

Zermatt VM Configuration Guide

**Zermatt – 3.7.0
CenOS – 6.4**

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1 Introduction

ZERMATT is Automature's browser based quality management framework for Planning and Reporting.

ZERMATT is used to store the results of the tests, the test environments and everything else that is contextually relevant to the tests.

It also provides an infrastructure for planning, creating requirements, and grouping test cases.

1.1 Document Purpose

The user manual will help you configure Zermatt virtual appliance distributed by Automature.

1.2 Intended Audience

This manual is intended for the users who would be using Zermatt for planning and reporting purpose.

1.3 References and Other Related Documents

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

1. Zermatt Install Guide
2. Zug User Manual

2 Downloading Zermatt VM

2.1 Download Zermatt VM from Automature website

³⁵₁₇ Go to <http://www.automature.com> and Click Download Zermatt icon on the home page of the website.

³⁵₁₇ It will redirect to FTP site, navigate to Linux/VM/CentOS

³⁵₁₇ Download ZermattVM-*.ova

3 Setting Static IP for LAN access

3.1 Make eth0 available

If `ifconfig` command does not show `eth0` interface.

```
vi /etc/udev/rules.d/70-persistent-net.rules
```

```
# This file was automatically generated by the /lib/udev/write_net_rules
# program, run by the persistent-net-generator.rules rules file.
#
# You can modify it, as long as you keep each rule on a single
# line, and change only the value of the NAME= key.

# PCI device 0x10ec:0x8168 (r8169) (custom name provided by external tool)
SUBSYSTEM=="net", ACTION=="add", DRIVERS=="?*",
ATTR{address}=="90:e6:ba:71:82:ea", ATTR{type}=="1", KERNEL=="eth*",
NAME="eth0"

# PCI device 0x8086:0x100e (e1000) (custom name provided by external tool)
SUBSYSTEM=="net", ACTION=="add", DRIVERS=="?*",
ATTR{address}=="00:0e:0c:59:46:e4", ATTR{type}=="1", KERNEL=="eth*",
NAME="eth1"
```

Remove the first entry starting with `SUBSYSTEM` and change the `NAME` in second entry to `eth0`. The new file should look like this:

```
# This file was automatically generated by the /lib/udev/write_net_rules
# program, run by the persistent-net-generator.rules rules file.
#
# You can modify it, as long as you keep each rule on a single
# line, and change only the value of the NAME= key.

# PCI device 0x8086:0x100e (e1000) (custom name provided by external tool)
SUBSYSTEM=="net", ACTION=="add", DRIVERS=="?*",
ATTR{address}=="00:0e:0c:59:46:e4", ATTR{type}=="1", KERNEL=="eth*",
NAME="eth0"
```

Restart system to check if it has recognized the `eth0` interface

```
sudo shutdown -r now
```

3.2 Configure eth0

```
vi /etc/sysconfig/network-scripts/ifcfg-eth0
DEVICE="eth0"
NM_CONTROLLED="yes"
ONBOOT=yes
HWADDR=A4:BA:DB:37:F1:04 (optional)
TYPE=Ethernet
BOOTPROTO=static
NAME="System eth0"
UUID=5fb06bd0-0bb0-7ffb-45f1-d6edd65f3e03 (optional)
IPADDR=192.168.1.44
NETMASK=255.255.255.0
```

3.3 Configure Default Gateway

```
vi /etc/sysconfig/network
NETWORKING=yes
HOSTNAME=mirik
GATEWAY=192.168.1.1
```

3.4 Restart Network Interface

```
/etc/init.d/network restart
```

3.5 Configure DNS server

```
vi /etc/resolv.conf
nameserver 8.8.8.8 # Replace with your nameserver ip
nameserver 192.168.1.1 # Replace with your nameserver ip
```

4 Configuring Twiki for accessing Zermatt by IP or hostname

To access Zermatt type the IP of the machine in your browser: 192.168.1.44, it will redirect to TWiki home. Select Login from the top pull-down menu, login with default username/password: admin/automature.

4.1 Set up Redirect URL

Allow IP address and hostname as URL to TWiki. This will allow users to access Zermatt by IP address and hostname.

