



# **User Guide**

### **Requirements:**

- 1. docker
- 2. Internet connection
- 3. Admin / root privilege

# **Docker installation**

Clarity.VI docker page: https://hub.docker.com/r/clarityvi/vmd

To run Clarity. VI straight in docker, run the command below:

```
docker run --name vmd -p 8443:443 clarityvi/vmd:latest
```

Now open your browser to <a href="https://localhost:8443">https://localhost:8443</a> and login using: admin/manager

or

for data persistant:

```
docker volume create mariadb-data
docker volume create es-data
docker volume create vmd

docker run -d --name vmd \
--mount source=mariadb-data,target=/var/lib/mysql \
--mount source=es-data,target=/var/lib/elasticsearch \
--mount source=vmd,target=/var/www/vmd \
-p 8443:443 clarityvi/vmd:latest
```

Open your browser to <a href="https://localhost:8443">https://localhost:8443</a> and login using: admin/manager

Send email to info@rnflabs.com to request for trial license.

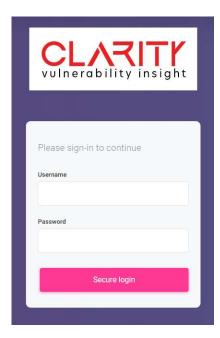




# **Using Clarity.VI**

# 1. Login to Clarity.VI dashboard.

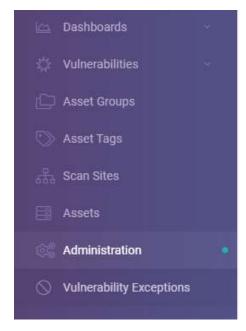
Open your browser to <a href="https://localhost:8443">https://localhost:8443</a> and login using: admin/manager or the password you have set.



Enter the user & password you created during the installation.

# 2. Adding Nessus scanner to the Dashboard

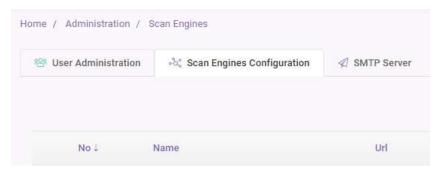
Go to the "Administration" page.



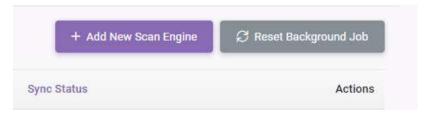




# Click the "Scan Engine Configuration" tab.



# Click "+ Add New Scan Engine".



Enter the Scan engine name
The URL of the Nessus – <a href="https://xxx.xxx.xxx">https://xxx.xxx.xxx</a>
Default port is 8834, change the port if you Nessus port if different.
Enter the API Key and the Secret Key.

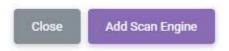
### Add Scan Engine







Click "Add Scan Engine".



# **Getting the Nessus API keys.**

- Login to Nessus
- Go to "Settings" and click "My Account" page.
- Go to the "API Keys" tab and click the "Generate" button.
- Copy the API and Secret Keys.

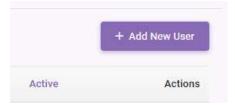
# 3. Adding user in Dashboard

Go to the "Administration" page.

Click the "User Administration" tab.



## Click "+ Add New user".



### Enter the details.

Add New User







Select the group for the users.



Select the "Scan sites", "Asset Tags" and the "Asset Groups" the user will have access to.

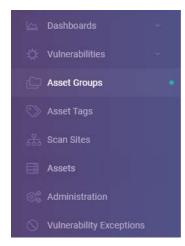


Click "Add User" to complete.



# 4. Create Asset Group.

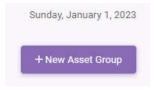
Go to "Asset Groups" page.







# Click "+ New Asset Group".



# Enter the Asset group name & the description.

#### **New Asset Group**



# Select the assets for the group.



# Click "Add Asset Group" to complete.

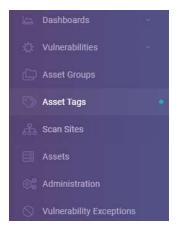




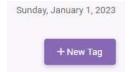


# 5. Create Asset Tags.

Go to the "Asset Tags" page.



Click "+ New Tag".



Select the assets for the tag.

Enter the tag details, such as description, tag owner, contacts information.

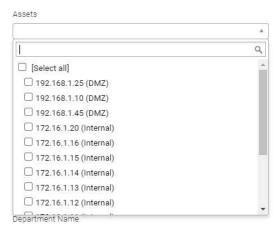
# New Tag



Select the assets for the tag.





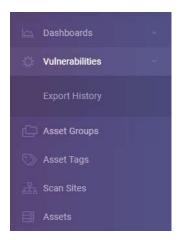


Click "Add Tag" to complete.

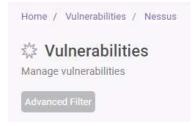


# 6. Create vulnerability report.

Go to "Vulnerabilities" page.

