



# **Nyon Job Management Whitepaper**

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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 describes how jobs in Nyon can be managed using Zermatt.

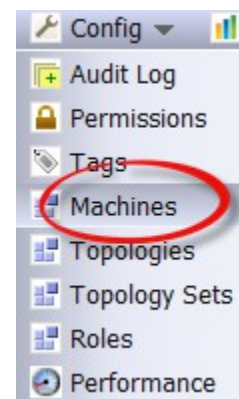
## 1.2 Intended Audience

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.





## 2 How to Access Nyon through Zermatt ?

This section describes Nyon can be accessed through the Zermatt Interface.

1. Go to Zermatt web home by entering your username and password in Twiki.
2. Click **Config>Machines** from the menu bar located at the top.



3. The Test Equipment Catalog page loads displaying the parameters such as Name, Description, Architecture, Nyon Port and Nyon State in a tabular form.
4. The 'Nyon State' column displays circles highlighted in red or green. Green circles indicate machines where Nyon is running.

\	5	32-bit	4569	
\	2	32-bit	4569	
\	0	64-bit	4569	
\	0	32-bit	4569	

5. On clicking the green button the Nyon Response web page loads displaying the List of Jobs. A screenshot is given below.



**Fig 1: Screenshot of the Nyon Response page**

### 1.3 GUI Components of Nyon Response web page

In this page you can view the job status and other parameters in a tabular form. The fields and their description are listed below.

<b>Fields</b>	<b>Description</b>
Job ID	Unique identifier for a particular job assigned.
Submission Time	Date and time to submission.
Submitter	Username of the person assigning the job.
Product	Product where the test has been launched.
Test Plan Name	Unique name of a specific test plan displayed in Zermatt GUI.
Testcycle Id	Unique identifier of the test cycle.

Status	The following job statuses are displayed. 35 17 Completed 35 17 Running 35 17 Waiting 35 17 Aborted
Action	The following actions are displayed in this column. 35 17 Cancel 35 17 Fetch log

If there is no job running in a particular machine, the Nyon Response page displays the following error message.



List of Jobs for Rangpo ⓘ

Flush Jobs:

**There is no job listed for one of the following reasons**

- 1.No job is submitted to Nyon
- 2.Davos is not running
- 3.Nyon can not connect to davos for some reason

Job Id ⓘ	Submission Time ⓘ	Submitter ⓘ	Product ⓘ	Test Plan Name ⓘ	Testcycle Id ⓘ	Status ⓘ	Action ⓘ
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## 1.4 Refreshing the Nyon Server Page

The job statuses and actions of the tests keep on changing. To view the current status, you *should* refresh the Nyon server web page. You *should* click the Reload Button located on the top right corner of the web page to refresh and display the current job status.

**Clicking the refresh button of the browser would not do the same!**

List of Jobs for Launching



Flush Jobs:

Job Id	Submission Time	Submitter	Product	Test Plan Name	Testcycle Id	Status	Action
904080574	2013/07/31 06:41:01	null	ZERMATT	Jenkins Regression	1716	Completed	
1069855582	2013/07/31 06:41:39	null	ZERMATT	Jenkins Regression	1717	Completed	
1711977041	2013/07/31 13:22:51	null	ZERMATT	Jenkins Regression	1721	Completed	
1324336698	2013/07/31 15:04:03	null	NYON	Jenkins Regression	1722	Completed	
1673545731	2013/07/31 18:49:56	null	DAVOS	Jenkins Regression	1723	Completed	



### 3 Flush Jobs

Flush Jobs is a text box with a drop-down arrow located just above the table. This text box allows you to manage jobs in Nyon by eliminating the jobs in process according to the categories.

On clicking the drop-down in the text box the following categories are displayed.

<sup>35</sup>/<sub>17</sub> All – Eliminates all jobs (running, waiting, completed) from Nyon.

<sup>35</sup>/<sub>17</sub> Waiting – Eliminates all waiting or pending jobs in Nyon.

<sup>35</sup>/<sub>17</sub> Running – Eliminates all running jobs in Nyon.

<sup>35</sup>/<sub>17</sub> Completed – Eliminates all completed jobs from Nyon.