

NYON INSTALL GUIDE		Pages (1/15)
Author : Dipayan Sengupta	NYON 1.1	Date :17-09-2012

Nyon Install Guide

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Revision History

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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

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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](#)

2.1 Dependencies for Nyon Server:

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

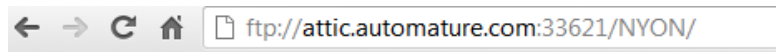
- Zug (5.2 or higher)
- Zuoz (4.7 or higher)
- Zermatt (3.0 or higher)

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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.

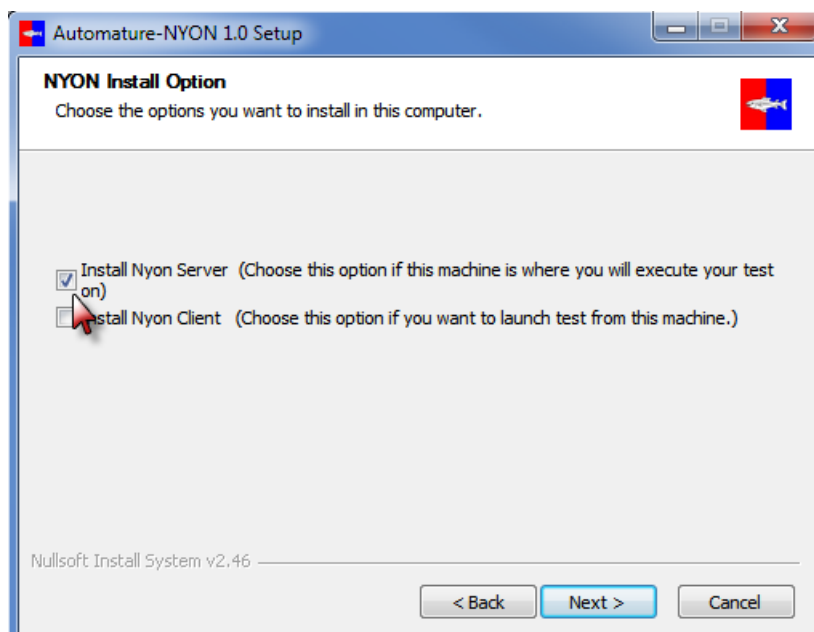


Index of /NYON/

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

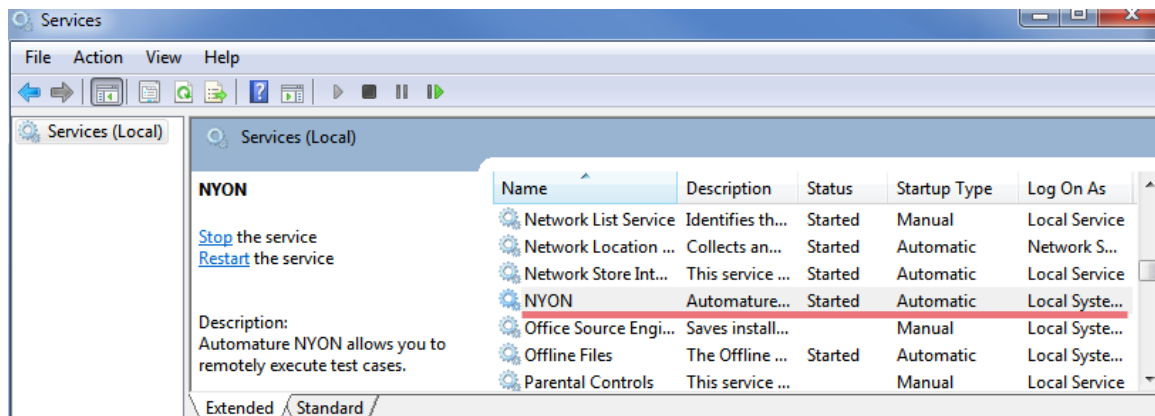
3.2 Initialization of installation

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



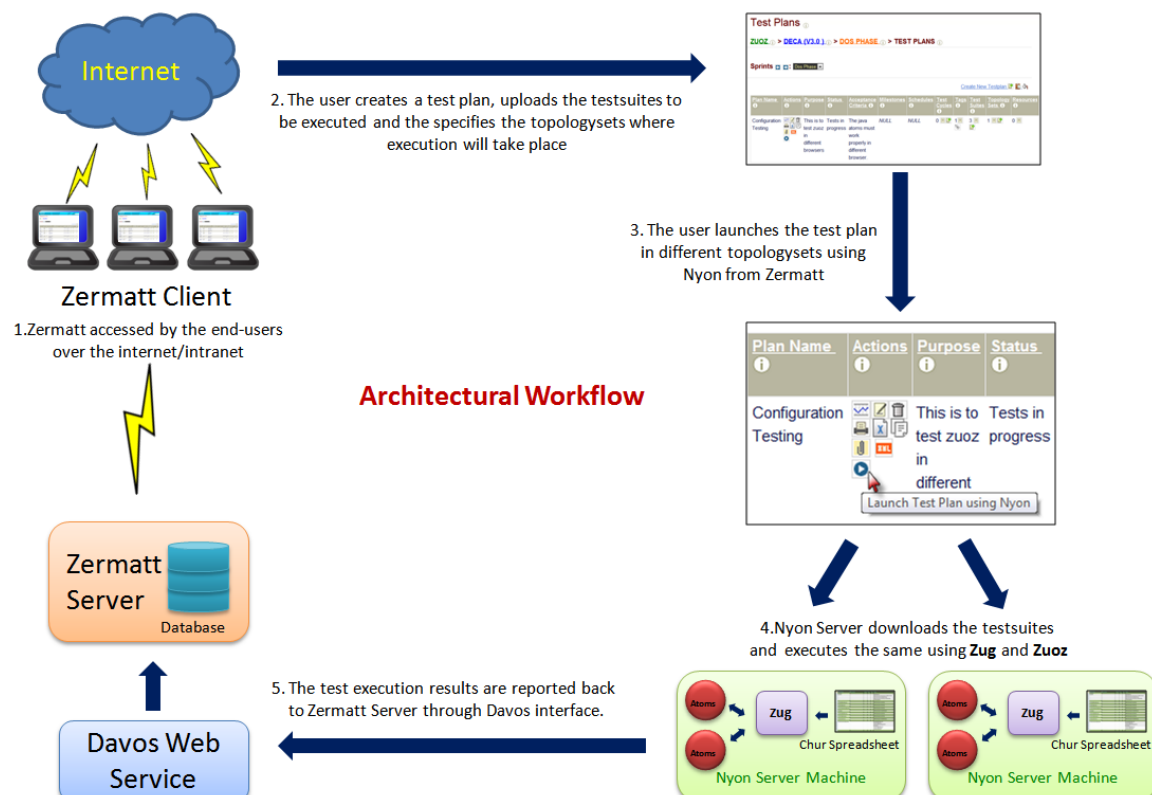
3.3 Completion of installation

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



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

3.4 Architectural Workflow



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- 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

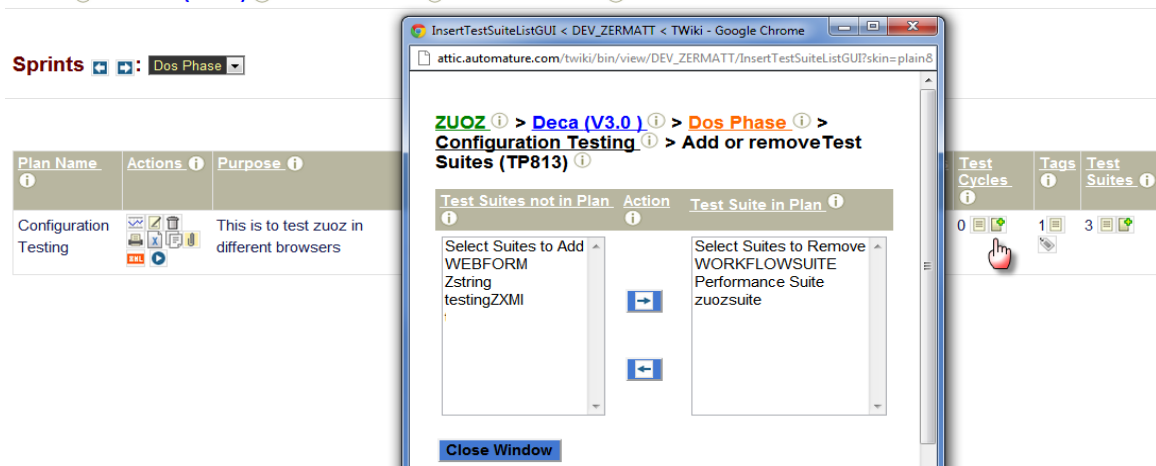
3.5.2 Mapping testcases and topologysets

