parameters
 - ◇ 1.1.2 Request Body
 - 1.1.2.1 Parameters
 - ◆ 1.2 Response
 - ◇ 1.2.1 Status Code
 - ◇ 1.2.2 Response Headers
 - ◇ 1.2.3 Response Body
 - ◆ 1.3 Examples
 - ◇ 1.3.1 Adding a member and check that the member has been added successfully
 - 1.3.1.1 Get a members list before adding
 - 1.3.1.2 Add a member
 - 1.3.1.3 Get a members list after adding
 - ◆ 1.4 See also

38.2 Request

POST /accounts/{account_number}/exchange/{domain_name}/mailingLitsts/{username}/members

38.2.1 Request Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

username - *string*

The username that is associated with the Mailing List resource

38.2.2 Request Body

```
{  
  "username": {username}  
}
```

38.2.2.1 Parameters

username - *string*

username of a **global contact** or **mailbox** to be added to the given mailing list

38.3 Response

38.3.1 Status Code

201

Created

404

Non-existent resource. Returned if:
- no Exchange service could be found for the given domain name OR
- there is no mailing list with the given username for the given domain name

400

Not qualified member. The username provided is neither a mailbox nor a global contact username.

409

A member with that particular "username" has already been added.

405

Unsupported method

415

Validation error

502

Internal server error

38.3.2 Response Headers

Location

Contains the URL to the new resource

38.3.3 Response Body

None - the response body is empty

38.4 Examples

38.4.1 Adding a member and check that the member has been added successfully

38.4.1.1 Get a members list before adding

Request

GET http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members

Response HTTP/1.0 200 OK

```
{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail3",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  }, {
    "username" : "00000140538bfdc52362a80b007f000000010001",
    "type" : "globalContact",
    "name" : "Anh Hostway",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/00000140538bfdc52362a80b007f000000010001",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/globalContacts/00000140538bfdc52362a80b007f000000010001",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/",
    "rel" : "self"
  } ]
}
```

38.4.1.2 Add a member

Request

POST http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members

```
{ "username": "test_mail" }
```

Response

HTTP/1.0 201 Created

38.4.1.3 Get a members list after adding

Request

GET http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members

Response HTTP/1.0 200 OK

```
{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail3",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  }, {
    "username" : "test_mail",
    "type" : "mailbox",
    "name" : "Test mail",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail",
      "rel" : "related"
    } ]
  } ],
  "username" : "00000140538bfdc52362a80b007f000000010001",
  "type" : "globalContact",
  "name" : "Anh Hostway",
  "links" : [ {

```

```

    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/00000140538bfdc52362a8",
    "rel" : "self"
  }, {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/globalContacts/00000140538bfdc52362a80b007f0000000100",
    "rel" : "related"
  } ]
} ],
"links" : [ {
  "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/",
  "rel" : "self"
} ]
}

```

38.5 See also

- [Exchange](#)
- [Common Features](#)

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39 OPTIONS Exchange Mailing List Members

Retrieves additional parameters for sorting and filtering of Mailing List Members

OPTIONS {server_name}/accounts/{account_number}/exchange/{domain_name}/mailingListsts/{username}/members

39.1 Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

username - *string*

The username that is associated with the Mailing List resource

39.2 Response Body

```
{
  "sortFields" : [ "name", "username", "type" ],
  "sortOrders" : [ "asc", "desc" ],
  "filterFields" : [ {
    "field" : "name",
    "values" : [ ]
  }, {
    "field" : "username",
    "values" : [ ]
  }, {
    "field" : "type",
    "values" : [ "mailbox", "globalContact" ]
  } ]
}
```

sortFields - *list*

List of the fields that are sortable

sortOrders - *list*

List of available orders for sorting

filterFields - *list*

List of specifications of fields that are filterable. Each element has the following parameters:

field - *string*

name of the field that is filterable. To filter a specified field add a parameter to the get request starting with filter and capitalising the field i.e. to filter name a filterName parameter should be passed to the get request.

values - *list*

List of allowed filterable values. If the list is empty no restrictions apply

39.2.1 Response Headers

Access-Control-Allow-Methods GET, POST, OPTIONS

Access-Control-Allow-Headers Authorization, Content-Type, Accept, If-Modified-Since

Access-Control-Allow-Methods

A comma-separated list of request methods supported on this URI.

