

NYON INSTALL GUIDE	Pages (1/18)	
Author : Chayan Hazra	NYON 2.1	Date :10-04-2013

Nyon Install Guide

Whilst all reasonable care has been taken to ensure that the details are true and not misleading at the time of publication, no liability whatsoever is assumed by Automature LLC, or any supplier of Automature LLC, with respect to the accuracy or any use of the information provided herein.

Any license, delivery and support of software require entering into separate agreements with Automature LLC.

This document may contain confidential information and may not be modified or reproduced, in whole or in part, or transmitted in any form to any third party, without the written approval from Automature LLC.

Copyright © 2012 Automature LLC

All rights reserved.

NYON INSTALL GUIDE	Pages (2/18)	
Author : Chayan Hazra	NYON 2.1	Date :10-04-2013

Revision History

Ver.	Date	Name	Description of Changes
1.0	17/09/2012	Dipayan Sengupta	First Edition
2.1	10/04/13	Chayan Hazra	Second Edition

NYON INSTALL GUIDE	Pages (3/18)
Author : Chayan Hazra	NYON 2.1
	Date :10-04-2013

Contents

- [1 Introduction.....4](#)
 - [1.1 Document Purpose.....4](#)
 - [1.2 Intended Audience.....4](#)
 - [1.3 References and Other Related Documents.....4](#)
- [2 Dependencies.....5](#)
 - [2.1 Dependencies for Nyon Server:.....5](#)
- [3 Nyon Server Installation and Execution.....6](#)
 - [3.1 Nyon installer download.....6](#)
 - [3.2 Initialization of installation.....6](#)
 - [3.3 Completion of installation.....8](#)
 - [3.4 Architectural Workflow.....9](#)
 - [3.5 Executing a Test plan from Zermatt.....10](#)
 - [3.5.1 Uploading a test suite.....11](#)
 - [3.5.2 Mapping testsuites and topologysets.....11](#)
 - [3.5.3 Test Plan Execution.....12](#)
- [4 Nyon Client Installation and Execution.....14](#)
 - [4.1 Nyon installer download.....14](#)
 - [4.2 Initialization of installation.....14](#)
 - [4.3 Completion of installation.....15](#)
 - [4.4 Architectural Workflow.....16](#)
 - [4.5 Executing a Test plan by Nyon Client.....16](#)
 - [4.5.1 Downloading a Test plan16](#)
 - [4.5.2 Executing a test plan.....17](#)
 - [4.5.3 Editing Davos Configuration.....17](#)

NYON INSTALL GUIDE	Pages (4/18)
Author : Chayan Hazra	NYON 2.1
	Date :10-04-2013

1 Introduction

Nyon is Automature's automated application and test deployment software. It leverages planning data that already exists in Automature's Planning and reporting tool Zermatt, and is able to copy, install, configure and execute applications that need to be tested. NYON works best in an environment where test cycles are typically run after each nightly build on multiple machine environments. By allowing kits and tests to be deployed and executed automatically, and concurrently, NYON helps with speeding up detection of obscure environment specific anomalies, and helps dramatically increase platform coverage effectiveness for regression testing.

1.1 Document Purpose

This document walks you step-by-step through installation of Nyon Server as well as Client. To get further information refer [NYON Forum](#) and the Help.txt that can be found in the installation directory.

1.2 Intended Audience

This Manual is intended for people who would be executing testsuites or testcases from Zermatt or execute test plans. It also assumes a good understanding of the development and target platform environments.

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. Zermatt User Manual
2. Chur Programmer's Guide

NYON INSTALL GUIDE	Pages (5/18)
Author : Chayan Hazra	NYON 2.1
	Date :10-04-2013

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](#)

2.1 Dependencies for Nyon Server:

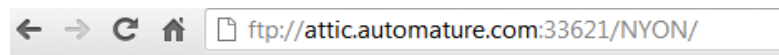
To run Nyon Server, the following Automature Products are needed to installed in the machine:

- Zug (5.2 or higher)
- Zuoz (4.7 or higher)
- Zermatt (3.0 or higher)
- Davos (6.0 or higher)

3 Nyon Server Installation and Execution

3.1 Nyon installer download

Download the Setup of the latest Nyon package from the Automature [FTP](#) site. Please contact sales@automature.com to the log in credentials to the FTP.

