MXSAVE XMLRPC Web Service Guide

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Introduction

Welcome to the MXSave web service development guide. This guide describes the web development required for service providers to connect their web based systems to our application in order to utilize our e-mail disaster recovery services.

The web service will provide full capabilities to our services, highlighted by the following:

- Manage clients and domains to utilize the backup mx service
- Manage users for the e-mail continuity service
- Retrieve client domain & user information useful for integrating with billing systems

The security of transactions is assured using a 128-bit Secure Sockets Layer (SSL) connection between the service providers web based system and the MXSave web service.

The web service is an ideal solution for service providers that want complete control of supplementing their existing services with the ones offered by MXSave.

Web Service Minimum Requirements

Before you begin, the following minimum requirements must be met:

- You must generate an API Key by logging in to your account at www.mxsave.com with the admin login information for your account. The API Key can be generated in the settings section and needs to be used in your web service requests. You must have a Service Provider account.
- Your web site must have server-side scripting or CGI capabilities such as ASP, C#, Cold Fusion, Java, Perl, PHP or .NET.
- Your web site must be able to initiate SSL connections to our web service.
- You must parse our XML responses for the appropriate return data, we recommend utilizing the CURL package for this.

Developer Support

If you require any assistance with using the web service please e-mail our technical support team at: support@mxsave.com

For your convenience, you can find some sample code to utilize our web service on our web site. Our web service is built to support the XMLRPC communication method.

Submitting Transactions

To submit a transaction you must submit your requests to the following URL:

https://api.mxsave.com/

Each transaction submitted must contain the following minumum sets of data.

The e-mail address and API key must be passed in the HTTP Header as follows:
- HTTP_AUTH_LOGIN
- HTTP_AUTH_PASSWD

Where HTTP_AUTH_LOGIN is the admin e-mail address associated with your account and HTTP_AUTH_PASSWD is the API key generated within your account.

In addition to the above you will have to POST the XML data in an 'xml' variable in the URL string and post the method you are using in a 'method' variable in the URL string.

Clients

The following documentation shows all the methods available for managing clients in the system and how to use each method.

Adding Clients

Clients are added using the following method name: addClient

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
firstName	First Name of admin contact associated with client	Up to 50 characters	
lastName	Last Name of admin contact associated with client	Up to 50 characters	
companyName	Company Name of client	Up to 50 characters	
email	Email address of admin contact	Up to 320 characters for entire email, maximum length for local part is 64 characters, maximum length for domain part is 255 characters.	Email addresses with apostrophes will not be accepted.

Field Name	Value	Format	Notes
emailNotificationFlag	0 or 1		Pass a 0 for no e-mail notification to user, pass a 1 for user to receive an email notification with their login information to the system. This email will contain information specified in the "settings" section of the service provider account.

Sample XML Request

```xml
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <addClient>
        <firstName>John</firstName>
        <lastName>Doe</lastName>
        <companyName>ACME Inc.</companyName>
        <email>johndoe@acme.com</email>
        <emailNotificationFlag>1</emailNotificationFlag>
    </addClient>
</packet>
```

Sample Successful XML Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addClient>
    <message>success</message>
    <client>
      <id>68</id>
    </client>
    <user>
      <id>319</id>
      <password>z2kg95h</password>
    </user>
  </addClient>
</result>
```

The above response outputs an ID for the client that is added as well as an ID for the user that is added along with a password for the user. This data should be saved on your end.

Sample Error XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addClient>
    <message>error</message>
    <code>101-##</code>
    <reason>An explanation here</reason>
  </addClient>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
101-1	*Validation Failed. The following URL parameters are required to add a client: firstName, lastName, companyName, email, emailNotificationFlag*	All required fields must be sent in the request.
101-2	*email address already exists*	The email address already exists in the MXSave system.
101-3	*Insert client failed, try again*	There was a database error inserting the client, try again. Contact support if the problem persists.
101-4	*Insert user failed*	There was a database error inserting the user, try again. Contact support if the problem persists.
101-5	*email address validation failed*	The email address you are adding is not valid. We follow the RFC standards for validating an email address, except we don't allow e-mail addresses that have an apostrophe in them due to some 3rd party systems we interface with.

Code	Reason	Notes
101-6	*firstName is too long. Maximum length 50 characters*	
101-7	*lastName is too long. Maximum length 50 characters*	
101-8	*companyName is too long. Maximum length 50 characters*	
101-9	*email address is too long. Maximum length 320 characters*	
101-10	*emailNotificationFlag must be a value of 0 or 1*	

Deleting Clients

Clients are deleted using the following method name:
deleteClient

Required fields are indicated in: **bold**

Field Name	Value	Format	Notes
clientId	The ID of the client you want to delete	Numeric	Deleting a client will delete all data associated with the client, for example it will remove domains and users associated with it.

Sample XML Request
```xml
<?xml version='1.0' encoding='UTF-8'?>
<packet>
     <deleteClient>
          <clientId>123</clientId>
     </deleteClient>
</packet>
```

Sample Successful XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteClient>
    <message>success</message>
  </deleteClient>
</result>
```

Sample Error XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteClient>
    <message>error</message>
    <code>102-##</code>
    <reason>An explanation here</reason>
  </deleteClient>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
102-1	*Validation Failed: The following URL parameters are required to delete a client: clientId*	
102-2	*An unknown error has occurred while trying to delete this client, please try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
102-3	*clientId must be an integer*	
102-4	*The clientId provided does not exist or you do not have permission to delete this client*	

Updating Clients

Clients are updated using the following method name:
updateClient

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
clientId	The ID of the client you want to update	Numeric	
companyName	company name associated with client	Up to 50 characters	
firstName	first name of admin contact associated with client	Up to 50 characters	
lastName	last name of admin contact associated with client	Up to 50 characters	
email	email address for admin contact	Up to 320 characters for entire email, maximum length for local part is 64 characters, maximum length for domain part is 255 characters.	Email addresses with apostrophes will not be accepted.