Access-Control-Allow-Headers

A comma-separated list of request header parameters supported on this URI.

39.2.2 Expected Response Codes

200

Success

404

Non-existent resource

39.3 See also

- [Exchange](#)
- [Common Features](#)

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40 DELETE Exchange Mailing List Member

41 DELETE

/accounts/{account}/exchange/{domain}/mailingLists/{mailing_list}/members/{member_username}

Remove a member from a given mailing list by the member's username

41.1 Contents

- 1 DELETE
/accounts/{account}/exchange/{domain}/mailingLists/{mailing_list}/members/{member_username}
 - ◆ 1.1 Request
 - ◇ 1.1.1 Request Parameters
 - ◆ 1.2 Response
 - ◇ 1.2.1 Status Code
 - ◇ 1.2.2 Response Body
 - ◆ 1.3 Examples
 - ◇ 1.3.1 Remove a member and check that the member has been removed successfully
 - 1.3.1.1 Get a members list before removing
 - 1.3.1.2 Remove a member
 - 1.3.1.3 Get a members list after removing
 - ◆ 1.4 See also

41.2 Request

DELETE /accounts/{account_number}/exchange/{domain_name}/mailingLists/{list_username}/members/{member_username}

41.2.1 Request Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resource

list_username - *string*

The username that is associated with the Mailing List resource

member_username - *string*

The username that is associated with the Mailing List Member resource

41.3 Response

41.3.1 Status Code

204

Success

404

Non-existent resource. Returned if:
- no Exchange service could be found for the given domain name OR
- there is no mailing list with the given username for the given domain name
- the provided *member_username* is not a member of the mailing list

502

Internal server error

41.3.2 Response Body

None - the response body is empty

41.4 Examples

41.4.1 Remove a member and check that the member has been removed successfully

41.4.1.1 Get a members list before removing

Request

GET http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members

Response HTTP/1.0 200 OK

```
{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail3",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  } ],
  {
    "username" : "test_mail",
```

```

    "type" : "mailbox",
    "name" : "Test mail",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail",
      "rel" : "related"
    } ]
  }, {
    "username" : "00000140538bfdc52362a80b007f000000010001",
    "type" : "globalContact",
    "name" : "Anh Hostway",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/00000140538bfdc52362a80b007f000000010001",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/globalContacts/00000140538bfdc52362a80b007f000000010001",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/",
    "rel" : "self"
  } ]
} ]
}

```

41.4.1.2 Remove a member

Request

DELETE http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail

Response

HTTP/1.0 204 No Content

41.4.1.3 Get a members list after removing

Request

GET http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members

Response HTTP/1.0 200 OK

```

{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/test_mail3",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  }, {
    "username" : "00000140538bfdc52362a80b007f000000010001",
    "type" : "globalContact",
    "name" : "Anh Hostway",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/00000140538bfdc52362a80b007f000000010001",
      "rel" : "self"
    }, {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/globalContacts/00000140538bfdc52362a80b007f000000010001",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/members/",
    "rel" : "self"
  } ]
}

```

41.5 See also

- [Exchange](#)
- [Common Features](#)

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42 OPTIONS Exchange Mailing List Member

Retrieves allowed request headers parameters and methods of a Mailing List Member resource

OPTIONS

`{server_name}/accounts/{account_number}/exchange/{domain_name}/mailingLists/{list_username}/members/{member_username}`

42.1 Parameters

`account_number` - *string*

The account number that the Exchange resource belongs to

`domain_name` - *string*

The domain name that is associated with the Exchange resource

`list_username` - *string*

The username that is associated with the Mailing List resource

`member_username` - *string*

The username that is associated with the Mailing List Member resource

42.2 Response Body

None - the response body is empty

42.2.1 Response Headers

`Access-Control-Allow-Methods`

`DELETE, OPTIONS`

`Access-Control-Allow-Headers`

`Authorization, Content-Type, Accept, If-Modified-Since`

`Access-Control-Allow-Methods`

A comma-separated list of request methods supported on this URI.

`Access-Control-Allow-Headers`

A comma-separated list of request header parameters supported on this URI.

