**natureapi.client.profiles=nAtUr3A91,xB@ThR33,pU3A4@min,WP-PRESS,BDJJOBS,EDUCATION,COMMENT,PRECEDINGS,JOBS,NETWORK,EXCHANGE,SCIBX,EVENTS,SCITABLE,WA,MOBILE,MYNATURE,PUBSERV,WP-PRESS**

**1. Checks users existence based on the email provided Done**

http://test-www.nature.com/api/users/email/{emailId}

Put email in the url eg: <http://test-www.nature.com/api/users/email/deepaksharma@mailinator.com>

<http://nf-test.nature.com/api/users/email/deepaksharma@mailinator.com?client=nAtUr3A91>

http://staging-www.nature.com/api/users/email/deepaksharma@mailinator.com?client=nAtUr3A91

Test case:

1.1) if email is valid then it will returns

Status Code: 200 OK

1.2) if email invalid then it will returns

Status Code: 404 Not Found

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**2. Creates a new user on Nature.com**

<http://test-www.nature.com/api/users>

<http://nf-test.nature.com/api/users?client=nAtUr3A91>

<http://nf-test.nature.com/api/users?client=xB@ThR33>

[http://staging-www.nature.com/api/users? client=xB@ThR33](http://staging-www.nature.com/api/users?client=nAtUr3A91)

http://staging-www.nature.com/api/users?client=xB@ThR33

<http://staging-www.nature.com/api/users?client=nAtUr3A91>

http://staging-www.nature.com/api/users?client=EDUCATION

<http://nf-test.nature.com/api/users?client=pU3A4@min>

http://staging-www.nature.com/api/users?client=PUBSERV

Parameters:

firstname=Deepak&lastname=Sharma&email=deepaksharma@mailinator.com&password=deepaksharma@mailinator.com&title=&country=IN

Method: POST

Test case:

2.1) if email already exist then returns : 400 Bad Request

2.2) if any of the below parameter is missing

http://staging-www.nature.com/api/users?client=PUBSERV

email, password, firstname, lastname

then returns

Status Code: 422 Unprocessable Entity

2.3) if email is new and user registeration is successfull then returns

Status Code: 200 OK

Note: This is data creation tool, so please avoid doing this on staging.

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**3. Authenticate a user using their email and password**

http://test-www.nature.com/api/users/{email}/password

eg: <http://test-www.nature.com/api/users/deepaksharma@mailinator.com/password>

http://nf-test.nature.com/api/users/deepaksharma@mailinator.com/password?client=nAtUr3A91

http://nf-test.nature.com/api/users/deepaksharma@mailinator.com/password?client= xB@ThR33

http://nf-test.nature.com/api/users/deepaksharma@mailinator.com/password?client=pU3A4@min

Body Parameters:

password=deepaksharma@mailinator.com

Method: POST

<http://staging-www.nature.com/api/users/deepaksharma@mailinator.com/password?client=nAtUr3A91>

http://staging-www.nature.com/api/users/deepaksharma@mailinator.com/password?client=PRECEDINGS

Test case:

3.1) If user with specified email is not found then returns

Status Code: 404 Not Found

3.2) If user exists and password is invalid then returns

Status Code: 400 Bad Request

3.3) If user exists and password matches then returns

Status Code: 200 OK

Response Body:

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

<foxtrot>

<magic>fe4b774dac7a306336ce7a8c54524d78/c5c870217a9cccd6762454364b5fb3db</magic>

<cookie>

<name>sessionid</name>

<value>fe4b774dac7a306336ce7a8c54524d78</value>

<path></path>

</cookie>

<cookie>

<name>token</name>

<value>c5c870217a9cccd6762454364b5fb3db</value>

<path></path>

</cookie>

<user>

<id>10001115</id>

<firstname>Deepak</firstname>

<lastname>Sharma</lastname>

<email>deepaksharma@mailinator.com</email>

<title>

</title>

<affiliate>

</affiliate>

</user>

<login>ruldqrgxhfch@chwbpbqach.qet&amp;|12L4MdT8AQj.g&amp;|0</login>

</foxtrot>

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**4. Get user data on recorded**