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

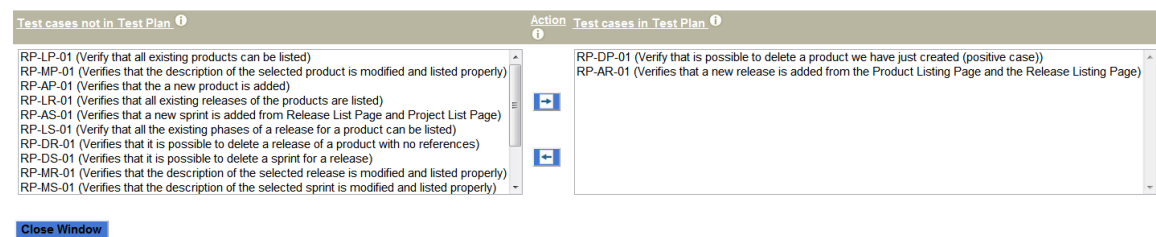
[ZUOZ](#)  > [Deca \(V3.0\)](#)  > [DOS PHASE](#)  > [TEST PLANS](#) 



The screenshot shows a web browser window titled "InsertTestSuiteListGUI < DEV_ZERMATT < TWiki - Google Chrome". The address bar shows "attic.automature.com/twiki/bin/view/DEV_ZERMATT/InsertTestSuiteListGUI?skin=plain8". The breadcrumb navigation is "ZUOZ > Deca (V3.0) > Dos Phase > TEST PLANS". Below the breadcrumb, there is a "Sprints" section with a dropdown menu set to "Dos Phase". The main content area has a table with columns "Plan Name", "Actions", and "Purpose". The "Plan Name" column has a value "Configuration Testing". The "Actions" column has icons for adding, deleting, and refreshing. The "Purpose" column has the text "This is to test zuoz in different browsers". Below this table, there is a modal window titled "Configuration Testing > Add or remove Test Suites (TP813)". This modal window has two panes: "Test Suites not in Plan" and "Test Suite in Plan". The "Test Suites not in Plan" pane lists "WEBFORM", "Zstring", and "testingZXML". The "Test Suite in Plan" pane lists "WORKFLOWSUITE", "Performance Suite", and "zuozsuite". There are arrows between the panes to move items. A "Close Window" button is at the bottom of the modal.

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

[ZUOZ](#)  > [Deca \(V3.0\)](#)  > [Dos Phase](#)  > [Test Plan](#)  > [WORKFLOWSUITE](#)  > [Test Cases](#) 



The screenshot shows a web browser window titled "Test cases in Test Plan". The breadcrumb navigation is "ZUOZ > Deca (V3.0) > Dos Phase > Test Plan > WORKFLOWSUITE > Test Cases". Below the breadcrumb, there is a table with columns "Test cases not in Test Plan", "Action", and "Test cases in Test Plan". The "Test cases not in Test Plan" column lists several test cases with their descriptions. The "Test cases in Test Plan" column lists "RP-DP-01 (Verify that is possible to delete a product we have just created (positive case))" and "RP-AR-01 (Verifies that a new release is added from the Product Listing Page and the Release Listing Page)". There are arrows between the panes to move items. A "Close Window" button is at the bottom of the modal.

