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Author : Sankha Sil	Date :05-03-2013

Nyon API Manual

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Revision History

Ver.	Date	Name	Description of Changes
1.0	28/01/13	Sankha Sil	First Edition
2.0	05/03/13	Sankha Sil	Second Edition(added snapshots for Html Response)

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1 Introduction

Nyon API is the Interface to Nyon Server. Nyon Server exposes methods that can be used to interact with Nyon Server. It responses the result in xml architecture.

1.1 Document Purpose

This API manual explains you how to call and interact with Nyon. The usage of Nyon Server is illustrated in Nyon User Manual.

1.2 Intended Audience

This API Manual is intended for users who want to interact Nyon Server. The methods with specific parameters will invoke the nyon server job scheduling methods, joblisting and cancel job. The user should have prerequisite basic knowledge of computer programming, Rest Client method calling.

1.3 References and Other Related Documents

The following documents provide additional useful information about Automature's other products, and how they relate to Nyon.

1. Nyon User Guide.

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2 Dependencies

Before running Nyon on a computer, it has to meet some basic requirements:

Operating System – Microsoft Windows XP or higher

Software – [Java\(TM\) SE Runtime Environment 1.6](#)

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3 Nyon Interfaces

The following are the services exposed with which user can interact with Nyon Server.

3.1 help

shows Nyon server help in xml tag architecture.

- **Summary**

URL:http://www.example.com/help

Formats: Xml

HTTP Method(s): POST/GET

- URL Parameters

none

- **Response**

XML Example

```
<help>
```

```
    Nyon - Version - 2.0.20130127.012
```

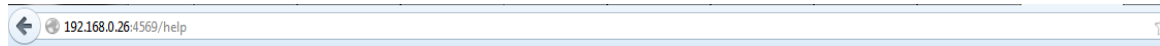
```
Usage :: nyon.bat [<option>] -port=<optional>
```

```
Arguments should have options like: ..... etc.
```

```
    </help>
```

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- **Html Response:**



Nyon - Version - 2.1.20130305.06

Usage :: nyon.bat [

] -port=

Arguments should have options like:

-help: shows the help file.

-start: starts the server.

-port= must be provided with -start switch.

By default the port is 4569.

In NyonServerINI.xml, located in the installation directory of Nyon Server

* Please provide the file location inside the tag.

This path must be a fully qualified path. This path is for Nyon server Logs.

* Please provide the download location inside the tag.

The testsuits that Nyon will execute are downloaded from the Zermatt Server in that directory.

This path must also be a fully qualified path.

If the above two locations are not specified by the user, then the default log file location and download location will be inside the APPDATA\Nyon Server Logs.

3.2 version

shows the versions of Nyon, Zug and Davos in xml architecture.

- **Summary**

URL: http://www.example.com/version

Formats: Xml

HTTP Method(s): POST/GET

- URL Parameters

none

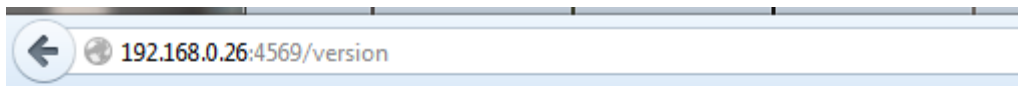
- **Response**

XML Example

```
<versions>
<nyonversion>Automature Nyon Version 2.0.20130122.012</nyonversion>
<zugversion>Automature-ZUG 5.6</zugversion>
<davosversion>
DAVOS Premium 5.5.20121221.03.SP2
</davosversion>
</versions>
```

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- **Html Response:**



Versions:

- Nyon Version: Automature Nyon Version 2.1.20130304.06
- Zug Version: Automature-ZUG 6.0
- Davos Version: DAVOS Premium 6.0.20130214.02

3.3 zug

create or set job to execute zug with testcycleid.

- **Summary**

URL: <http://www.example.com/zug>

Formats: Xml

HTTP Method(s): POST

- **Request**

HTTP POST Request Example

testcycle_id=434

or

testcycke_id=434&reporting=off. (This will allow nyon to execute Zug in non reporting mode).

- **Response**

XML Example

```
<response>
```

```
<nyonversion>Automature Nyon Version 2.0.20130122.012</nyonversion>
```

```
<zugversion>Automature-ZUG 5.6</zugversion>
```

```
<jobid>115476</jobid>
```

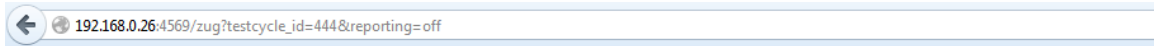
```
</response>
```


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OR

```
<response>
  <zugserviceerror> message </zugserviceerror>
</response>
```

- **Html Response:**



Nyon Version: Automature Nyon Version 2.1.20130304.06

Zug Version: Automature-ZUG 6.0

Job Submitted:

- Job ID: 13739681
- TestCycle ID: 444
- TestCycle ID: 2013/03/05 13:20:06

[Cancel Currently Submitted Job](#) [Details of Currently Submitted Job](#) [Details of Currently Submitted Job with Log](#)

3.4 list

Shows the list of jobs running.