NOTE: At least 1 field (companyName, firstName, lastName, email) must be updated in an updateClient request. Any data not supplied will remain unchanged. For example if you sent the companyName field in the request and did not have any data for the other elements only the companyName would be updated.

<u>Sample XML Request</u>
```xml
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <updateClient>
        <clientId>123</clientId>
        <companyName>ACME Inc</companyName>
        <firstName>John</firstName>
        <lastName>Doe</lastName>
        <email>johndoe@acme.com</email>
    </updateClient>
</packet>
```

<u>Sample Successful XML Response</u>
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <updateClient>
    <message>success</message>
  </updateClient>
</result>
```

<u>Sample Error XML Response</u>
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <updateClient>
    <message>error</message>
    <code>103-##</code>
    <reason>An explanation here</reason>
  </updateClient>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
103-1	*No permission to update this client*	
103-2	*An unknown error has occurred while trying to update this client, try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
103-3	*Validation Failed: The following URL parameters are required to update client: clientId*	

Code	Reason	Notes
103-4	*An error occurred trying to update the e-mail address for this user, try again*	There was a database error updating the email address, try again. Contact support if the problem persists.
103-5	*The user e-mail address already exists in the system*	
103-6	*E-mail address validation failed*	
103-7	*firstName is too long. Maximum length 50 characters*	
103-8	*lastName is too long. Maximum length 50 characters*	
103-9	*companyName is too long. Maximum length 50 characters*	
103-10	*email address is too long. Maximum length 320 characters*	
103-11	*clientId must be an integer number*	
103-12	*clientId provided does not exist*	
103-13	*Nothing to update, at least one field must be updated*	Please refer to the NOTE above the sample xml request in this section for an explanation

Get Client Information

To retrieve all information associated with a client use the following method name: getClient
This method will provide information associated with the client as well as output all domains that are part of this client and their current configuration.

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
clientId	ID of client to retrieve information about	Numeric	

Sample XML Request
```xml
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <getClient>
        <clientId>123</clientId>
    </getClient>
</packet>
```

Sample Successful XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getClient>
    <message>success</message>
    <client>
      <clientId>2</clientId>
      <companyName>ACME Inc</companyName>
      <firstName>John</firstName>
      <lastName>Doe</lastName>
      <active>yes</active>
    </client>
    <domain>
      <domainId>3</domainId>
      <domainName>mxsave.com</domainName>
      <mailServer>mail.mxsave.com</mailServer>
      <emailContinuity>plus</emailContinuity>
      <alias>none</alias>
      <archiving>none</archiving>
    </domain>
  </getClient>
</result>
```

The client information is returned within the <client></client> section of the XML response. This returns the information pertinent to the client.

All the domains associated with a client are returned within a <domain></domain> section of the XML response. If there was more domains associated with this client it would have another <domain></domain> section for each additional domain. Below are details on the domain data elements:
- domainName – The name of the domain we provide services for.
- mailServer – The address we forward any spooled messages to.
- emailContinuity – This would return either none, standard or plus depending on the type of e-mail continuity feature added for this domain.
- alias – Whether or not this domain is an alias to another domain in the MXSave system, if it was aliased it would show what domain name it was aliased to in this element.
- archiving – This would return either none or rolling. Rolling would be returned if the 30 day rolling archive was activated for the domain.

Sample Error XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getClient>
    <message>error</message>
    <code>104-##</code>
    <reason>An explanation here</reason>
  </getClient>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
104-1	*Validation Failed: The following URL parameters are required to get client information: clientId*	
104-2	*No permission to retrieve information for this client*	
104-3	*clientId must be an integer*	

Code	Reason	Notes
104-4	*An unknown error has occurred, please try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support

`Domains`

The following documentation shows all the methods available for managing domains in the system and how to use each method.

Add Domain

To add a domain use the following method name: addDomain

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
domainName	The name of the email domain being added, e.g. mxsave.com	Up to 255 characters	
mailServer	IP address or host name of mail server being added for domain	Up to 323 characters	This must be a valid hostname, if you enter an ip it should have a reverse ptr record associated with it or a hostname pointing to it.
clientId	The ID of the client this domain is associated with	Numeric	
emailContinuity	Whether email continuity will be enabled for the domain. A value of 1 would indicate standard email continuity, 2 would indicated plus email continuity and 0 would indicate no email continuity	Valid values are: 0 or 1 or 2	

Field Name	Value	Format	Notes
aliasDomain	If this domain is an alias of another domain, send this domain name	Up to 255 characters	The aliasDomain must be another domain owned by the client in our system which has email continuity standard or plus enabled.
archiving	0 to disable archiving or 1 to enable the 30 day rolling archive	Valid values are: 0 or 1	

Sample XML Request

```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <addDomain>
        <domainName>acme.com</domainName>
        <mailServer>mail.acme.com</mailServer>
        <clientId>123</clientId>
        <emailContinuity>2</emailContinuity>
        <archiving>0</archiving>
        <aliasDomain></aliasDomain>
    </addDomain>
</packet>
```

Sample Successful XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addDomain>
```