42.2.2 Expected Response Codes

204

Success

404

Non-existent resource

42.3 See also

- [Exchange](#)
- [Common Features](#)

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43 GET Exchange Mailing List Non-members List

44 GET

`/accounts/{account_number}/exchange/{domain_name}/mailingLitsts/{username}`

Retrieve a mixture of Exchange mailboxes and global contacts that are **not** members of a particular Exchange mailing list. **The non-members list is limited to the mailing list's domain name only.**

44.1 Contents

- 1 GET
`/accounts/{account_number}/exchange/{domain_name}/mailingLitsts/{username}/nonMembers`
 - ◆ 1.1 Request
 - ◇ 1.1.1 Request Parameters
 - ◇ 1.1.2 URI Parameters
 - ◆ 1.2 Response
 - ◇ 1.2.1 Status Code
 - ◇ 1.2.2 Response Body
 - 1.2.2.1 Parameters
 - ◆ 1.3 Examples
 - ◇ 1.3.1 Get an unfiltered, unsorted, unpaginated non-members list
 - ◇ 1.3.2 Get a non-members list sorted by username and filtered by type
 - ◇ 1.3.3 Get a paginated non-members list
 - ◆ 1.4 See also

44.2 Request

GET

`{server_name}/accounts/{account_number}/exchange/{domain_name}/mailingLitsts/{username}/nonMembers?page=page-num&pages`

44.2.1 Request Parameters

account_number - *string*

The account number that the Exchange resource belongs to

domain_name - *string*

The domain name that is associated with the Exchange resources

username - *string*

The username that is associated with the Mailing List resource

44.2.2 URI Parameters

page-num - *int*

(*OPTIONAL*)

Request a specific page of data. If not set defaults to 1

page-size - *int*

(*OPTIONAL*)

Size used to paginate the request. If not set defaults to 100

sort-field - *string*

(*OPTIONAL*)

Specifies a field upon which to sort the data. If not set no sorting is preformed. Allowed values can be obtained by an OPTIONS call

sort-order - *string*

(*OPTIONAL*)

Specifies the order in which the data is sorted. If not set no sorting is preformed if *sort-field* is not set or defaults to asc otherwise. Allowed values can be obtained by an OPTIONS call

filter-field - *string*

(*OPTIONAL*)

Specifies a field upon which the data is filtered. If multiple *filter-field* are set all of them have to be true to pass the filter. If none are set no filtering is performed. Allowed values can be obtained by an OPTIONS call.

filter-value - *string*

(*OPTIONAL*)

A value with which the *filter-field* is filtered. Values are exact match or defined with [Filter Values Wildcards](#). Additional restrictions may be specified in the an OPTIONS call

44.3 Response

44.3.1 Status Code

200

Success

400

Bad request

This is usually a sign that the client attempted to use invalid filtering/sorting criteria

404

Non-existent resource

Returned if:

- no Exchange service could be found for the given domain name OR

- there is no mailing list with the given username for the given domain name

405
Unsupported method

502
Bad gateway
There was a failure in an upstream service that caused a failure in the API.

44.3.2 Response Body

```
{
  "list" : [ {
    "username" : {global_contact_username},
    "type" : {type},
    "name" : {display_name},
    "links" : [ {
      "href" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/globalContacts/{global_contact_username}",
      "rel" : "related"
    } ]
  }, {
    "username" : {mailbox_username},
    "type" : {type},
    "name" : {display_name},
    "links" : [ {
      "href" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/{mailbox_username}",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://{server_name}/accounts/{account_number}/exchange/{domain_name}/mailingLists/{list_username}/members/",
    "rel" : "self"
  } ]
}
```

44.3.2.1 Parameters

`list - list`
List of the mailing list's non-members. Each element of the list has the following attributes:

- `name - string`
The user-friendly display name of the mailing list non-member
- `username - string`
The username of the mailing list's non-member
- `type - type`
Type of the the mailing list non-member. Allowed values are **globalContact** or **mailbox**
- `links - list`
[Hypermedia](#) for this resource

`links - list`
[Hypermedia](#) for this resource. Link to self will preserve filtering, sorting and pagination set by the request. Links to the first, last, previous and next pages will also be included, if applicable