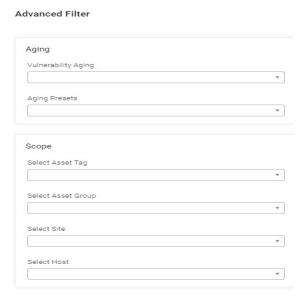


You can select the scope of vulnerabilities you want by using the "Advance Filter" button.

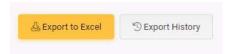




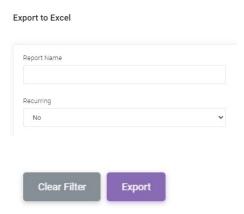




## Click "Export to Excel" button.



# Enter the report name and click "Export".



# 7. Create recurring vulnerability report.

Go to "Vulnerabilities" page.

You can select the scope of vulnerabilities you want by using the "Advance Filter" button. Click "Export to Excel" button.

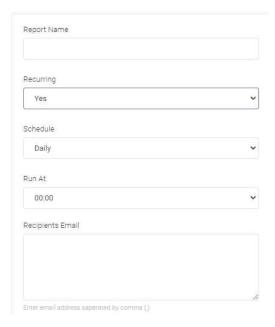
Enter the report name and select "Recurring" drop-down menu to "Yes".

Select your preferred schedule time.

Enter list of email, if you want them to be send directly via Email.





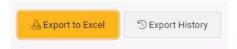


# Click "Export" to save.



# 8. Downloading the report.

Go to "Vulnerabilities" page. Click on the "Export History" button.



# Click the "Download" button to download the report.

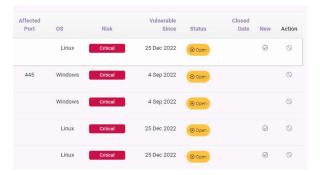




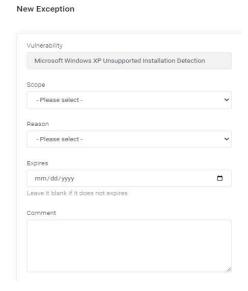


### 9. Vulnerability Exception.

To create vulnerability exception, click on the "Action" button of the vulnerability and "New Exception" panel will appear.



# Select the scope of the exception:



- This instance only the exception will apply only to this specific vulnerability on this host.
- All instances on this asset the exception will apply to all the same vulnerability on this host.
- All instances on this asset's site the exception will apply to all the same vulnerability on the defined "Scan site".
- All instances in asset group the exception will apply to all the same vulnerability in the defined "Asset groups".
- Global (All instances) the exception will apply to all the same vulnerability globally.

Select the "Reason".

Define the expiry of the exception. Leave it blank if it does not expires.

Enter the comments or your reference / details of your exception and click "Submit".







Do note if the exception is created by user, it will need to be review by administrator before the exception if approved.

If the exception is created by administrator, it will automatically approved.

### 10. Dashboard.

By default the dashboard is blank. You can add in the cards to create a customize view for you dashboard.

You can create multiple dashboard with different view by clicking the "Create new dashboard Page" button.



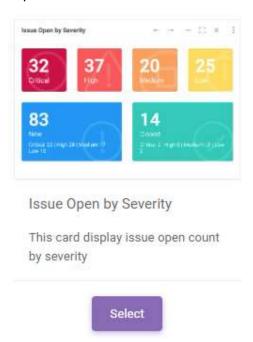
### 11. Dashboard cards.

You can add card by clicking the "Add New Card" button.



## 12. Issue Open by Severity.

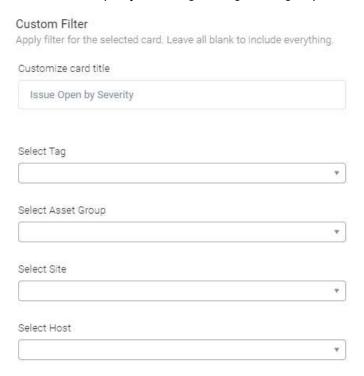
This card provides the total number of vulnerability found by severity.







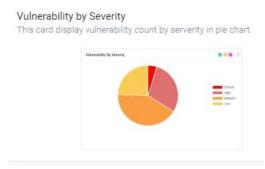
You can select the scope by selecting the tag, asset groups, scan sites or hosts.



To get an overview of all the assets, leave the scope blank.

# 13. Vulnerability by Severity.

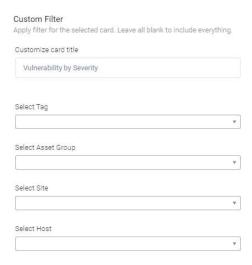
This card provides a pie chart of the total number of vulnerability found by severity.



You can select the scope by selecting the tag, asset groups, scan sites or hosts.







To get an overview of all assets, leave the scope blank.

# 14. Assessed Assets.

This card provide the number of assets that have been scanned.

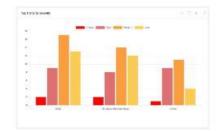


To get an overview of all the assets, leave the scope blank.

## 15. Top X Bar Chart.

This card provide a bar chart view of vulnerability found by your selected scope.