```
    <message>success</message>
  </addDomain>
</result>

Sample Error XML Response
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addDomain>
    <message>error</message>
    <code>105-##</code>
    <reason>An explanation here</reason>
  </addDomain>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
105-1	Validation Failed: The following URL parameters are required to add a domain: clientId, domainName, mailServer	
105-2	Unknown error when inserting domain, try again	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
105-3	Domain is not valid	Domain name must be a registered domain name on the internet
105-4	Mail Server address is not valid	This must be a valid hostname, if you enter an ip it should have a reverse ptr record associated with it or a hostname pointing to it.
105-5	Alias domain provided does not exist	
105-6	Domain already exists	

Code	Reason	Notes
105-7	Client ID is not valid or you do not have permission to add a domain for this client	
105-8	You cannot add email continuity or archiving for a domain that is an alias, please add the email continuity or archiving feature to the domain this domain is being aliased to only	
105-9	Validation Failed: clientId must be an integer number	
105-10	Validation Failed: Email Continuity must be 0 for no continuity, 1 for email continuity standard and 2 for email continuity plus	
105-11	You can only add a domain as an alias to a domain with e-mail continuity standard or plus enabled	
105-12	Validation Failed: Archiving must be 0 for no archiving or 1 for rolling 30 day archive.	
105-13	You can only add archiving when e-mail continuity is enabled on a domain.	

Delete Domain

To delete a domain use the following method name: deleteDomain

Field Name	Value	Format	Notes
domainName	Name of domain name being deleted		

Sample XML Request
```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
     <deleteDomain>
          <domainName>acme.com</domainName>
     </deleteDomain>
</packet>
```

Sample Successful XML Response
```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteDomain>
    <message>success</message>
  </deleteDomain>
</result>
```

Sample Error XML Response
```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteDomain>
    <message>error</message>
    <code>106-##</code>
    <reason>An explanation here</reason>
  </deleteDomain>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
106-1	*Validation Failed: The following URL parameters are required to delete a domain: domainName*	

Code	Reason	Notes
106-2	*No permission to delete this domain*	
106-3	*An unknown error has occurred trying to delete the domain, try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
106-4	*Unable to delete alias, please try again*	There was a database error when trying to delete the alias. Contact support if the problem persists.
106-5	*Domain name does not exist*	

Get Domain Info

To retrieve the settings for a domain use the following method name: getDomain

Field Name	Value	Format	Notes
domainName	Name of domain name being requested		

Sample XML Request
```xml
<?xml version='1.0' encoding='UTF-8'?>
<packet>
     <getDomain>
          <domainName>acme.com</domainName>
     </getDomain>
</packet>
```

Sample Successful XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getDomain>
    <message>success</message>
    <domain>
      <domainName>acme.com</domainName>
      <mailServer>mail.acme.com</mailServer>
      <emailContinuity>plus</emailContinuity>
      <alias>none</alias>
      <archiving>rolling</archiving>
    </domain>
  </getDomain>
```

Explanation of Results:
- domainName – The name of the domain we provide services for.
- mailServer – The address we forward any spooled messages to.
- emailContinuity – This would return either none, standard or plus depending on the type of e-mail continuity feature added for this domain.
- alias – Whether or not this domain is an alias to another domain in the MXSave system, if it was aliased it would show what domain name it was aliased to in this element.
- archiving – This would return either none or rolling. Rolling would be returned if the 30 day rolling archive was activated for the domain.

<u>Sample Error XML Response</u>
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getDomain>
    <message>error</message>
    <code>107-##</code>
    <reason>An explanation here</reason>
  </getDomain>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
107-1	*Validation Failed: The following parameter is required to get domain information: domainName*	
107-2	*This domain cannot be found in the system*	
107-3	*You do not have permission to get information on this domain*	

Update Domain

To update the settings for a domain use the following method
name: updateDomain

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
domainName	This is the domain name that needs to be updated		The domain name itself CANNOT be modified
mailServer	IP address or host name of mail server being added for domain	Up to 323 characters	This must be a valid hostname, if you enter an ip it should have a reverse ptr record associated with it or a hostname pointing to it.
emailContinuity	Whether email continuity will be enabled for the domain. A value of 1 would indicate standard email continuity, 2 would indicated plus email continuity and 0 would indicate no email continuity	Valid values are 0 or 1 or 2	If you disable email continuity on a domain by sending a value of 0 and that domain has the rolling archiving enabled the rolling archiving will also be disabled and removed from the domain.
aliasDomain	If this domain is an alias of another domain, send this domain name	Up to 255 characters	The aliasDomain must be another domain owned by the client in our system which has email continuity standard or plus enabled. To remove an alias pass 'delete' for this parameter.

archiving	0 to disable archiving or 1 to enable the 30 day rolling archive	Valid values are: 0 or 1	

Sample XML Request

```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
     <updateDomain>
              <domainName>acme.com</domainName>
              <mailServer>mail.acme.com</mailServer>
              <emailContinuity>1</emailContinuity>
              <archiving>0</archiving>
              <aliasDomain></aliasDomain>
     </updateDomain>
</packet>
```