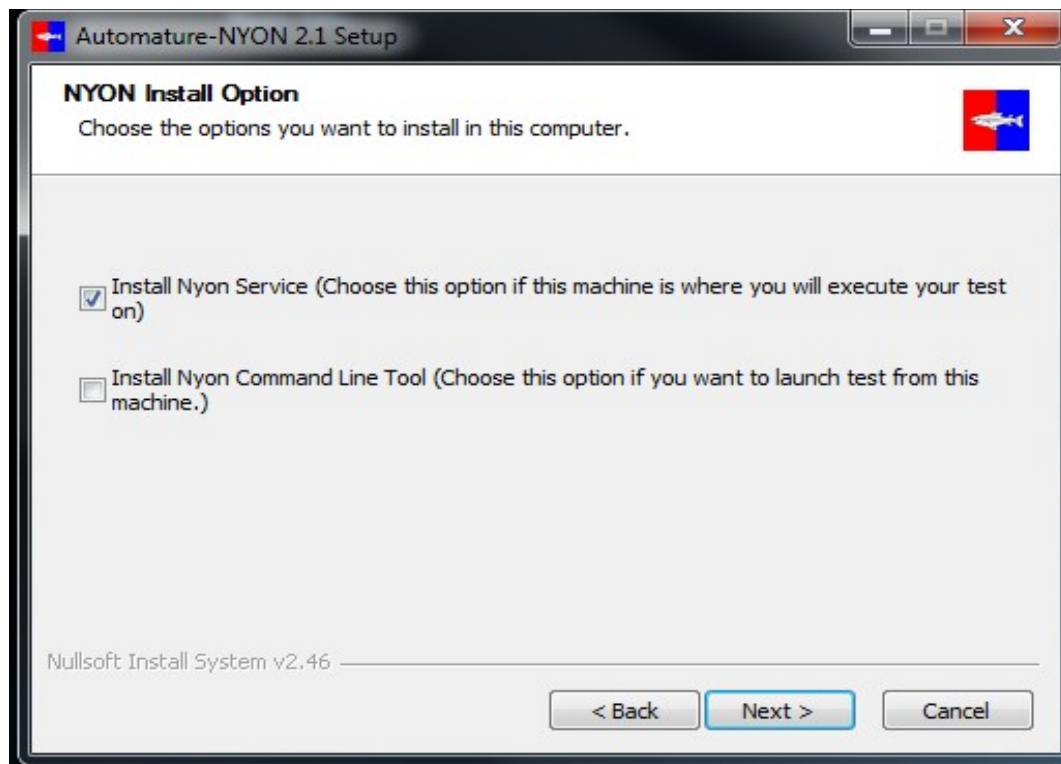


Index of /NYON/

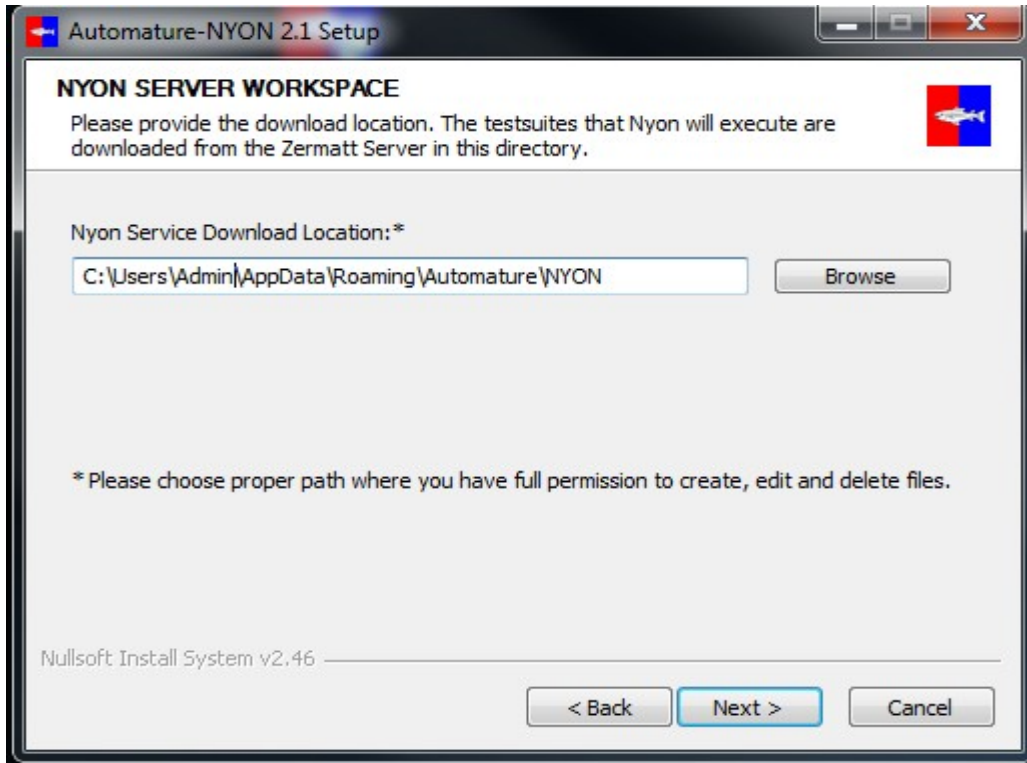
Name	Size	Date Modified
[parent directory]		
Nyon-Setup-1.1.exe	4.2 MB	9/18/12 6:31:00 AM
previous versions/		9/18/12 6:29:00 AM