44.4 Examples

44.4.1 Get an unfiltered, unsorted, unpaginated non-members list

Request

`http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailingLists/test_list/nonMembers`

Response HTTP/1.0 200 OK

```
{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  }, {
    "username" : "test_mail",
    "type" : "mailbox",
    "name" : "Test mail",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail",
      "rel" : "related"
    } ]
  }, {
    "username" : "00000140538bfdc52362a80b007f000000010001",
    "type" : "globalContact",
    "name" : "Anh Hostway",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/globalContacts/00000140538bfdc52362a80b007f000000010001",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailingLists/test_list/nonMembers/",
    "rel" : "self"
  } ]
}
```

44.4.2 Get a non-members list sorted by username and filtered by type

Request

`http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/nonMembers?filterType=mailbox&sortField=username`

Response HTTP/1.0 200 OK

```
{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  }, {
    "username" : "test_mail",
    "type" : "mailbox",
    "name" : "Test mail",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/nonMembers?filterType=mailbox&so",
    "rel" : "self"
  } ]
}
```

44.4.3 Get a paginated non-members list

Request

`http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/nonMembers?page=1&pageSize=2`

Response HTTP/1.0 200 OK

```
{
  "list" : [ {
    "username" : "test_mail3",
    "type" : "mailbox",
    "name" : "Test Exchange2010 Mailbox 3",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail3",
      "rel" : "related"
    } ]
  }, {
    "username" : "test_mail",
    "type" : "mailbox",
    "name" : "Test mail",
    "links" : [ {
      "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/mailboxes/test_mail",
      "rel" : "related"
    } ]
  } ],
  "links" : [ {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/nonMembers?page=1&pageSize=2",
    "rel" : "self"
  }, {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/nonMembers?page=2&pageSize=2",
    "rel" : "next"
  }, {
    "href" : "http://localhost:6543/accounts/anh74902/exchange/ng-test-anh-080613.com/maillingLists/test_list/nonMembers?page=2&pageSize=2",
    "rel" : "last"
  } ]
}
```

44.5 See also

- [Exchange](#)
- [Common Features](#)

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45 GET Exchange Mailbox Blackberry

Checks the status of Blackberry of an existing Exchange Mailbox

GET /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}/blackberry/

45.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

username - *string*

The username of the requested mailbox

45.2 Response Body

```
{
  "billingStatus": "open",
  "links": [
    {
      "rel": "self",
      "href": "https://{server_name}/account/{account-id}/exchange/{domain-name}/mailboxes/{username}/blackberry"
    }
  ]
}
```

billingStatus - *string*

Current status of the blackberry product. Allowed values are **pending**, **open**, **suspended**, **close_pending**, **closed** and **purge_pending**

links - *list*

[Hypermedia](#) for this resource. Links to self.

45.3 Response Codes

200

Ok

405

Unsupported method

404

No blackberry enabled for that mailbox

502

Internal server error

46 PUT Exchange Mailbox Blackberry

Adds Blackberry to an existing Exchange Mailbox

PUT /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}/blackberry/

46.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

username - *string*

The username of the requested mailbox

46.2 Request Body

No body required

46.3 Response Codes

202

Accepted

405

Unsupported method

409

Duplicate entry

502

Internal server error

46.4 Response Headers

Location http://{server_name}/orders/{order_id}

hyperlink to the order where the blackberry product has been added to. The order must be placed in order the blackberry service to be purchased.

46.5 Examples

PUT {server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/{username}/blackberry

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Response Headers:*

```
Server      PasteWSGIServer/0.5 Python/2.7
Date Thu, 21 Jun 2012 11:36:53 GMT
Content-Type application/json
Content-Length 0
Location    http://127.0.0.1:6543/orders/000001380ed47366ba7b4f44000a39ee2a0ac548
```

- *Response: Accepted (202)*

47 DELETE Exchange Mailbox Blackberry

Removes Blackberry to an existing Exchange Mailbox

DELETE /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}/blackberry/

47.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

username - *string*

The username of the requested mailbox

47.2 Request Body

No Request body.

47.3 Response Body

No Response body.