Sample Successful XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <updateDomain>
    <message>success</message>
  </updateDomain>
</result>
```

Sample Error XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <updateDomain>
    <message>error</message>
    <code>108-##</code>
    <reason>An explanation here</reason>
  </updateDomain>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
108-1	*Validation Failed: The following URL parameters are required to update a domain: domainName and at least one other parameter (mailServer, emailContinuity, aliasDomain, archiving)*	
108-2	*You do not have permission to update this domain*	
108-3	*The mailserver address was not updated because it was invalid*	This must be a valid hostname, if you enter an ip it should have a reverse ptr record associated with it or a hostname pointing to it.
108-4	*The alias domain you specified is not an active domain or you do not have permission to alias this domain*	
108-5	*An unknown error has occurred trying to update this domain, try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
108-6	*Validation Failed: Archiving must be 0 for no archiving or 1 for rolling 30 day archive*	
108-7	*You cannot have archiving enabled for a domain that does not have e-mail continuity enabled*	

Code	Reason	Notes
108-8	*You cannot add email continuity or archiving for a domain that is an alias, please add the email continuity or archiving feature to the domain this domain is being aliased to only*	
108-9	*Value of emailContinuity can only be a 0 or 1 or 2*	
108-10	*This domain does not exist in the system*	
108-12	*The domain cannot be aliased to another domain since it already has email continuity enabled, disable email continuity and retry*	
108-13	*The alias domain you specified does not have email continuity standard or plus enabled*	
108-14	*The domain cannot be aliased to itself*	

Get All Domains

To retrieve all domains associated with a client use the
following method name: getDomainsAll
This method will also show the settings for each domain.

Field Name	Value	Format	Notes
clientId	The ID of the client they are retrieving information for		

Sample XML Request
```xml
<?xml version='1.0' encoding='UTF-8'?>
<packet>
     <getDomainsAll>
          <clientId>123</clientId>
     </getDomainsAll>
</packet>
```

Sample Successful XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getDomainsAll>
    <message>success</message>
     <domain>
       <domainName>acme.com</domainName>
       <mailServer>mail.acme.com</mailServer>
       <emailContinuity>standard</emailContinuity>
       <alias>none</alias>
       <archiving>none</archiving>
     </domain>
     <domain>
       <domainName>acme2.com</domainName>
       <mailServer>mail.acme2.com</mailServer>
       <emailContinuity>plus</emailContinuity>
       <alias>none</alias>
       <archiving>rolling</archiving>
     </domain>
  </getDomainsAll>
</result>
```

Explanation of Results:

- domainName – The name of the domain we provide services for.
- mailServer – The address we forward any spooled messages to.
- emailContinuity – This would return either none, standard or plus depending on the type of e-mail continuity feature added for this domain.
- alias – Whether or not this domain is an alias to another domain in the MXSave system, if it was aliased it would show what domain name it was aliased to in this element.
- archiving – This would return either none or rolling. Rolling would be returned if the 30 day rolling archive was activated for the domain.

Sample Error XML Response
```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getDomainsAll>
    <message>error</message>
    <code>116-##</code>
    <reason>An explanation here</reason>
  </getDomainsAll>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
116-1	*Validation Failed: The following parameter is required to get domain information: clientId*	
116-2	*You do not have permission to retrieve domains for this clientId*	
116-3	*No domains associated with this clientId*	
116-4	*clientId must be an integer number*	

Users

The following documentation shows all the methods available for managing users in the system and how to use each method.

Add Email Continuity User

To add an e-mail continuity user use the following method name: addEmailContinuityUser
Multiple email continuity users may be added using a single request by repeating the <addEmailContinuityUser> section as shown in the sample xml request below.

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
email	The e-mail address for the user you are wishing to add	Up to 64 characters for local part of e-mail address	E-mail addresses with apostrophes cannot be added
alias	The alias or aliases associated with the user being added	Up to 64 characters	Apostrophes are not allowed in aliases
password	The password for the user	Between 7-12 alphanumeric characters	
notify	Must have a value of YES or NO		This is a flag of YES or NO. If YES email a password to the user, if NO, do not email a password. In either case a password will need to be auto-generated unless the request includes the password tag for the user.

Sample XML Request

```xml
<?xml version='1.0' encoding='UTF-8'?>
<packet>
      <addEmailContinuityUser>
            <email>user1@acme.com</email>
            <password>1234567</password>
            <notify>no</notify>
            <alias>
                  <name>alias1</name>
            </alias>
            <alias>
                  <name>alias2</name>
            </alias>
      </addEmailContinuityUser>
      <addEmailContinuityUser>
            <email>user2@acme.com</email>
            <password></password>
            <notify>yes</notify>
      </addEmailContinuityUser>
</packet>
```

Sample Successful XML Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addEmailContinuityUser>
    <user>
      <email>user1@acme.com</email>
      <message>success</message>
      <password>1234567</password>
      <notify>no</notify>
      <alias>
        <name>alias1</name>
      </alias>
      <alias>
        <name>alias2</name>
      </alias>
    </user>
    <user>
      <email>user2@acme.com</email>
      <message>success</message>
      <password>4txb31n</password>
      <notify>yes</notify>
    </user>
  </addEmailContinuityUser>
</result>
```