3.2 Initialization of installation

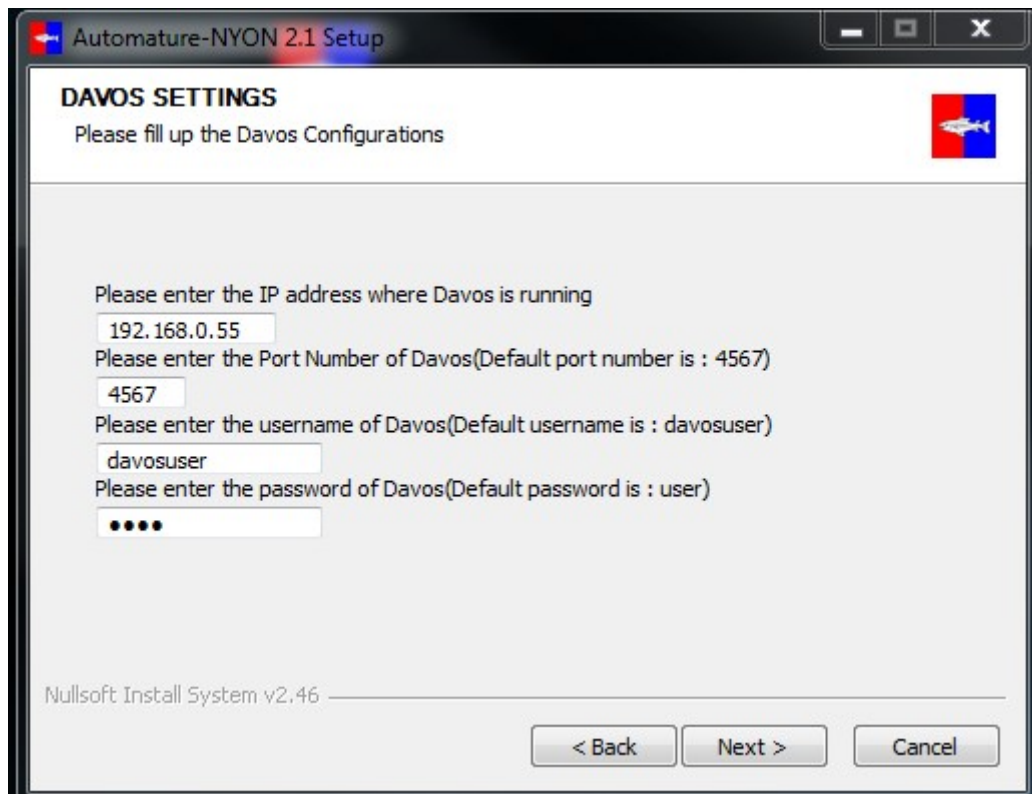
Nyon is a self-executable kit. Please choose Nyon Server to install Nyon as a service in your machine



Choose a download location in your machine. Nyon will download its test suites in this location

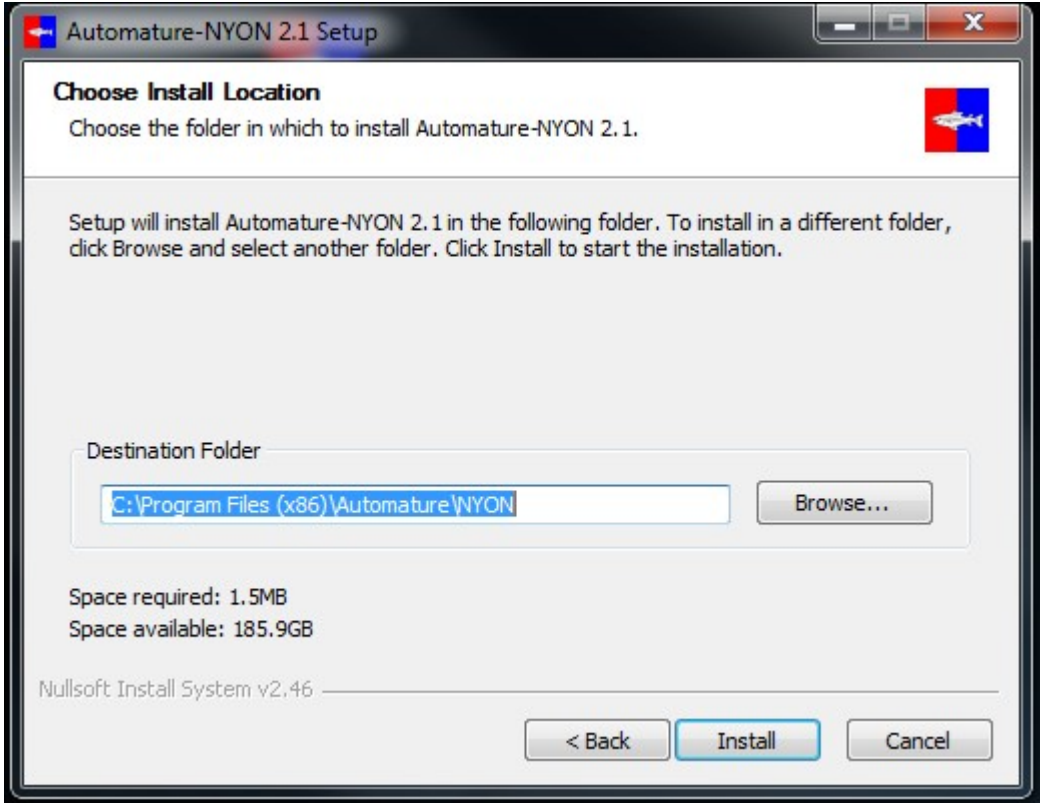


Please provide the credentials for Davos Configurations:



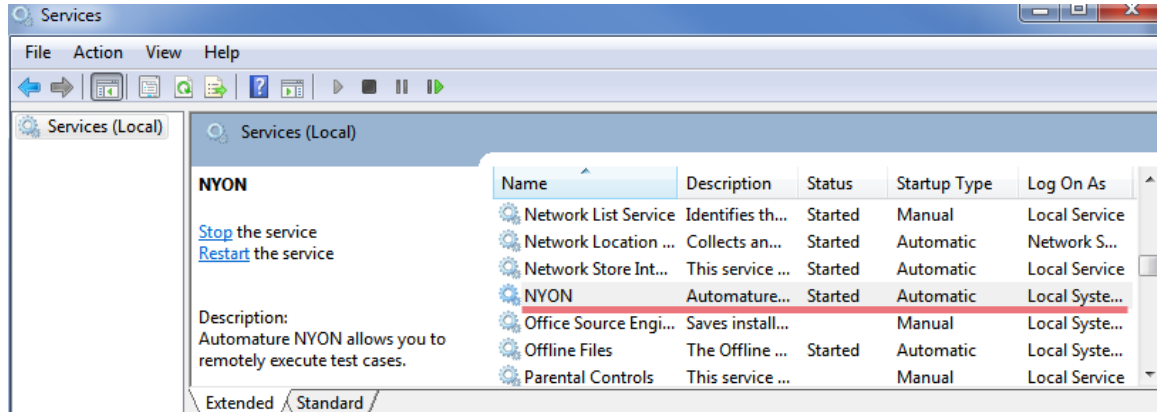
NYON INSTALL GUIDE	Pages (8/18)	
Author : Chayan Hazra	NYON 2.1	Date :10-04-2013