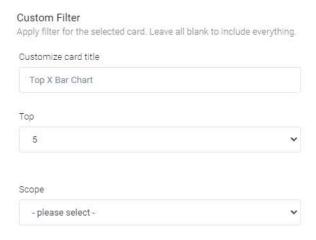








You can select the scope by selecting the tag, asset groups, scan sites or hosts.

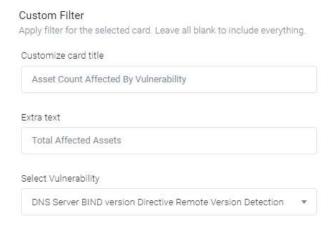


# 16. Asset Count Affected By (Vulnerability).

This card provide the number of hosts / assets affected by specific vulnerability.



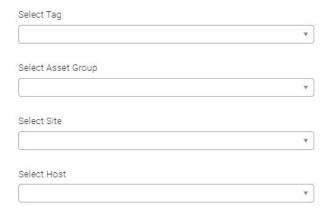
You can define the vulnerability by "Select Vulnerability" of your choice.



Define the scope by selecting the tag, assets groups, scan sites or hosts.



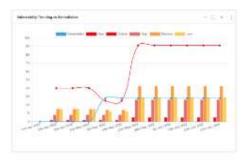




To get an overview of all assets, leave the scope blank.

# 17. Vulnerability Trending vs Remediation.

This card provide the vulnerability trending charts.



Vulnerability Trending vs Remediation

This card display vulnerability trending vs remediation

Define the scope by selecting the tags, asset groups or scan sites. Select all, if you want an overview of all the assets.

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Define the interval of the charts, by selecting "Weekly" or "Monthly" interval.





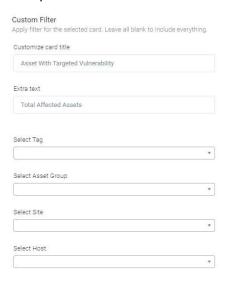


# 18. Asset with Targeted Vulnerability.

This card shows number of assets with exploitable vulnerability.



You can define the scope based on tag, asset groups, scan sites or multiple hosts if you need to be specific.



Leave the scope blank if you can to cover all assets.

### 19. New Discovered Assets.

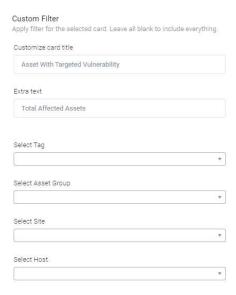
This card provide the number of new found assets in the latest scan.



You can define the scope based on tag, asset groups, scan sites or multiple hosts if you need to be specific.







Leave the scope blank if you can to cover all assets.

# 20. Vulnerability Aging By Severity.

This card provide the view of aging vulnerability by severity.

# Vulnerability Aging By Severity

This card display the number of issues aging by severity



Define the scope by selecting the tag, assets groups, scan sites or hosts.



To get an overview of all assets, leave the scope blank.





### 21. Mitigated Host By Severity.

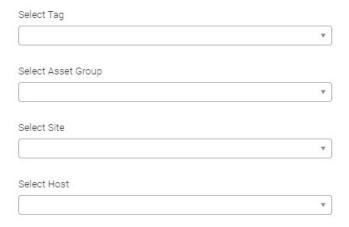
This card shows the number of remediated vulnerability by assets and severity.

### Mitigated Host By Severity

This card display the number of issues closed by host and severity



You can define the scope by selecting tags, assets groups, scan sites or hosts.



To get an overview of all assets, leave the scope blank.

# 22. Top X Table.

This card provide the top 3 – top 10 view of your most vulnerable assets, tags, asset groups or scan sites.

#### Top X Table

This card display the top x table base on user selected scope



You can customize the view according to what scope you define.

This cards depends on a properly created tags and asset groups if you wanted an accurate presentation of your environment.

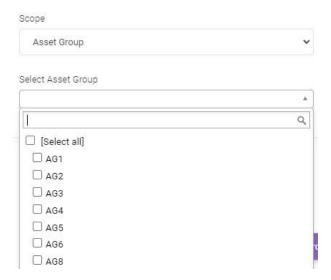




Select the "Scope" and leave the box below blank if you want an overall view.

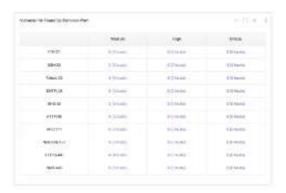


Check the items in the box below the "Scope" if you wanted to select only the relevant view according to your environment.



# 23. Vulnerability Found By Common Port.

This card provide view of vulnerability found by ports / services.



Vulnerability Found By Common Port

This card display vulnerability found by common port





You can define the scope by selecting tags, assets groups, scan sites or hosts.



To get an overview of all assets, leave the scope blank.

# 24. Top X by Vulnerability.

This card provide the top 3 – top 10 view of most common vulnerability found by severity.



Top X by Vulnerability

This card display top x vulnerability

You can define the scope by selecting the "Severity". If you wanted an overall view, leave other menu blank.







If you want a specific view based on tags, assets groups, scan sites or hosts. Select the items you wanted and click "Add card".