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addEmailContinuityUser>
    <user>
      <email>user19@acme.com</email>
      <message>success</message>
      <password>fpn8x3b</password>
      <notify>no</notify>
    </user>
    <user>
      <email>user20@acme.com</email>
      <message>error</message>
      <code>109-##</code>
      <reason>An explanation here</reason>
    </user>
  </addEmailContinuityUser>
</result>
```

Explanation of Results:
Usually a response will be returned for each email continuity user being added, thus if there is a problem adding one of the users, other users being added in the same request might be successful. Only in some instances where there are multiple users being added there could be only a single error returned, and this would be due to an error such as the service provider not having permission to add users for this domain or the domain the users are being added for not having email continuity enabled. In this instance obviously none of the users in the request would be added.
Also the <password> node will be empty if you are adding email continuity to an admin user, in this case the password will be there existing password. This cannot be changed by adding a new password in this request, admin user passwords can only be changed using the updateEmailContinuityPassword method.

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
109-1	*Validation Failed: The following URL parameter is required to add an email continuity user: email, notify*	

Code	Reason	Notes
109-2	*This users email domain is either not in the system or e-mail continuity is not enabled on this domain*	If you receive this error and are adding multiple users, you will only see the output for the first user in the response when this error occurs.
109-3	*No permission to add e-mail continuity users for this users domain*	If you receive this error and are adding multiple users, you will only see the output for the first user in the response when this error occurs.
109-4	*An unknown error has occurred, please try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
109-5	*The e-mail address you are trying to add already exists*	
109-6	*E-mail address validation failed*	Up to 64 characters for local part of e-mail address, cannot contain any apostrophes.
109-7	*All users being added in a request must have the same domain*	You have tried to add users at different domains within the same request. In a single request all the users being added must be of the same domain.
109-8	*This alias already exists as an alias, distribution list or user*	
109-9	*The alias you have entered is invalid (aliasname)*	Up to 64 characters, cannot contain any apostrophes.
109-10	*Password is not in a valid format. Minimum 7 characters, Maximum 12 characters, letters and numbers only*	
109-11	*The value you have passed to notify is invalid, must be either YES or NO*	

Add Distribution List

To add a distribution list use the following method name:
addDistributionList
Distribution lists are used for e-mails to addresses that have
multiple recipients. For example a sales email may go to
multiple recipients and a distribution list would be used in
this case.

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
distributionListAddress	The name of the distrubtion list	Up to 64 characters for local part of e-mail	Apostrophes cannot be used in the distribution list address
email	Each recepient will be passed in the xml request node of email (See sample xml request below)		At least 1 email address must be included in the request to add a distribution list

Sample XML Request

```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
     <addDistributionList>
          <distributionListAddress>list@acme.com
          </distributionListAddress>
          <recipient>
               <email>user1@acme.com</email>
          </recipient>
          <recipient>
               <email>user2@acme.com</email>
          </recipient>
     </addDistributionList>
</packet>
```

You may add as many recipients as you want in a single xml
request to add a distribution list by duplicating the
<recipient> section for each recipient as specified above. Each
recipient must already be a valid email continuity user in the
system. Also you can add additional members to an existing

distribution list at a later time using the
addDistributionListMember method.

<u>Sample Successful XML Response</u>
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addDistributionList>
    <message>success</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
    <recipient>
      <email>user1@acme.com</email>
      <message>success</message>
    </recipient>
    <recipient>
      <email>user2@acme.com</email>
      <message>success</message>
    </recipient>
  </addDistributionList>
</result>
```

Explanation of Results:
Each recipient that is added successfully to the distribution
list in the request will receive a success response as indicated
above. Additionally each recipient that is not added
successfully will also have an error with a code displayed as
per the sample error xml response below.

Sample Error XML Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addDistributionList>
    <message>error</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
    <code>110-##</code>
    <reason>An explanation here</reason>
    <recipient>
      <email>user1@acme.com</email>
      <message>error</message>
      <code>110-##</code>
      <reason>An explanation here</reason>
    </recipient>
    <recipient>
      <email>user2@acme.com</email>
      <message>success</message>
    </recipient>
  </addDistributionList>
</result>
```

Explanation of Results:
As indicated above when one of the recipients cannot be added to the distribution list, it is specified in the return result for that recipient in the <recipient> node. Also the main section where the distribution list address is specified returns an error code indicating that there was an error with one or more recipients.

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
110-1	*Validation Failed: The following URL parameters are required to add a distribution list: distrubtionListAddress, email*	
110-2	*The distribution list address is too long, please limit the local part to under 64 characters*	
110-3	*The distribution list address is invalid, please check the address and try again*	The address must be a valid e-mail and cannot contain an apostrophe

Code	Reason	Notes
110-4	*The distribution list address already exists as a distribution list, alias or user address in this domain*	
110-6	*You do not have permission to add a distribution list for this domain*	
110-7	*At least 1 recepient must be added for the distribution list*	
110-8	*There was an error with one or more recepients*	This error goes on the main node when there is an error with one of the recipients being added
110-9	*The distribution list cannot be added because the recipients domain is different than the distribution list address domain*	
110-10	*The recipient email address does not exist or does not have e-mail continuity enabled*	Each recipient specified must be a valid email continuity user that already exists in the system
110-11	*An unknown error has occurred while adding this recipient, please try again*	A database error occurred when trying to add this recipient to the distribution list, try again, if the problem persists please contact support
110-12	*An unknown error has occurred while attempting to add this distribution list and recipients, please retry the entire operation*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
110-13	*One of the recipient addresses are invalid (recipient)*	
110-14	*Distribution lists cannot be added to domains without email continuity enabled*	Enable e-mail continuity on the domain first using the updateDomain method and then add users to it using the addEmailContinuityUser method

Add Email Continuity Alias

To add a email continuity alias use the following method name:
addEmailContinuityAlias

E-mail continuity aliases are added for users that have multiple
addresses. For example if *johndoe* also receives email for *john*
you would add *john as an email continuity alias to the johndoe*
email continuity user.

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
email	The e-mail address for the user you are adding an alias to		
alias	The alias or aliases being added for the user	Up to 64 characters	Apostrophes are not allowed in aliases. You can add as many aliases as you want in a single request, see the sample request below.

Sample XML Request
```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <addEmailContinuityAlias>
        <email>user1@acme.com</email>
        <alias>
            <name>alias1</name>
        </alias>
        <alias>
            <name>alias2</name>
        </alias>
    </addEmailContinuityAlias>
</packet>
```

Sample Successful XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
   <addEmailContinuityAlias>
      <message>success</message>
      <email>user1@acme.com</email>
      <alias>
         <name>alias1</name>
         <message>success</message>
      </alias>
      <alias>
         <name>alias2</name>
         <message>success</message>
      </alias>
   </addEmailContinuityAlias>
</result>
```

Explanation of Results:
Each alias that is added successfully for the e-mail continuity user in the request will receive a success response as indicated above. Additionally each alias that is not added successfully will also have an error with a code displayed as per the sample error xml response below.