<http://nf-test.nature.com/api/users/3464516?client=nAtUr3A91>

<http://nf-test.nature.com/api/users/3464516?client=pU3A4@min>

<http://nf-test.nature.com/api/users/3464516?client=xB@ThR33>

http://staging-www.nature.com/api/users/2981417?client=BDJJOBS

http://test-www.nature.com/api/users/{recordId}

Eg: <http://test-www.nature.com/api/users/3464516>

http://staging-www.nature.com/api/users/2981417?client=nAtUr3A91

http://nf-test.nature.com/api/users/3464516?client=pU3A4@min

Test case:

4.1) If user with specified recordId is not found then returns

Status Code: 404 Not Found

Resoponse Body:

user {recordId} was not found

4.2) If user exists with given recordId exists

Status Code: 200 OK

Response Body:

<foxtrot>

<user>

<id>3464516</id>

<firstname>Rashmi</firstname>

<lastname>Verma</lastname>

<email>rashmi.verma@adi-mps.com</email>

<title/>

<username/>

<verificationKey/>

<loginCookie/>

</user>

</foxtrot>

Note: recordId is from accounts table

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**5. Whether subscribed for ealert or not**

<http://nf-test.nature.com/api/users/3464516/ealerts/306?client=xB@ThR33>

<http://staging-www.nature.com/api/users/2981417/ealerts/306?client=BDJJOBS>

<http://staging-www.nature.com/api/users/2981417/ealerts/71?client=JOBS>

http://test-www.nature.com/api/users/{recordId}/ealerts/{ealertId}

eg: http://test-www.nature.com/api/users/3464516/ealerts/306

Test case:

5.1) If user subscribed to the given ealert then returns

Status Code: 200 OK

Response Body:

<foxtrot>

<subscribed>true</subscribed>

</foxtrot>

5.2) If user not subscribed to the given ealert then returns

Status Code: 200 OK

<foxtrot>

<subscribed>$subscribed</subscribed>

</foxtrot>

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6. To send verification request

http://test-www.nature.com/api/verify/{recordid}/request

Eg: <http://test-www.nature.com/api/verify/10001115/request>

<http://nf-test.nature.com/api/verify/10001115/request>?client= xB@ThR33

http://nf-test.nature.com/api/verify/10001115/request?client= xB@ThR33

http://nf-test.nature.com/api/verify/10001115/request?client= nAtUr3A91

http://nf-test.nature.com/api/verify/10001115/request?client= pU3A4@min

http://staging.nature.com/api/verify/10001115/request?client=xB@ThR33

Body Parameters:

email=rashmi.verma@adi-mps.com

Method: POST

Test case:

Note on staging

6.1) If verification for the user with recordId provided is required then returns

Status Code: 200 OK

{i.e email for verification request sent}

6.2) If verification for the user with recordId provided is not required then returns

Status Code: 400 Bad Request

{i.e email/user already verified}

Response Body:

Invalid key or email address already verified

6.3) If problems verification request is applicable and not able to send email then returns

Status Code: 500 Internal Server Error

6.4) If key provided is invalid then returns

eg: http://test-www.nature.com/api/verify/32asdasdas03450/request

Status Code: 400 Bad Request

Response Body:

Invalid key.