Please select the installation directory



3.3 Completion of installation

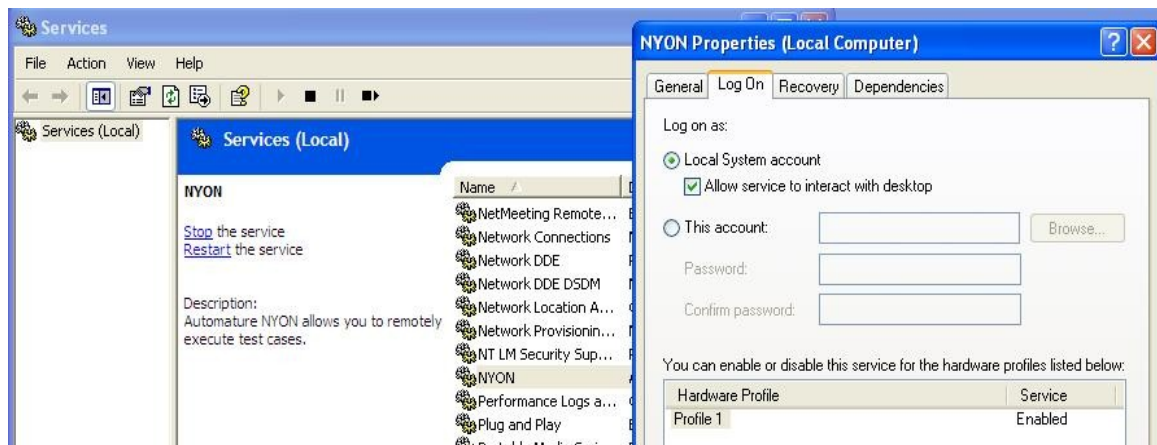
To verify that Nyon Server was installed properly, it should be listed as a Service.



Then right click on the NYON service and move to **LogOn** tab. This will show that Nyon is running under **Local System account** and **Allow Service to interact with desktop** is checked.

If the service is not started then click on the start link.

Any time NyonServerINI.xml file is modified, NYON service must be restarted.

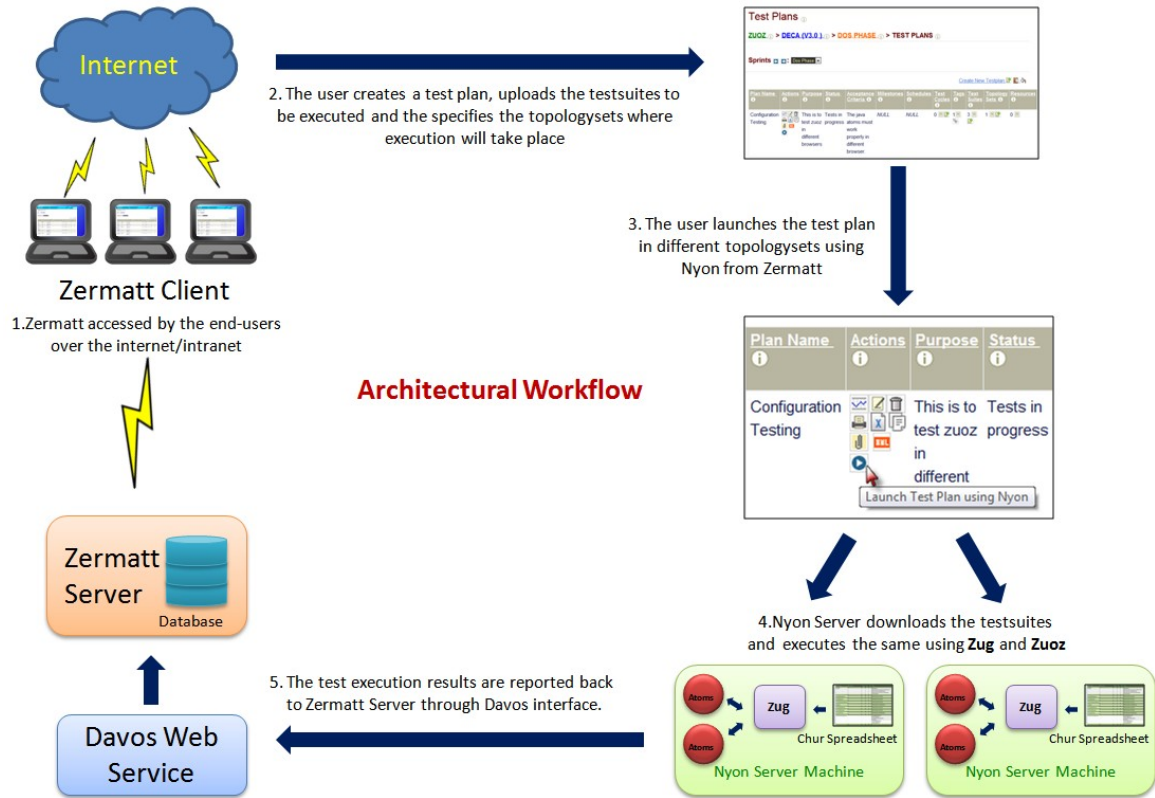


If you want to run this service from any other account then select **This account** and browse the user and insert user password.