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.

















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Test Plans

[ZUOZ](#)  > [DECA \(V3.0\)](#)  > [DOS PHASE](#)  > [TEST PLANS](#) 






Sprints   : [Dos Phase](#) 


[Create New Testplan](#)  

Plan Name 	Actions 	Purpose 	Status 	Acceptance Criteria 	Milestones 	Schedules 	Test Cycles 	Tags 	Test Suites 	Topology Sets 	Resources 
Configur Testing										1  	0  

InsertTPTopologySetList < DEV_ZERMATT < TWiki - Google Chrome

attic.automature.com/twiki/bin/view/DEV_ZERMATT/InsertTPTopologySetList?skin=plain&ACTION=ADDNEW&topologysetli


[ZUOZ](#)  > [Deca \(V3.0\)](#)  > [Dos Phase](#)  > [Configuration Testing](#)  > [Edit Topology Set List](#) 

Topology Set to Include: 


[Save](#) [Close Window](#)

***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 plan 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 Cycles page.

Test Plan Summary

Total Test Cycles	10
Total Test Cases Executed	18
Total Test Cases Passed	13
Total Test Cases Failed	5

[Create New Test Cycle](#) 

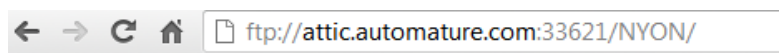
ID 	Cycle Description 	Actions 	Started 	Completed 	Builds 	ms to Initialize 	ms to Complete 	Topologysets 	Failure Percentage 	Execution Details 
715	TCycle-2012-10-01 14:08:39	  	2012-10-01 14:08:39	2012-10-01 19:41:52		19360	19993681	1  	<div><div></div></div>	Nyon Set 3 (Total: 4 Failed: 1 Passed: 3) 
714	TCycle-2012-10-01 13:56:37	  	2012-10-01 13:56:37	2012-10-01 19:29:51		19406	19994242	1  	<div><div></div></div>	Nyon Set 3 (Total: 4 Failed: 1 Passed: 3) 
713	TCycle-2012-10-01 13:47:09	  	2012-10-01 13:47:09	2012-10-01 19:18:44		29828	19895011	1  	<div><div></div></div>	Nyon Set 3 (Total: 2 Failed: 1 Passed: 1) 

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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.

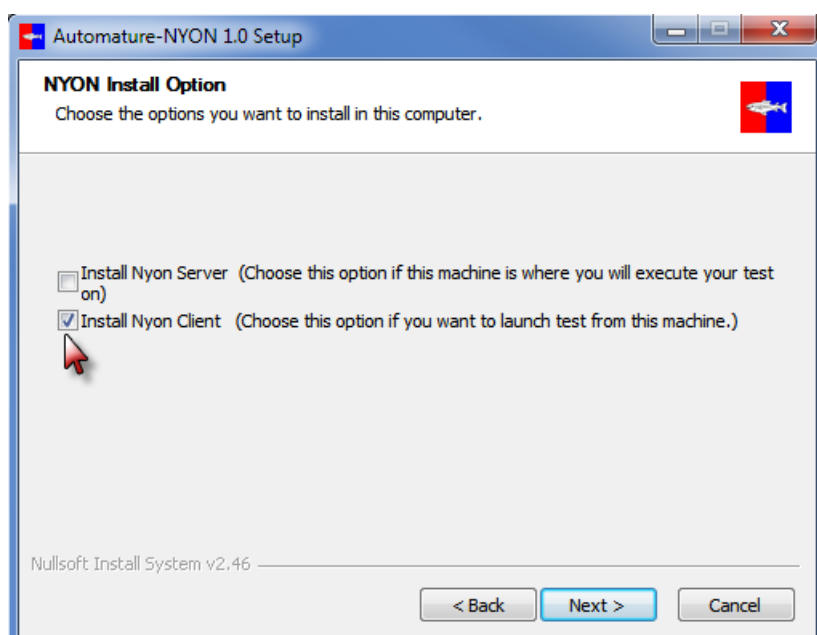


Index of /NYON/

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:



Automature-NYON 1.2 Setup

NYON CLIENT SETTINGS
Please fill up the Davos Configurations

Please enter the IP address where Davos is running

Please enter the Port Number of Davos(Default port number is : 4567)

Please enter the username of Davos(Default username is : davosuser)

Please enter the password of Davos(Default password is : user)

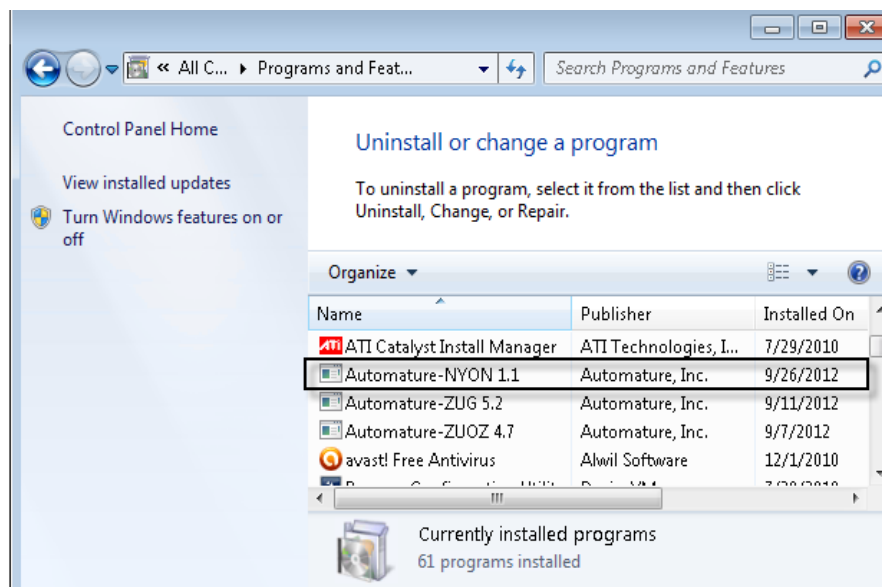
Nullsoft Install System v2.46

< Back Next > Cancel

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

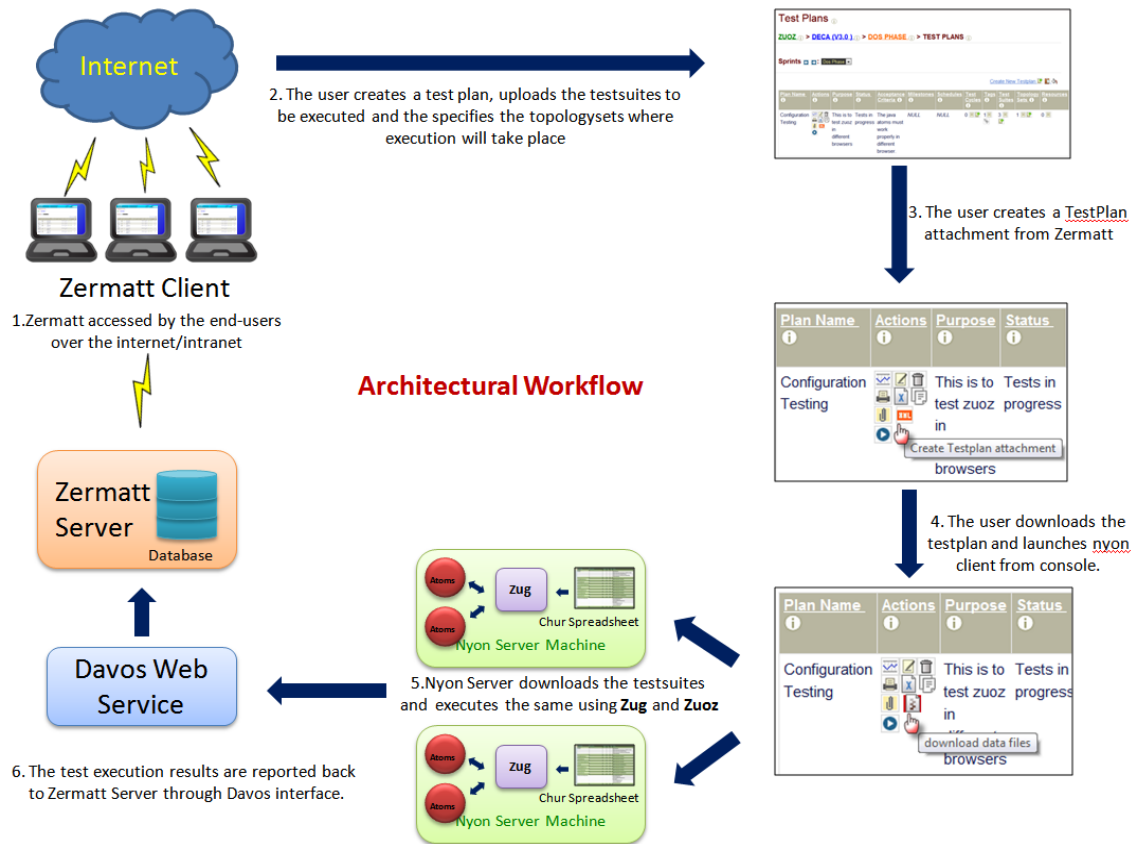
4.3 Completion of installation

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 