- **Summary**

URL: <http://www.example.com/list>

Formats: Xml

HTTP Method(s): POST/GET

- **Request**

HTTP POST Request Example

job_id=111457 OR job_id=111457&fetchlog=on

HTTP GET Request Example

?job_id=111457 OR ?job_id=111457&fetchlog=on

- **Response**

XML Example

for no request body:

```
<jobs><job><status>waiting</status><job-id>111457</job-id></job>
</jobs>
<jobs><job><status>running</status><job-id>111467</job-id></job>
</jobs>
<jobs><job><status>completed</status><job-id>111447</job-id></job>
</jobs>
```

for POST/GET request with job_id only request body:

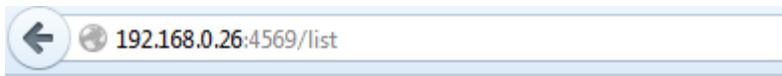
```
<job><job-id>111457</job-
id><position>3</position><status>waiting</status></job>
```

for POST/GET request with job_id and fetchlog request body:

```
<job><job-id>111457</job-
id><position>3</position><status>waiting</status><log>log content
</log></job>
```

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- **Html Response:**
for no request body:



All Jobs:

Scheduled Jobs

- TestCycle ID: 444
- Submission Time: 2013/03/05 15:40:14
- Status: Waiting
- Job ID:853006157

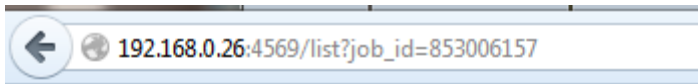
Active Jobs

- TestCycle ID: 444
- Submission Time: 2013/03/05 15:39:50
- Status: Running
- Job ID:1507433387

- TestCycle ID: 444
- Submission Time: 2013/03/05 15:40:05
- Status: Running
- Job ID:80799790

Completed Jobs

for POST/GET request with job_id only request body:



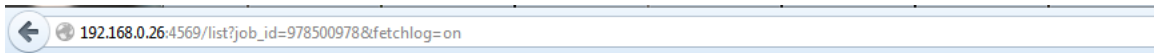
Scheduled Jobs

Active Jobs

- Job Id: 853006157
- TestCycle Id: 444
- Submission Time: 2013/03/05 15:40:14
- Job Status: running

Completed Jobs

for POST/GET request with job_id and fetchlog request body:



Scheduled Jobs

Active Jobs

- Job Id: 978500978
- TestCycle Id: 444
- Submission Time: 2013/03/05 18:50:23
- Job Status: running
- Log Content: 06:50:41 [main] INFO com.automature.zug.util.Log - [Warning] ZugINI.xml contains blank inprocess package de
06:50:42 [main] INFO com.automature.zug.util.Log -

Command Line Arguments Validated

06:50:43 [main] INFO com.automature.zug.util.Log - Zug is Valid Automature LLC. This Generic License is issued to Automa
06:50:43 [main] INFO com.automature.zug.util.Log - Reading the TestCases Input Sheet C:\Documents and Settings\Administr

06:50:44 [main] INFO com.automature.zug.util.Log - Excel/ReadExcel: Excel file : C:\Documents and Settings\Administrator\w
06:50:44 [main] INFO com.automature.zug.util.Log - SUCCESSFULLY Read the TestCases Input Sheet C:\Documents and Se
06:50:44 [main] INFO com.automature.zug.util.Log -

06:50:44 [main] INFO com.automature.zug.util.Log -
Total time taken to initialize the Harness is -> 812 milli Seconds.
06:50:44 [main] INFO com.automature.zug.util.Log -

3.5 cancel

Cancels a job with id provided as requestbody or in Url parameters

- **Summary**

URL:http://www.example.com/cancel

Formats: Xml

HTTP Method(s): POST/GET

- **Request**

HTTP POST Request Example

```
job_id=111457
```

- **Response**

XML Example

```
<job>
```

```
<job-id>111457</job-id>
```

```
<deleted>successfully</deleted>
```

```
</job>
```

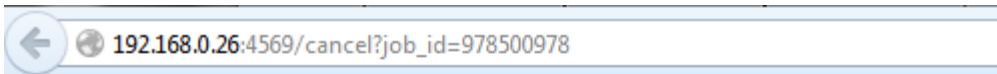
OR

```
<job>
```

```
<error> error message </error>
```

```
</job>
```

- **Html Response:**



Job Canceled

Job Id: 978500978

Status: successfully removed from Active Job Queue.

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3.6 flush

clears the specific job list if state is provided. If no state provided then clears all the job lists.

- **Summary**

URL:http://www.example.com/flush

Formats: Xml

HTTP Method(s): POST/GET

- **Request**

HTTP POST/GET Request Example

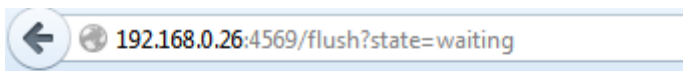
state=running or state=waiting or state=completed

- **Response**

XML Example

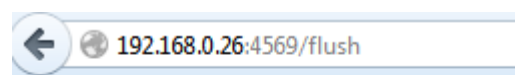
```
<success>true</success>
```

- **Html Response:**



Scheduled Job Queue is cleared

or



All Job Queues are cleared