NOTE: Running Nyon from any other user account will not allow you to automate any browser related testsuites.

Please Note: Zug and Zuoz must also be installed in the same machine as well where Nyon Server is installed.

3.4 Architectural Workflow



3.5 Executing a Test plan from Zermatt

The following is a snapshot of the Test Plan page in Zermatt:

Test Plans for ZUOZ

ZUOZ > TEST PLANS

Products: ZUOZ

Create New Testplan

Plan Name	Actions	Purpose	Status	Acceptance Criteria	Milestones	Schedules	Test Cycles	Tags	Test Suites	Topology Sets	Resources
Regression Test	[Icons]	Testing all the features of zuoz test suites	Active	Sprint Default	Sprint Default	Sprint Default	40	0	7	1	0
Zuoz-5.4 For jenkins	[Icons]		Active	Sprint Default	Sprint Default	Sprint Default	20	0	8	1	0
Zuoz-6.0 For jenkins	[Icons]		Active	Sprint Default	Sprint Default	Sprint Default	2	0	7	1	0

Each test plan **must** be mapped to at least one test suite and one topology set.

3.5.1 Uploading a test suite

The test suites must be listed in the TestSuites Page under a given Product. The user must upload the test suite spreadsheet which contains all the test cases to execute.

Test Suites for Zuoz ⓘ

Zuoz ⓘ > **Test Suites**

Products [↔] [➔]: **Zuoz** [▼]

Suite Name ⓘ	Action(s) ⓘ	Role ⓘ
Zstring		Zug-Client

- 1 Click on the link Attach testsuite artifacts.
Upload the xls file.
- 2 Once the test suite is uploaded, you can view the testsuite using this icon

The user must specify the following in the Config sheet of the spreadsheet before uploading in Zermatt:

- Credentials for database connectivity
- Credentials for Davos connectivity
- Test suite Role which must match with the one you have stated in the TestSuites Page as well.

For more detailed information please refer to Chur Programmer's Guide

3.5.2 Mapping testsuites and topologysets

After uploading the testsuites in the TestSuites Page, the user must map the testsuites as well as test cases to execute from the TestPlan Page**.

The following snapshot shows mapping of testsuites to a particular test plan.

Test Plans ⓘ

ZUOZ ⓘ > **DECA (V3.0)** ⓘ > **DOS PHASE** ⓘ > **TEST PLANS** ⓘ

Sprints [↔] [➔]: **Dos Phase** [▼]

Plan Name ⓘ	Actions ⓘ	Purpose ⓘ
Configuration Testing		This is to test zuoz in different browsers

InsertTestSuiteListGUI < DEV_ZERMATT < TWiki - Google Chrome

attic.automature.com/twiki/bin/view/DEV_ZERMATT/InsertTestSuiteListGUI?skin=plain8

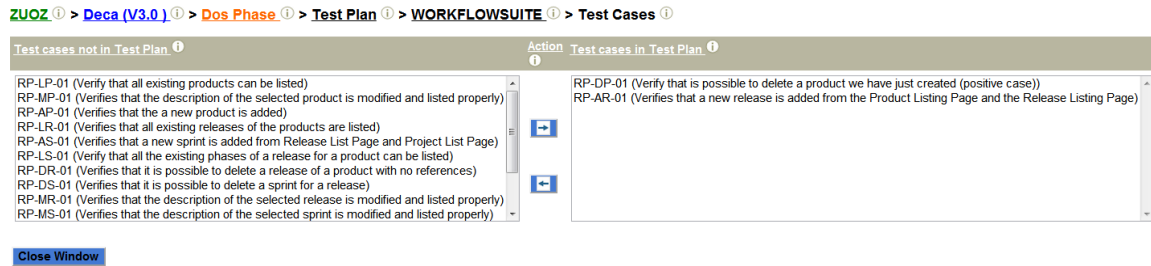
ZUOZ ⓘ > **Deca (V3.0)** ⓘ > **Dos Phase** ⓘ > **Configuration Testing** ⓘ > **Add or remove Test Suites (TP813)** ⓘ

Test Suites not in Plan. ⓘ	Action ⓘ	Test Suite in Plan. ⓘ
Select Suites to Add WEBFORM Zstring testingZXML	[➔] [↔]	Select Suites to Remove WORKFLOWSUITE Performance Suite zuozsuite

Close Window

Test Cycles ⓘ	Tags ⓘ	Test Suites ⓘ
0	1	3

The following snapshots shows mapping of test cases in a testsuite which will be executed in that test plan.

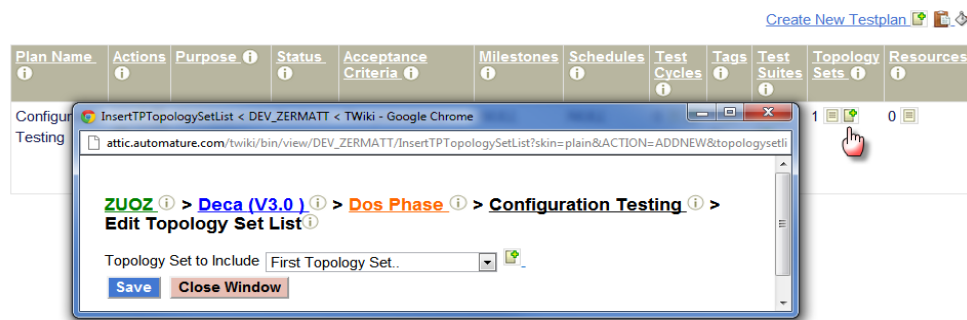


After mapping of testsuites, the user needs to map the topologysets as well**. The topologysset must contain at least one topology with the role specified in the Chur sheet.