- Go to <http://192.168.1.44/do/configure>
- Login with default password : automature

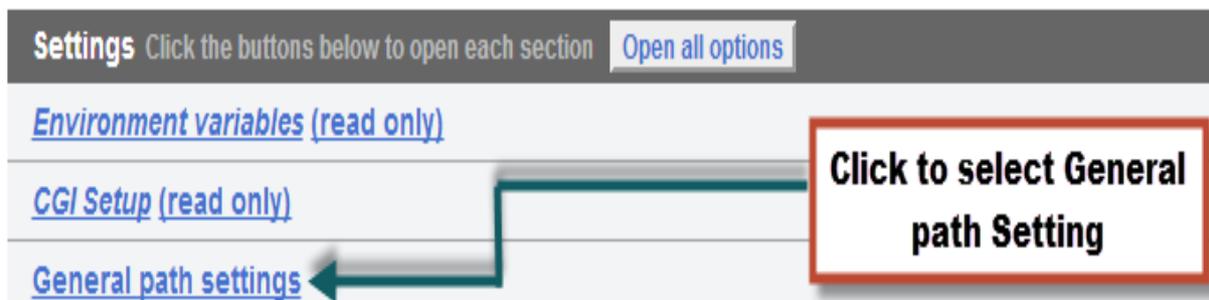


TWiki Administrator Login

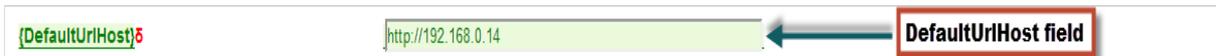
- If you are installing TWiki first time, please read [TWiki Installation Guide](#) and [TWiki-5.1 Release Notes](#).
- If you are upgrading an existing TWiki, please read [TWiki Upgrade Guide](#) and [TWiki-5.1 Release Notes](#).
- If your TWiki site is already working, continue to [browse to the TWiki WebHome](#).
 - You will now need to consider how you are going to manage authentication and access control. See the reference manual s and the [Security Setup](#) section below.
- To become an administrator you need to first [register](#) as a normal user first and then add your wikiname to the [TWikiAdminGro](#)
- If you are on a non-standard platform or environment there are a lot of [supplemental documents](#) on TWiki.org describing how [secure](#) your installation.
- If you get stuck there is a lot of support available at the [TWiki.Support](#) forum and on [TWikiIRC](#) (irc.freenode.net, channel #twiki). hosting solutions.



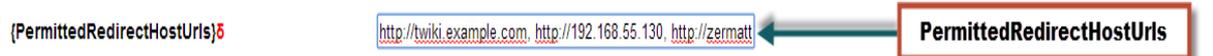
- Select **General Path Settings** under **Settings**



- You should see your IP in the **DefaultUriHost** field



- Enter hostname that you want to access the appliance against **PermittedRedirectHostUri** (e.g http://myhost.example.com,myhost2.example.com)



- Click Next at the bottom of the page



- Click Save on the next page.



To access Zermatt select **Home** from the pull-down menu and click on **ZERMATT**, it will take you to the Zermatt homepage.

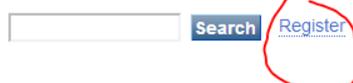
4.2 Create Users and settings Permissions

At this point there are no users, anyone who wants to use Zermatt must register as a TWiki user from the Register link on the TWiki home page

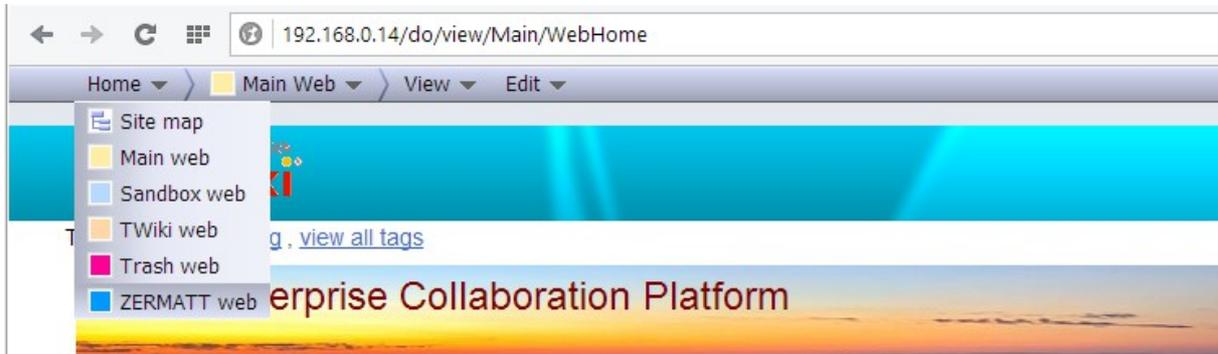
Congratulations, you have finished installing TWiki! Edit and customize this dashboard.