Note: Please don't do this on staging

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**7. Get/Update user demographic details**

http://test-www.nature.com/api/users/{recordId}/demographics

Eg:http://test-www.nature.com/api/users/3464516/demographics

http://nf-test.nature.com/api/users/3464516/demographics?client=nAtUr3A91

http://nf-test.nature.com/api/users/3464516/demographics ?client= xB@ThR33

http://nf-test.nature.com/api/users/3464516/demographics ?client=pU3A4@min

http://staging-www.nature.com/api/users/2981417/demographics?client=nAtUr3A91

Test case:

7.1) If recordId exists then returns

Status Code: 200 OK

Response:

<foxtrot>

<demographics>

<id>3464516</id>

<field>2</field>

<other\_field/>

<place>2</place>

<other\_place/>

<pri\_spec>13</pri\_spec>

<other\_pri\_spec/>

<sec\_spec>13</sec\_spec>

<other\_sec\_spec/>

<pos>2</pos>

<other\_pos/>

<main\_act>2</main\_act>

<other\_main\_act/>

<pro\_qual>8</pro\_qual>

<other\_pro\_qual/>

<company>MPS</company>

<commentTermsAgreement>false</commentTermsAgreement>

<eclipseUserId>4566238</eclipseUserId>

</demographics>

</foxtrot>

http://nf-test.nature.com/api/users/34164516/demographics?client=pU3A4@min

7.2) If recordId donot exists then returns

Status Code: 404 Not Found

Response body:

user {recordid} was not found

7.3)

Update user demographics details

http://test-www.nature.com/api/users/{recordId}/demographics

Eg: <http://test-www.nature.com/api/users/10001115/demographics>

http://nf-test.nature.com/api/users/10001115/demographics?client=pU3A4@min

Method=PUT

Parameters eg:

field=2&other\_field=&place=4&other\_place=&pri=13&other\_pri\_spec=&sec=13&other\_sec\_spec=&pos=2&other\_pos=&main\_act=2&other\_main\_act=&pro\_qual=8&other\_pro\_qual=

For complete list of fields please see wiki: http://powerplant.nature.com/wiki/display/natureapi/Nature+API+-+User

If recordId exists then returns

Status Code: 200 OK

Response Body (with updated values):

<foxtrot>

<demographics>

<id>10001115</id>

<field>2</field>

<other\_field/>

<place>4</place>

<other\_place/>

<pri\_spec>13</pri\_spec>

<other\_pri\_spec>Other</other\_pri\_spec>

<sec\_spec>13</sec\_spec>

<other\_sec\_spec>Other</other\_sec\_spec>

<pos>2</pos>

<other\_pos/>

<main\_act>16</main\_act>

<other\_main\_act>Other</other\_main\_act>

<pro\_qual>7</pro\_qual>

<other\_pro\_qual>Other</other\_pro\_qual>

<company/>

<commentTermsAgreement>false</commentTermsAgreement>

<eclipseUserId/>

</demographics>

</foxtrot>

If recordId doesn't exists then returns

Status Code: 404 Not Found

Response Body:

user {recordId} was not found

Note: This is data modification tool, so please avoid doing this on staging.

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**8. Get/Update user address**

http://test-www.nature.com/api/users/{recordId}/address

Eg: <http://nf-test.nature.com/api/users/3464516/address?client=pU3A4@min>

http://staging-www.nature.com/api/users/2981417/address?client=pU3A4@min

Test Case:

8.1) If recordId exists then returns

Status Code: 200 OK

Response:

<foxtrot>

<user>

<id>3464516</id>

<addr1/>

<addr2/>

<addr3/>

<city/>

<state/>

<country>US</country>

<zip/>

<phone/>

</user>

</foxtrot>

8.2) If recordId exists then returns

Status Code: 404 Not Found

Response body:

user {recordid} was not found

8.3) Update user address

http://test-www.nature.com/api/users/{recordId}/address

Eg: <http://test-www.nature.com/api/users/10001115/address>

http://nf-test.nature.com/api/users/10001115/address?client=pU3A4@min

Method: PUT

Parameters eg:

addr1=MPS Ltd.&addr2=Plot No. 865&addr3=Phase V&city=Gurgaon&state=Haryana&country=IN&zip=110011&phone=0909090909

If record exists then it returns

Status Code: 200 OK

Response Body:

<foxtrot>

<user>

<id>10001115</id>

<addr1>MPS Ltd.</addr1>

<addr2>Plot No. 865</addr2>

<addr3>Phase V</addr3>

<city>Gurgaon</city>

<state>Haryana</state>

<country>IN</country>

<zip>110011</zip>

<phone>0909090909</phone>

</user>

</foxtrot>

If record doesn't exists then it returns

user {recordId} was not found

Note: This is data modification tool, so please avoid doing this on staging.