Sample Error XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
   <addEmailContinuityAlias>
      <message>error</message>
      <email>user1@acme.com</email>
      <code>121-##</code>
      <reason>An explanation here</reason>
      <alias>
         <name>alias1</name>
         <message>error</message>
         <code>121-##</code>
         <reason>An explanation here</reason>
      </alias>
      <alias>
         <name>mupe</name>
         <message>success</message>
      </alias>
   </addEmailContinuityAlias>
</result>
```
Explanation of Results:

As indicated above when one of the aliases cannot be added for the user, it is specified in the return result for that alias in the <alias> node. Also the main section where the email continuity user address is specified returns an error code indicating that there was an error with one or more aliases.

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
121-1	*Validation failed: The following parameters are required to add an alias: email, alias*	
121-2	*No permission to add an alias for this user*	
121-3	*This alias already exists as an alias, distribution list or user*	
121-4	*The alias address you have entered is invalid. If you added any other aliases in this request they were also not added.*	Aliases must be up to a maximum of 64 characters and must be valid email addresses and not include apostrophes
121-5	*Unknown error, please try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
121-6	*This users email domain is either not in the system or e-mail continuity is not enabled on this domain*	
121-7	*The e-mail address you have entered is invalid*	
121-8	*The e-mail address you are adding an alias to either does not exist or does not have email continuity enabled*	
121-9	*One or more aliases had errors*	This error goes on the main node and shows that one or more aliases being added had errors

Delete Email Continuity User

To delete an email continuity user use the following method
name: deleteEmailContinuityUser

This method also removes any aliases the user has as well as
removes them from any distribution lists they are a part of.

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
email	The email address of the user being deleted		More than one email continuity user may be deleted per each request, see the sample request below

Sample XML Request
```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
     <deleteEmailContinuityUser>
          <email>user1@acme.com</email>
     </deleteEmailContinuityUser>
     <deleteEmailContinuityUser>
          <email>user2@acme.com</email>
     </deleteEmailContinuityUser>
</packet>
```

Sample Successful XML Response
```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteEmailContinuityUser>
    <user>
       <email>user1@acme.com</email>
       <message>success</message>
    </user>
    <user>
       <email>user2@acme.com</email>
       <message>success</message>
    </user>
  </deleteEmailContinuityUser>
</result>
```

Explanation of Results:
Each user that is successfully deleted will have a success message in their individual <user> nodes in the result.

Sample Error XML Response
```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteEmailContinuityUser>
    <user>
      <email>user1@acme.com</email>
      <message>error</message>
      <code>111-##</code>
      <reason>An explanation here</reason>
    </user>
    <user>
      <email>user2@acme.com</email>
      <message>success</message>
    </user>
  </deleteEmailContinuityUser>
</result>
```

Explanation of Results:
Each user will have their own success or error message returned within their individual <user> nodes in the results. In the above example you can see user1@acme.com could not be deleted.

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
111-1	*Validation Failed: The following parameters are required to delete an email continuity user: email*	
111-2	*This user does not exist, does not have email continuity enabled or is an admin*	Admin users cannot be deleted, what you can do is utilize the updateClient method to change the admin contact to a different email then delete the user using the deleteEmailContinuityUser method specified here

Code	Reason	Notes
111-3	*An unknown error occurred while trying to delete the user, please try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
111-4	*You do not have permission to delete this user*	

Delete Email Continuity Alias

To delete an email continuity alias use the following method
name: deleteEmailContinuityAlias

Multiple aliases may be deleted from a single email continuity
user using a single request as specified in the sample below.

Required fields are indicated in: **bold**

Field Name	Value	Format	Notes
email	The email address associated with the alias that is being removed		
alias	The alias that is being deleted	The actual alias is embedded in a <name> node within the <alias> node for each alias being deleted	More than one alias may be deleted per request, see the sample request below.

Sample XML Request
```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <deleteEmailContinuityAlias>
        <email>user1@acme.com</email>
        <alias>
            <name>alias1</name>
        </alias>
        <alias>
            <name>alias2</name>
        </alias>
        <alias>
            <name>alias3</name>
        </alias>
    </deleteEmailContinuityAlias>
</packet>
```

Sample Successful XML Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteEmailContinuityAlias>
    <email>user1@acme.com</email>
    <alias>
      <name>alias1</name>
      <message>success</message>
    </alias>
    <alias>
      <name>alias2</name>
      <message>success</message>
    </alias>
    <alias>
      <name>alias3</name>
      <message>success</message>
    </alias>
  </deleteEmailContinuityAlias>
</result>
```

Sample Error XML Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteEmailContinuityAlias>
    <message>error</message>
    <email>user1@acme.com</email>
    <code>112-##</code>
    <reason>An explanation here</reason>
    <alias>
      <name>alias1</name>
      <message>error</message>
      <code>112-##</code>
      <reason>An explanation here</reason>
    </alias>
    <alias>
      <name>alias2</name>
      <message>success</message>
    </alias>
  </deleteEmailContinuityAlias>
</result>
```

Explanation of Results:
Each alias will have their own success or error message returned within their individual <alias> nodes in the results. In the above example you can see alias1 could not be deleted.

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
112-1	*Validation Failed: The following parameters are required to delete an email continuity alias: email, alias*	
112-2	*You do not have permission to delete aliases for this email address*	
112-3	*This email address does not exist or email continuity is not enabled for this address*	
112-4	*Alias not found*	
112-5	*An unknown error occurred, please try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
112-6	*One or more aliases could not be deleted*	This error occurs in the main node when one or more aliases could not be deleted

Add Distribution List Member

To add a member to a distribution list use the following method name: addDistributionListMember

Multiple members may be added to the distribution list using a single request as specified in the sample below.

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
distributionListAddress	This is the name of the existing distribution list		
email	The recipient who is being added to the distribution list	The email node is enclosed in the <recipient> node for each new distribution list member	The recipient must already have been added as an email continuity user previously

Sample XML Request
```xml
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <addDistributionListMember>
        <distributionListAddress>list@acme.com
        </distributionListAddress>
        <recipient>
            <email>user1@acme.com</email>
        </recipient>
        <recipient>
            <email>user2@acme.com</email>
        </recipient>
    </addDistributionListMember>
</packet>
```

Sample Successful XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addDistributionListMember>
    <message>success</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
    <recipient>
      <email>user1@acme.com</email>
      <message>success</message>
    </recipient>
    <recipient>
      <email>user2@acme.com</email>
      <message>success</message>
    </recipient>
  </addDistributionListMember>
</result>
```