TWiki® is a flexible, powerful, secure, yet simple web-based collaboration platform. Use TWiki to run a project development space, a document management system, a knowledge base or any other groupware tool on either an intranet or on the Internet. [Learn more.](#)

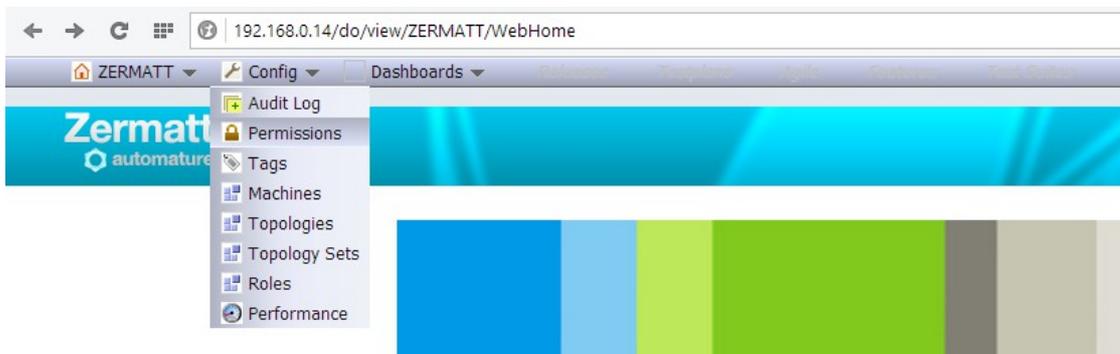
- [Welcome Guest - look here first](#)
- [TWiki Groups - for access control](#)
- [Web Search](#)
- [Web Topic List - all topics](#)
- [Web Notify - subscribe to e-mail alerts](#)
- [RSS & ATOM feeds of topic changes](#)
- [Web Statistics & Site Statistics](#)
- [Web Preferences - preferences of this web](#)
- [TWiki Preferences - site level preferences](#)



After registering as TWiki users, logout and login as admin and go to ZERMATT web from the pull-down menu under Home.



Hover on Config and click on Permissions



It will take you to UserAdmin page,



create new user with the same name as you register in TWiki e.g. JohnSmith. The password is optional.

Create New User

User Name	<input type="text" value="John Smith"/>	Enter User Name, Login Name, Password
Login Name	<input type="text" value="JohnSmith"/>	
Password	<input type="password" value="....."/>	
<input type="button" value="Save"/> <input type="button" value="Clear"/> <input type="button" value="Close Window"/>		Save to continue

After you've created the user it will show up in the user list table.

User Name ⓘ	Action(s) ⓘ	Twiki Name ⓘ	Product Authorizations ⓘ
admin	 	admin	ZERMATT Super User
John Smith	 	JohnSmith	

Showing John Smith in the user list table

Now you can create products and other objects and manage permissions from the same User Admin page by clicking on the edit icon in the user list table for each user.

User Admin ⓘ

User Name ⓘ	Action(s) ⓘ	Twiki Name ⓘ	Product Authorizations ⓘ
admin	 	admin	ZERMATT Super User Test Product : Admin
John Smith	 	JohnSmith	Test Product : Viewer

Click Edit User authorization to provide permission to user

Edit User Permissions

User Name	<input type="text" value="John Smith"/>
User Twiki Name	<input type="text" value="JohnSmith"/>
User Password	<input type="password"/>

Update

John Smith has permission for the following products

Product ⓘ	Action ⓘ	Permission Level ⓘ	Change Role ⓘ
Test Product 		Admin	 Planner  Tester  Viewer  Admin

Authorize **John Smith** for the following products:

Product ⓘ	<input type="text" value="Add Product ⓘ"/>
-----------	--

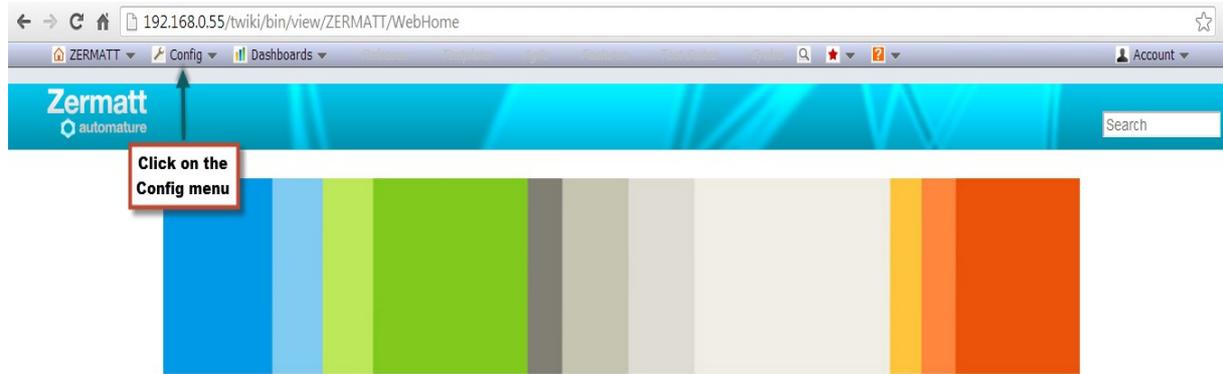
Close Window

click to add permission

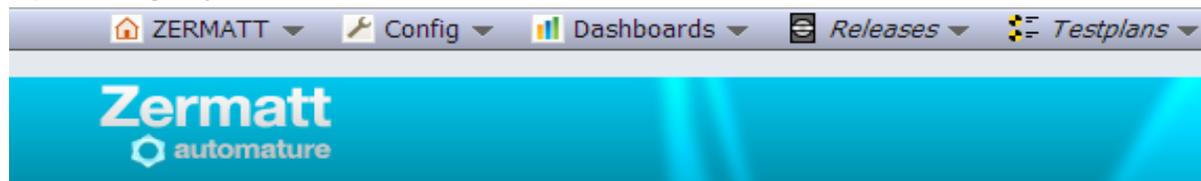
5 Integrating Zermatt with Nyon and Zug

5.1 Set up Config File

To set up Config navigate to upper left corner and click on the config menu.



Once config menu is clicked it will navigate to the Zermatt Configuration page. Add ZermattPubURL to report through Nyon.



Zermatt Configuration ⓘ

Name ⓘ	Action ⓘ	Value ⓘ
DatabaseName	<input checked="" type="checkbox"/> <input type="checkbox"/>	Framework
Nyon_Port	<input checked="" type="checkbox"/> <input type="checkbox"/>	4569
ArchiveLocation	<input checked="" type="checkbox"/> <input type="checkbox"/>	C:\ZUGLogArchive
ZermattPubURL	<input checked="" type="checkbox"/> <input type="checkbox"/>	http://192.168.0.55/twiki/pub/ZERMATT
ZermattPathToPubDirectory	<input checked="" type="checkbox"/> <input type="checkbox"/>	/var/www/twiki/pub/ZERMATT
DavosURL	<input checked="" type="checkbox"/> <input type="checkbox"/>	http://192.168.0.5:4567
SMTP-ServerName	<input checked="" type="checkbox"/> <input type="checkbox"/>	smtp.gmail.com
SMTP-ServerPort	<input checked="" type="checkbox"/> <input type="checkbox"/>	587
Account-Username	<input checked="" type="checkbox"/> <input type="checkbox"/>	oliver@zermatt.com
Account-Password	<input checked="" type="checkbox"/> <input type="checkbox"/>	oliver@zermatt.com
my_Key	<input checked="" type="checkbox"/> <input type="checkbox"/>	my_Value

Edit to add ZermattPubURL (red box) points to the edit icon of the ZermattPubURL row.

ZermattPubURL (red box) points to the value of the ZermattPubURL row.