Test Plans


ZUOZ > DECA (V3.0) > DOS PHASE > TEST PLANS

Sprints + + : Dos Phase




**For more detailed information please refer to Zermatt User Manual .

3.5.3 Test Plan Execution

To execute the test plan, Click on the  icon under the Action Column in the Test Cycle page. The test suites will be automatically executed in the said topologysets and the execution records will be reflected in the latest test cycle automatically created by Zug.

Multiple windows will pop up (equal to the number of topologies where execution will take place) where the output of the test cases executed is shown.

Click on the icon  under the Test Cycles column to navigate to the Test Execution Details page.

Test Plan Summary

Total Test Cycles	2
Total Test Cases Executed	248
Total Test Cases Passed	200
Total Test Cases Failed	48

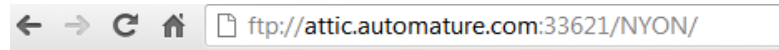
[Create New Test Cycle](#)

ID	Cycle Description	Actions	Started	Completed	Sprint	Build	ms to Initialize	ms to Complete	Topologysets	Failure Percentage	Execution Details
647	TC-2013-04-09T15:35:58-04:00		2013-04-09 15:42:53	2013-04-10 06:37:05	SPRINT1	6.0.2013-04-10_00-44-42.24 6.0.2013-04-10_00-44-42.24	100588	53652000	1		Windows 7 For jenkins (Total: 126 Failed: 24 Passed: 102)
644	TC-2013-04-09T06:13:53-04:00		2013-04-09 06:20:48	2013-04-09 08:39:42	SPRINT1	6.0.2013-04-09_15-14-46.23 6.0.2013-04-09_15-14-46.23	53354	8334000	1		Windows 7 For jenkins (Total: 122 Failed: 24 Passed: 98)

4 Nyon Client Installation and Execution

4.1 Nyon installer download

Download the Setup of the latest Nyon package from the Automature [FTP](#) site. Please contact sales@automature.com to the log in credentials to the FTP.