Sample Error XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <addDistributionListMember>
    <message>error</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
    <code>113-##</code>
    <reason>An explanation here</reason>
    <recipient>
      <email>user1@acme.com</email>
      <message>error</message>
      <code>113-##</code>
      <reason>An explanation here</reason>
    </recipient>
    <recipient>
      <email>user2@acme.com</email>
      <message>success</message>
    </recipient>
  </addDistributionListMember>
</result>
```

Explanation of Results:
Each recipient being added will have their own success or error message returned within their individual <recipient> nodes in the results. In the above example you can see user1@acme.com could not be added.

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
113-1	*The following parameters are required to add a distribution list member: distributionListAddress, email*	
113-2	*The distribution list was not found*	
113-3	*The domain for the distribution list was not found*	
113-4	*You do not have permission to add members to this distrubtion list*	
113-5	*An unknown error has occurred while adding this recipient, please try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
113-6	*The recipient is already a member of the distribution list*	
113-7	*There was an error with one or more recipients*	This error is returned in the main node when one or more of the recipients cannot be added to the distribution list
113-9	*The recipient cannot be added because the recipients domain is different than the distribution list address domain*	
113-10	*The recipient email address does not exist or does not have e-mail continuity enabled*	

Delete Distribution List Member

To delete a member from a distribution list use the following
method name: deleteDistributionListMember

Multiple members may be deleted from the distribution list using
a single request as specified in the sample below.

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
distributionListAddress	This is the name of the existing distribution list		
email	The address of the member being removed from the distribution list	The email node is enclosed in the <recipient> node for each distribution list member being deleted	

Sample XML Request
```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <deleteDistributionListMember>
        <distributionListAddress>list@acme.com
        <distributionListAddress>
        <recipient>
            <email>user1@acme.com</email>
        </recipient>
        <recipient>
            <email>user2@acme.com</email>
        </recipient>
    </deleteDistributionListMember>
</packet>
```

Sample Successful XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteDistributionListMember>
    <message>success</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
    <recipient>
      <email>user1@acme.com</email>
      <message>success</message>
    </recipient>
    <recipient>
      <email>user2@acme.com</email>
      <message>success</message>
    </recipient>
  </deleteDistributionListMember>
</result>
```

Sample Error XML Response
```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteDistributionListMember>
    <message>error</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
    <code>114-##</code>
    <reason>An explanation here</reason>
    <recipient>
      <email>user1@acme.com</email>
      <message>error</message>
      <code>114-##</code>
      <reason>An explanation here</reason>
    </recipient>
    <recipient>
      <email>user2@acme.com</email>
      <message>success</message>
    </recipient>
  </deleteDistributionListMember>
</result>
```

Explanation of Results:
Each recipient being deleted will have their own success or error message returned within their individual <recipient> nodes in the results. In the above example you can see user1@acme.com could not be deleted.

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
114-1	*The following parameters are required to delete a distribution list member: distributionListAddress, email*	
114-2	*The distribution list was not found*	
114-3	*The domain for the distribution list was not found*	
114-4	*An unknown error has occurred please try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
114-5	*This domain doesn't include any valid distribution lists*	
114-6	*You do not have permission to delete this user from the distribution list*	
114-7	*The user is not a member of the distribution list*	
114-8	*There was an error with one or more recepients*	This error is returned in the main node, indicating an error with one or more users being deleted from the distribution list
114-9	*This user does not exist*	

Delete Distribution List

To delete a distribution list use the following method name:
deleteDistributionList

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
distributionListAddress	This is the address of the distribution list being deleted		

Sample XML Request
```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
     <deleteDistributionList>
         <distributionListAddress>list@acme.com
         </distributionListAddress>
     </deleteDistributionList>
</packet>
```

Sample Successful XML Response
```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteDistributionList>
    <message>success</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
  </deleteDistributionList>
</result>
```

Sample Error XML Response
```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <deleteDistributionList>
    <message>error</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
    <code>115-2</code>
    <reason>An explanation here</reason>
  </deleteDistributionList>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
115-1	*The following parameters are required to delete a distribution: distributionListAddress*	
115-2	*The distribution list does not exist*	
115-3	*The distribution list address you are trying to delete is not a distribution list, use deleteEmailContinuityAlias instead*	You are trying to delete an alias instead of a distribution list
115-4	*The domain for the distribution list address was not found*	
115-5	*You do not have permission to delete this distribution list*	
115-6	*An unknown error has occurred, please try again later*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
115-7	*This domain doesn't include any valid distribution lists*	

Get All Email Continuity Users

To retrieve all email continuity users associated with a domain
use the following method name: getEmailContinuityUsers

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
domainName	The name of the domain users are being retrieved for		

Sample XML Request