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**9. Resource to validate an SSO cookie**

http://test-www.nature.com/api/sso/{sessionId}/{token}

Eg: Steps

First: Authenticate a user using their email and password (See Test case 3)

Second: Extract sessionid value and token value from xml response in first step

Put seesionid and token value in the rest url like below

<http://test-www.nature.com/api/sso/8d34b356dd24733bea9b974c737a18a/13c73b38b462fe9f809065e5e0973423>

http://staging-www.nature.com/api/sso/99d4d9347a107c8941eb9419934aaf6/cce56f65c6336cc5faf03c497d1b43?client=pU3A4@min

http://nf-test.nature.com/api/sso/8d34b356dd24733bea9b974c737a18a/13c73b38b462fe9f809065e5e0973423

9.1) If token is invalid then it returns

Status Code: 401 Unauthorized

Response Body:

invalid token

9.2) If sessionid is invalid then it returns

Status Code: 404 Not Found

Response Body:

{session id} is not a valid session

9.3) If sessionid and token both are valid then it returns

Status Code: 200 OK

Response Body:

OK

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**10. Retrieves information from cache based on key provided**

http://test-www.nature.com/api/cache/{cache\_key}

Steps:

First: Open a resource which stores some information in cache.

Eg 1: <http://test-www.nature.com/news/2008/080731/full/news.2008.1001.html>

http://nf-test.nature.com/news/2008/080731/full/news.2008.1001.html?client=pU3A4@min

It creates below cache key:

com.nature.webservices.resource.ArticleResource-doi-news.2008.1001

Now use natureapi to retrieve information from cache

<http://test-www.nature.com/api/cache/com.nature.webservices.resource.ArticleResource-doi-news.2008.1001>?client=pU3A4@min

http://nf-test.nature.com/api/cache/com.nature.webservices.resource.ArticleResource-doi-news.2008.1001

Eg 2: Login to Nature application with a userid having some subscriptions

It creates below cache key:

UserLicenses:{userId}

Now use natureapi to retrieve information from cache

<http://test-www.nature.com/api/cache/UserLicenses:ravinder.kumar@adi-mps.com>

http://nf-test.nature.com/api/cache/UserLicenses:ravinder.kumar@adi-mps.com?client= pU3A4@min

http://staging-www.nature.com/api/cache/UserLicenses:ravinder.kumar@adi-mps.com?client= pU3A4@min

Test Case:

10.1) If key is not found in cache then it returns

Status Code: 404 Not Found

Response Body:

key {cache key} was not found

10.2) If key is found in cache then it returns

Status Code: 200 OK

Response Body:

<cache>

<key>UserLicenses:ravinder.kumar@adi-mps.com</key>

<key>

{value}

</key>

</cache>

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**11. Getting dynamic doi from api - This is done by Pubadmin and for products NINDIA and NMIDDLEEAST only**

http://test-www.nature.com/api/doi/{code}

Eg:

<http://test-www.nature.com/api/doi/NINDIA>

http://nf-test.nature.com/api/doi/NINDIA?client= pU3A4@min

http://nf-test.nature.com/api/doi/NINDIA?client= xB@ThR33

http://test-www.nature.com/api/doi/NMIDDLEEAST

http://nf-test.nature.com/api/doi/NMIDDLEEAST?client= xB@ThR33

http://staging-www.nature.com/api/doi/NINDIA?client=xB@ThR33

Note: Code should be in upper case

Test case:

11.1) If product code found then it returns

Status Code: 200 OK

Response Body:

<doi>{doi}</doi>

This doi starts with productcode followed by "." and then current year and a number at last which is dynnamic.