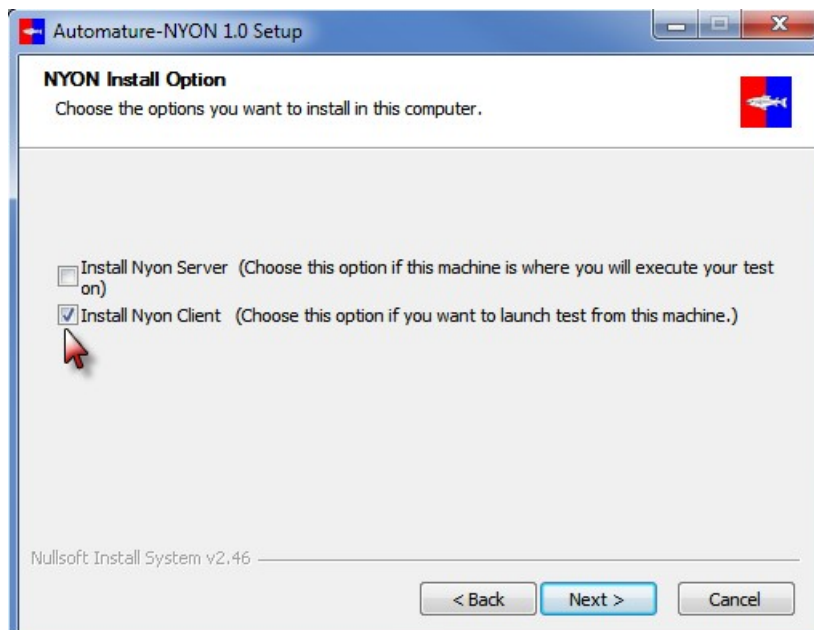


Index of /NYON/

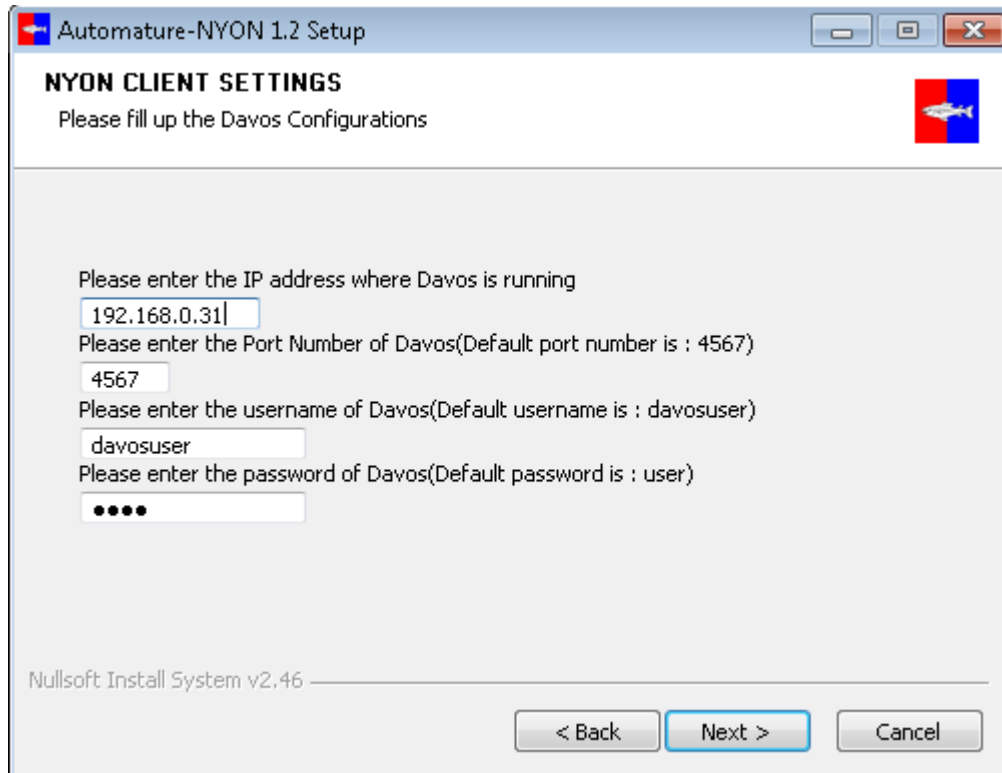
Name	Size	Date Modified
[parent directory]		
Nyon-Setup-1.1.exe	4.2 MB	9/18/12 6:31:00 AM
previous versions/		9/18/12 6:29:00 AM

4.2 Initialization of installation

Nyon is a self-executable kit. Please choose Nyon Client and provide the location for installation.



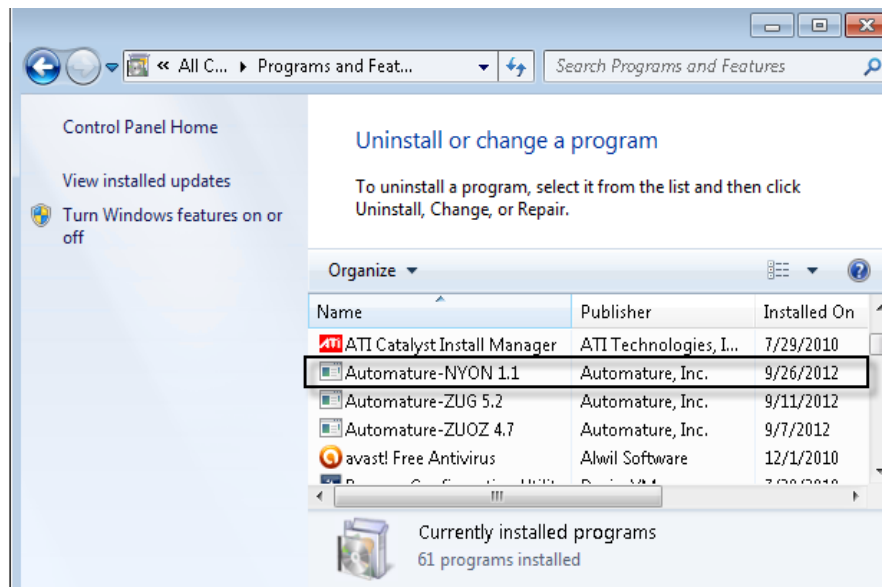
Please provide the credentials for Davos Configurations:



If you have any problem with the installation kindly contact us at support@automature.com.