47.4 Response Codes

204	No Content
405	Unsupported method
404	Blackberry not activated for that mailbox
502	Internal server error

47.5 Examples

DELETE {server_name}/accounts/{account_number}/exchange/{domain_name}/mailboxes/{username}/blackberry

- *Request Headers:*

```
Content-Type:application/json
Charset=UTF-8
Authorization:Base64-encoded username & password string
```

- *Response: No Content (204)*

48 GET Exchange Mailbox Blackberry Statistics

Get Blackberry Service Statistics of an existing Exchange Mailbox

48.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

username - *string*

The username of the requested mailbox

48.2 Response Body

```
{
  "statistics": {
    "name": "John Lee",
    "pin": 0,
    "deviceType": "unknown",
    "deviceStatus": "Initializing",
    "dataService": 0,
    "forwarded": 0,
    "sent": 0,
    "pending": 0,
    "filtered": 0,
    "lastTransactionResult": "N/A",
    "lastFwdTime": "12/31/1999 16:00:00",
    "lastSentTime": "12/31/1999 16:00:00"
  },
  "links": [
    { "rel": "self", "href": "https://{server_name}/account/{account-id}/exchange/{domain-name}/mailboxes/{username}/blackberry/statistics" }
  ]
}
```

name - *string*

name of the mailbox relevant to the Blackberry service

pin - *int*

Blackberry service's pin code. Returns **null** when such one does not exist.

deviceType - *string*

type of the Blackberry device. Returns **null** when such one is not provided.

deviceStatus - *string*

current status of the Blackberry device.

dataService - *int*

show if the data service is enabled. The values can be **0** or **1**.

forwarded - *int*

number of the messages forwarded

sent - *int*

number of the messages sent

pending - *int*

number of the messages pending

filtered - *int*

number of the messages filtered

lastTransactionResult - *string*

result of the last transaction

lastFwdTime - *string*

last time when a message was forwarded. Returns **null** when such one is not provided.

lastSentTime - *string*

last time when a message was sent. Returns **null** when such one is not provided.

links - *list*

[Hypermedia](#) for this resource. Links to self.

48.3 Response Codes

200

Ok

405

Unsupported method

404

No blackberry service enabled for the relevant mailbox

502

Internal server error

49 POST Exchange Mailbox Blackberry Action

Manage Blackberry Services

PUT /accounts/{account-number}/exchange/{domain-name}/mailboxes/{username}/blackberry/action

49.1 Parameters

account_number - *string*

The account-number that the Exchange resource belongs to

domain_name - *string*

The domain-name that is associated with the Exchange resource

username - *string*

The username of the requested mailbox

49.2 Request Body

```
{
  "action": "resendServiceBooks" | "wipe" | "reinitialize",
  "actionData": ""
}
```

action - *string*

Can be one of "resendServiceBooks" | "wipe" | "reinitialize"

resendServiceBooks

Resend service books. A service book contains information that configures how your BlackBerry smartphone interacts with the BlackBerry® Infrastructure. It also turns on specific services for your BlackBerry smartphone. The selection of service books on your BlackBerry smartphone depends upon the features provided by your wireless service provider and the IT policies set up by your organization. You may want to resend service books to troubleshoot various issues with BlackBerry wireless synchronization:

- Problems sending or receiving messages from the BlackBerry smartphone
- Calendar synchronization issues
- Address Book synchronization issues
- Global Address List (GAL) lookup issues

wipe

Wipe an activated Blackberry device. For all activated BlackBerry® devices, you can perform a remote wipe, which forces the device to return to factory default settings. The remote wipe:

- permanently deletes its stored IT policies
- permanently deletes all third-party applications
- permanently deletes all user data

reinitialize

Reactivate a Blackberry device. This wipes the Blackberry device clean and sets up synchronization again. A new password is issued and user will be prompted to go through setup again.

actionData - *string*

additional data sent with the action to be submitted. Hence no additional information is required for the actions above, this parameter can be left empty.

49.3 Response Codes

202

Accepted

404

No blackberry service enabled for the requested mailbox

405

Unsupported method

409

There is a blackberry service enabled for requested mailbox. However, it is in a billing status other than **open**.

502

Internal server error

50 Common Features

All Hostway APIs support common features for authentication and authorization, pagination, references to related resources, etc.

- [Authentication](#)
- [Hypermedia](#)
- [Pagination](#)
- [Server Response Codes](#)
- [Filtering](#)

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