Eg: <doi>nindia.2013.9</doi>

Assert can be applied on product code and current year. - eg starts with nindia.2013

11.2) If product code is not found then it returns

Status Code: 500

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**12. Creating a new Nindia or Nmiddleeast article**

This is in process done by Pubadmin and Natureapi. Pubadmin posts xml to NatureApi and Natureapi copies the xml to file system, uploads it to solr and ingests it into marklogic.

<http://test-www.nature.com/api/article> Not done on nf-test

<http://platformdev.nature.com/api/article>?client= xB@ThR33

http://nf-test.nature.com/api/article?client=xB@ThR33

Parameters:

xml=a valid xml

Method: POST

Eg: Please do this on test only and use this example xml content.

xml=<article><id>13503</id><language>eng</language><altlang><altver language="" extrefid=""/></altlang><reporter>Tester</reporter><editor>Tester</editor><subeditor/><created-at>2013-01-15 00:00:00</created-at><written-at>2013-01-15 00:00:00</written-at><first-published-at>2012-01-15 00:00:00</first-published-at><last-published-at>2012-01-15 00:00:00</last-published-at><article-type><code>rhighlts</code><name>Research highlight</name></article-type><publication>news</publication><title>test article</title><summary>This article is for test purposes. The script should run at test environment only and not not to be run at staging.

</summary><body>This article is for test purposes. The script should run at test environment only and not not to be run at staging.</body><list-label/><doi-id>news.2012.15</doi-id><notes/><end-notes/><pdf></pdf><authors></authors><categories></categories><keywords></keywords><pull-quotes></pull-quotes><references></references><boxes></boxes><figures></figures><tables></tables><images></images><links><nature-links></nature-links><external-links></external-links></links><related-articles></related-articles><corrections></corrections><specials></specials><slideshows></slideshows></article>

Note: Don’t do this on staging

**12.1) If xml parameter value is empty/null then it returns**

Status Code: 400 Bad Request

The following errors were detected: java.lang.Exception No XML received

12.2) If xml is not well formed then it returns

Status Code: 400 Bad Request

Response Body:

<Error>

The following errors were detected:

<Type>org.xml.sax.SAXParseException</Type>

<Message>XML could not be parsed</Message>

</Error>

12.3) If xml is well formed then it returns

Status Code: 200 OK

Response Body:

Xml content

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**13. Retrieve article xml (from filesystem) for Nindia, Nmiddleeast and News archive based on doi**

http://test-www.nature.com/api/article/doi/{doi}

Eg: http://test-www.nature.com/api/article/doi/news.2012.15

<http://nf-test.nature.com/api/article/doi/news.2012.15?client=pU3A4@min>

http://staging-www.nature.com/api/article/doi/news.2012.15?client=pU3A4@min

Test case:

13.1) If doi is incorrect / (file with doi) not in filesystem then it returns

Status Code: 400 Bad Request

Response Body:

article {given doi} was not found

13.2) If doi is found then it returns

Status Code: 200 OK

Response Body:

Article xml content

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**14. Retrieve article xml (from Marklogic) for Nindia and Nmiddleeast based on doi**

http://test-www.nature.com/api/article/doi/{doi}/view/{viewType}

Eg: http://test-www.nature.com/api/article/doi/news.2012.15/view/npg

http://nf-test.nature.com/api/article/doi/news.2012.15/view/npg?client= pU3A4@min

Test case:

http://staging-www.nature.com/api/article/doi/news.2012.15/view/npg?client=pU3A4@min

14.1) If doi is incorrect / (file with doi) not in marklogic then it returns

Status Code: 400 Bad Request

Resoponse Body:

article {doi} was not found

14.2) If doi is found then it returns

Status Code: 200 OK

Response Body:

Article xml content