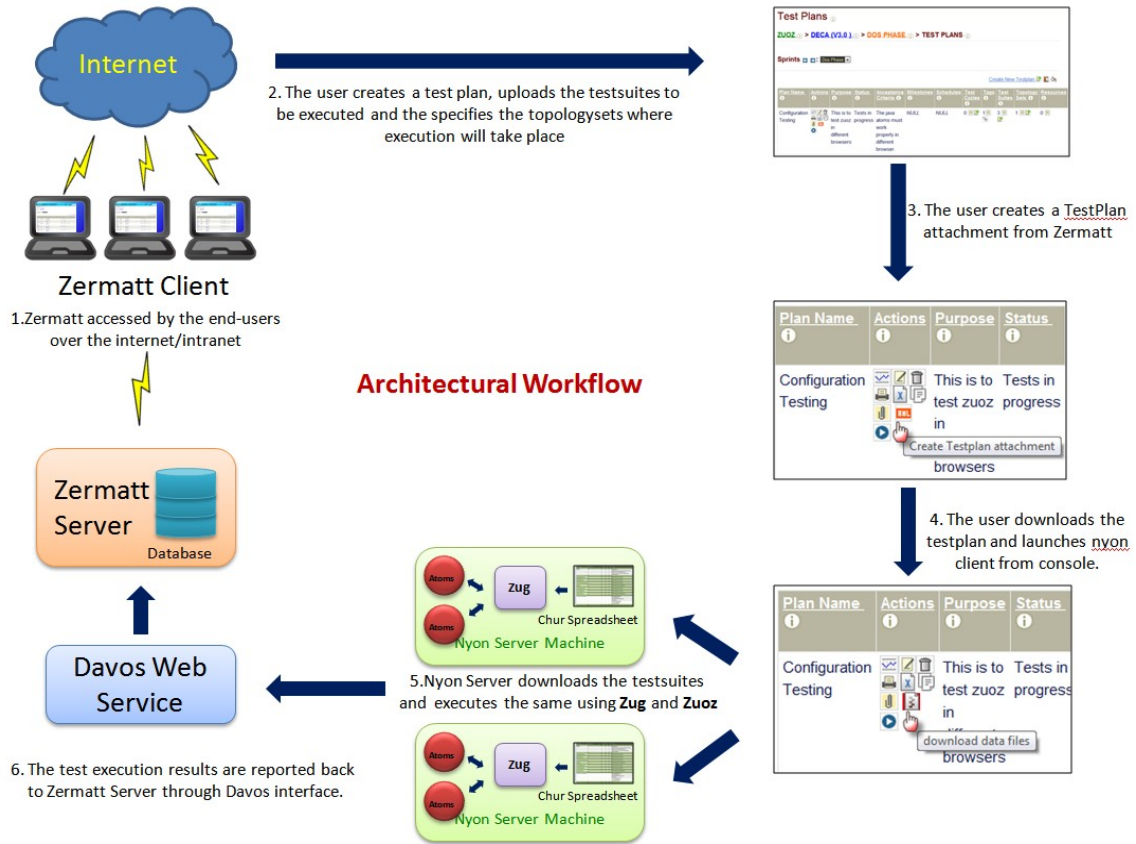
4.3 Completion of installation

To verify that Nyon Client was installed properly and also running, it should be listed



Please Note: Zug and Zuoz must also be installed in the same machine as well where Nyon Server is installed.

4.4 Architectural Workflow

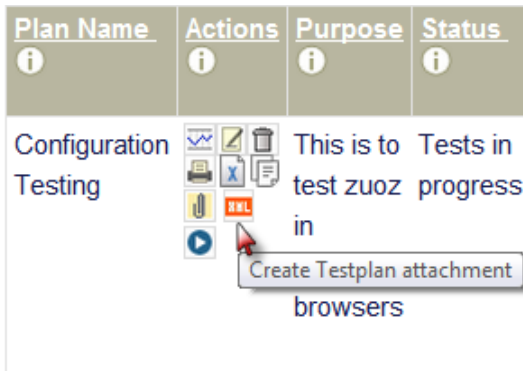


4.5 Executing a Test plan by Nyon Client

Please follow chapters 3.5.1 and 3.5.2 to upload test plan to map testsuites and topologiesets.

4.5.1 Downloading a Test plan

Once the testsuites and topologiesets are mapped to a test plan, click on the following link 



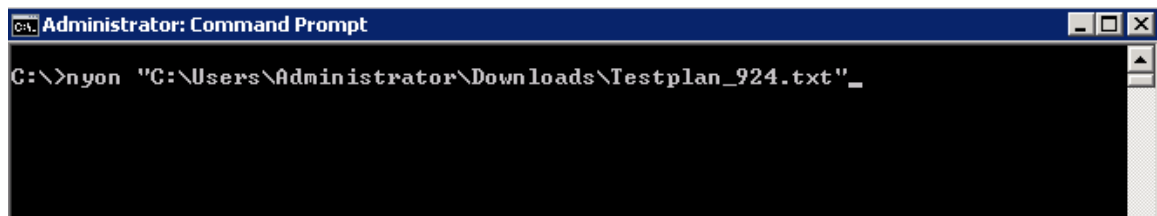
The icon automatically changes to  and then download the test plan.

Plan Name	Actions	Purpose	Status
Configuration Testing		This is to test zuoz in	Tests in progress

Example of a downloaded test plan is **Testplan_924.txt**.

4.5.2 Executing a test plan

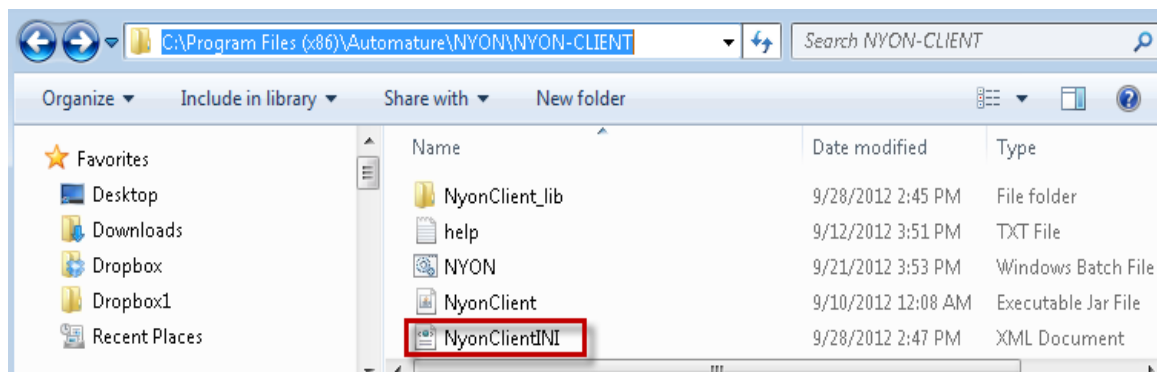
Open the command prompt and type the following:



Nyon will automatically launch the test plan in the topologysets specified.

4.5.3 Editing Davos Configuration

To edit or make changes in the Davos configuration, navigate to Nyon-Client folder in the Nyon Installation Directory. Edit the NyonClientINI.xml file.



The following is a example of the xml file.

NYON INSTALL GUIDE	Pages (18/18)	
Author : Chayan Hazra	NYON 2.1	Date :10-04-2013

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<root>
  <configurations>
    <davosconfiguration>
      <hostname>192.168.0.31</hostname>
      <port>4567</port>
      <username>davosuser</username>
      <password>user</password>
    </davosconfiguration>
  </configurations>
</root>
```