Plan Name	Actions	Purpose	Status
Configuration Testing		This is to test zuoz progress in	Tests in progress
Create Testplan attachment browsers			

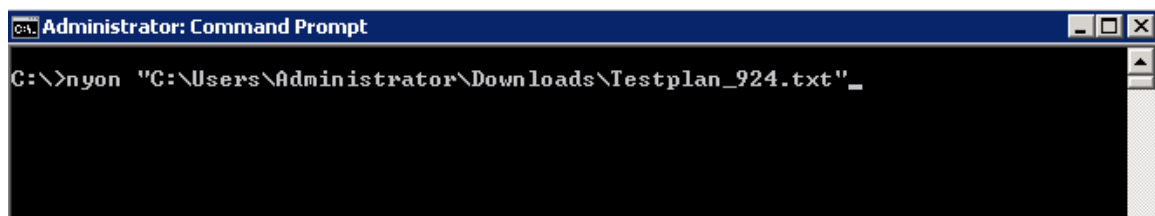
The icon automatically changes to  and then download the test plan.

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

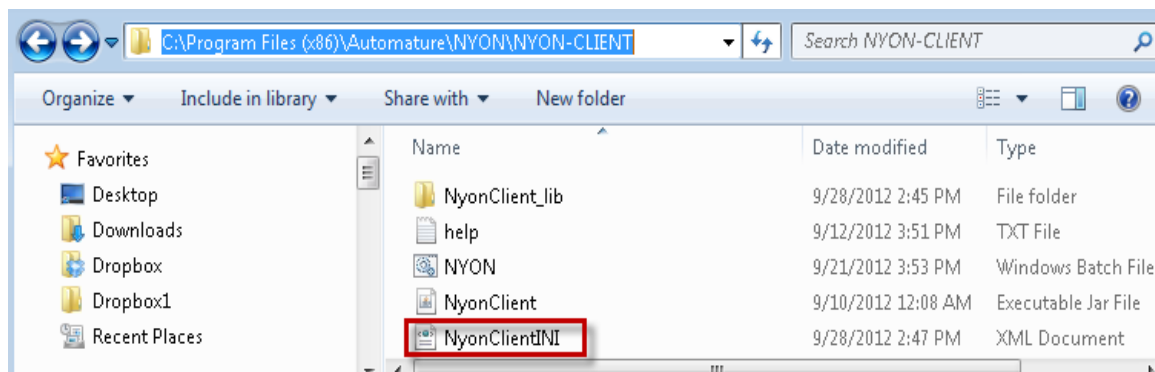
Open the command prompt and type the following:



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.

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```
<?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>
```