```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
     <getEmailContinuityUsers>
          <domainName>acme.com</domainName>
     </getEmailContinuityUsers>
</packet>
```

Sample Successful XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getEmailContinuityUsers>
    <message>success</message>
    <user>
      <email>user1@acme.com</email>
      <firstName></firstName>
      <lastName></lastName>
      <password>gbwjh4d</password>
      <distributionList>
        <name>lister</name>
      </distributionList>
      <distributionList>
        <name>sales2</name>
      </distributionList>
    </user>
    <user>
      <email>user2@acme.com</email>
      <firstName></firstName>
      <lastName></lastName>
      <password>xw2g7mq</password>
      <alias>
        <name>hunger</name>
      </alias>
```

```
    </user>
    <user>
      <email>user3@acme.com</email>
      <firstName></firstName>
      <lastName></lastName>
      <password>r423ftw</password>
    </user>
</getEmailContinuityUsers>
</result>
```

Sample Error XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getEmailContinuityUsers>
    <message>error</message>
    <code>117-##</code>
    <reason>An explanation here</reason>
  </getEmailContinuityUsers>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
117-1	*Validation Failed: The following parameter is required to get email continuity users: domainName*	
117-2	*The domain name you specified does not exist*	
117-3	*You do not have permission to retrieve users for this domain*	
117-4	*This domain does not have email continuity enabled*	

Get Email Continuity User Info

To retrieve information about a particular email continuity user use the following method name: getEmailContinuityUsers

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
email	The email address of the email continuity user information is being retrieved for		

Sample XML Request

```xml
<?xml version="1.0" encoding="UTF-8"?>
<packet>
    <getEmailContinuityUserInfo>
        <email>user1@acme.com</email>
    </getEmailContinuityUserInfo>
</packet>
```

Sample Successful XML Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getEmailContinuityUserInfo>
    <message>success</message>
    <user>
      <email>user1@acme.com</email>
      <firstName></firstName>
      <lastName></lastName>
      <password>2c94s3g</password>
      <alias>
        <name>alias1</name>
      </alias>
      <alias>
        <name>alias2</name>
      </alias>
    </user>
  </getEmailContinuityUserInfo>
</result>
```

Sample Error XML Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getEmailContinuityUserInfo>
    <message>error</message>
    <code>118-##</code>
    <reason>An explanation here</reason>
  </getEmailContinuityUserInfo>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
118-1	*Validation Failed: The following parameter is required to get email continuity user info: email*	
118-2	*This user is not an email continuity user*	
118-3	*The users domain does not exist*	
118-4	*You do not have permission to retrieve information for this user*	
118-5	*The domain for the user does not have email continuity enabled and has no users*	

Get Distribution List Info

To retrieve information about a particular distribution list and all the users part of that list use the following method name: getDistributionListInfo

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
distributionListAddress	The address of the distribution list		

Sample XML Request

```xml
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <getDistributionListInfo>
        <distributionListAddress>list@acme.com
        </distributionListAddress>
    </getDistributionListInfo>
</packet>
```

Sample Successful XML Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getDistributionListInfo>
    <message>success</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
    <recipient>
      <email>user1@acme.com</email>
    </recipient>
    <recipient>
      <email>user2@acme.com</email>
    </recipient>
    <recipient>
      <email>user3@acme.com</email>
    </recipient>
  </getDistributionListInfo>
</result>
```

Sample Error XML Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <getDistributionListInfo>
    <message>error</message>
    <distributionListAddress>list@acme.com
    </distributionListAddress>
    <code>119-##</code>
    <reason>An explanation here</reason>
  </getDistributionListInfo>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
119-1	*Validation Failed: The following parameter is required to get distribution list info: distributionListAddress*	
119-2	*The distribution list address you specified does not exist*	
119-3	*The domain of the distribution list address you specified does not exist*	
119-4	*You do not have permission to retrieve information on this distribution list*	
119-5	*This domain does not have any distribution lists*	

Update E-mail Continuity Password
To update an email continuity users password or an admin users password use the following method name:
updateEmailContinuityPassword

*Required fields are indicated in: **bold***

Field Name	Value	Format	Notes
email	The email address for the users password that will be changed		
password	The password that will be modified	7-12 alphanumeric characters	No special characters are allowed in password, do not use local part of email address in password
notify	Whether to send an email notification regarding the password change to the user	Must be a value of "yes" or "no"	

Sample XML Request
```
<?xml version='1.0' encoding='UTF-8'?>
<packet>
    <updateEmailContinuityPassword>
        <email>user1@acme.com</email>
        <password>1234567</password>
        <notify>yes</notify>
    </updateEmailContinuityPassword>
</packet>
```

Sample Successful XML Response
```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <updateEmailContinuityPassword>
    <message>success</message>
  </updateEmailContinuityPassword>
</result>
```

Sample Error XML Response
```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <updateEmailContinuityPassword>
    <message>error</message>
    <code>120-##</code>
    <reason>An explanation here</reason>
  </updateEmailContinuityPassword>
</result>
```

The error response will display a code number and reason that correlates to the following:

Code	Reason	Notes
120-1	*Validation Failed: The following parameters are required to change a password: email, password, notify*	
120-2	*User not found*	
120-3	*You do not have permission to change this users password*	
120-4	*Users e-mail domain was not found*	
120-5	*An unknown error has occurred while updating the password, please make sure the password does not contain the mail account name as its part and try again*	This error occurs when we have a problem communicating with an internal system, if the problem persists please contact support
120-6	*The password you specified is invalid. Passwords must be between 7-12 characters and only contain letters or numbers*	
120-7	*The value you specified in the notify flag is incorrect, it must be yes or no*	