

# VISS User Guide

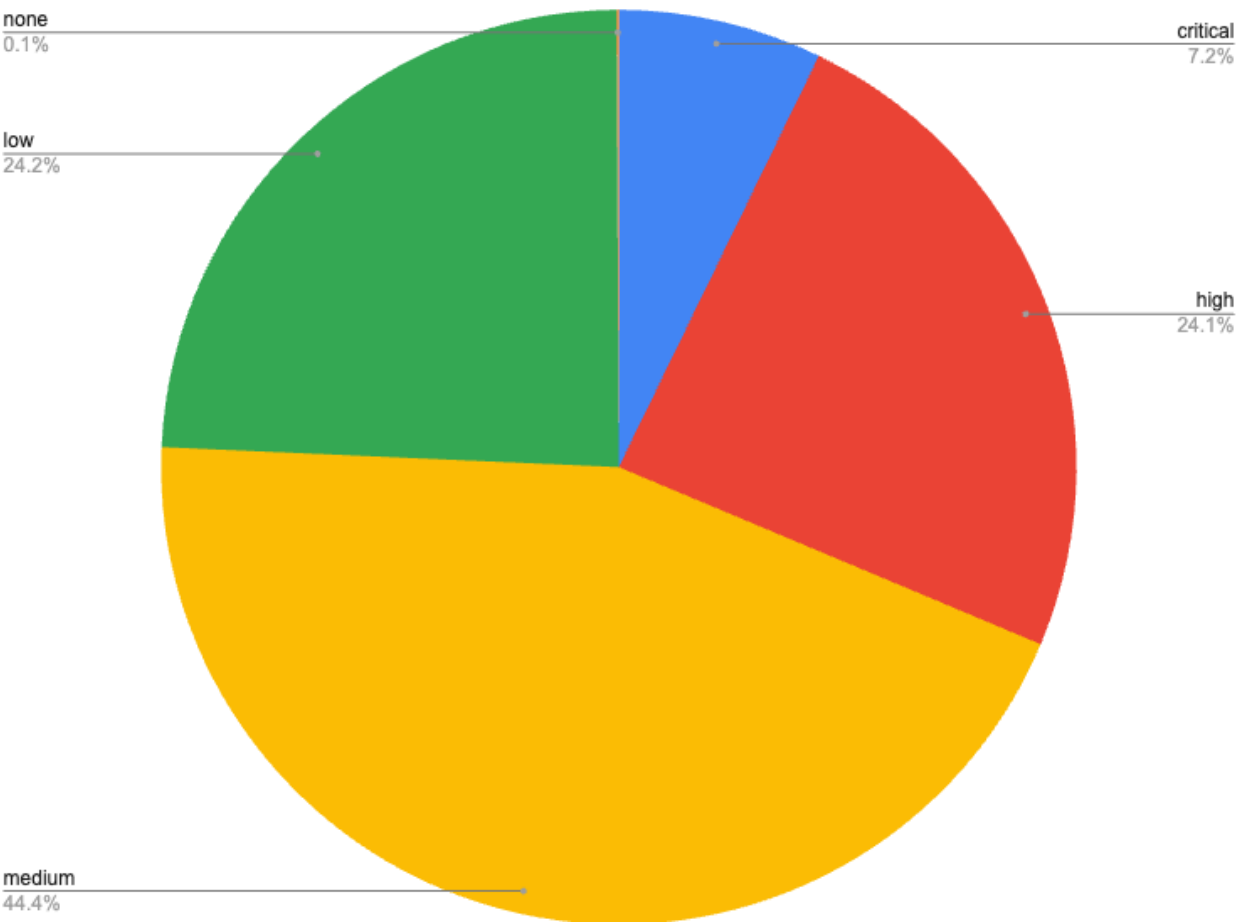
- Configurations.....2**
  - Default v0.01 configuration.....2
  - Creating a new configuration.....3
    - How to assign weights.....3
  - Editing and deleting an existing configuration.....4
  - Assigning a configuration version.....4
- Rules.....5**
  - Creating rules.....5
- Groups.....6**
  - Editing group information.....6

# Configurations

## Default v0.01 configuration

VISS comes with a default configuration – v0.01 – that has metric weight values which have been calibrated to provide a smooth distribution across all possible metric selection combinations.

Possible VISS Score Distribution



zoom Configurations Groups						
Configurations						
Available configurations						
Configuration name	Version	# Values	# Rules	Created at	Last update	
Default VISS Configuration		80	0	Fri Jul 28 2023	Fri Jul 28 2023	⋮
Pre-Release of v0.2	0.01	104	15	Fri Jul 28 2023	Mon Jul 31 2023	⋮

# Creating a new configuration

It's also possible to start from scratch and create an empty configuration with default values only:

zoom

ConfigurationsGroups

⚙

Configurations > Gold Quarsh Panaka

Configuration

Gold Quarsh Panaka

🗑

🔍

Search...

📄

✓

Save

Key	Metric name	Default Value	# Values	# Rules	Last update
^	PLIPlatform Impacted	NA	1	0	15:57:17
Key	Name		Weight	History	Last update
NA	N/Adefault		0		15:57:17
⊕					
^	ICIConfidentiality	N	1	0	15:57:17
Key	Name		Weight	History	Last update
N	Nonedefault		0		15:57:17
⊕					
^	IIIIntegrity	N	1	0	15:57:17

Infrastructure

0

Tenancy

0

Data

0

VISS

0

Reset

NoneNoneNoneNoneNone

Using the integrated calculator, whenever a new value is created or weights are changed, scores and impacts are automatically updated in real-time, making your metric weight smithing session easier and faster.

zoom

ConfigurationsGroups

⚙

Configurations > Gold Quarsh Panaka

Configuration

Gold Quarsh Panaka

🗑

🔍 Search...

📄

Save

Key	Metric name	Default Value	# Values	# Rules	Last update	
^	PLI	Platform Impacted	NA	2	0	15:57:17

Key	Name	Weight	History	Last update
NA	N/A <span>default</span>	0		15:57:17
T	Third-Party	0,5		15:57:56

Infrastructure

0

Tenancy

0

Data

0

VISS

0

Reset

Platform Impacted

N/A

Platform Impact

N/A

Tenancy

Third-Party

Tenants Impacted

None

Data Impact

N/A

Data Classification

None

Compensating Controls

N/A

Integrity

None

Availability

None

Software

N/A

Database

N/A

Confidentiality

N/A

Integrity

N/A

Availability

N/A

Data Classification

None

Compensating Controls

N/A

## How to assign weights

Some of the metrics **have** boundaries. Specifically, it's **required to define a value between 0 and 1** for metric **triplets**:

- Platform Impact;
- Tenancy;
- Data Impact.

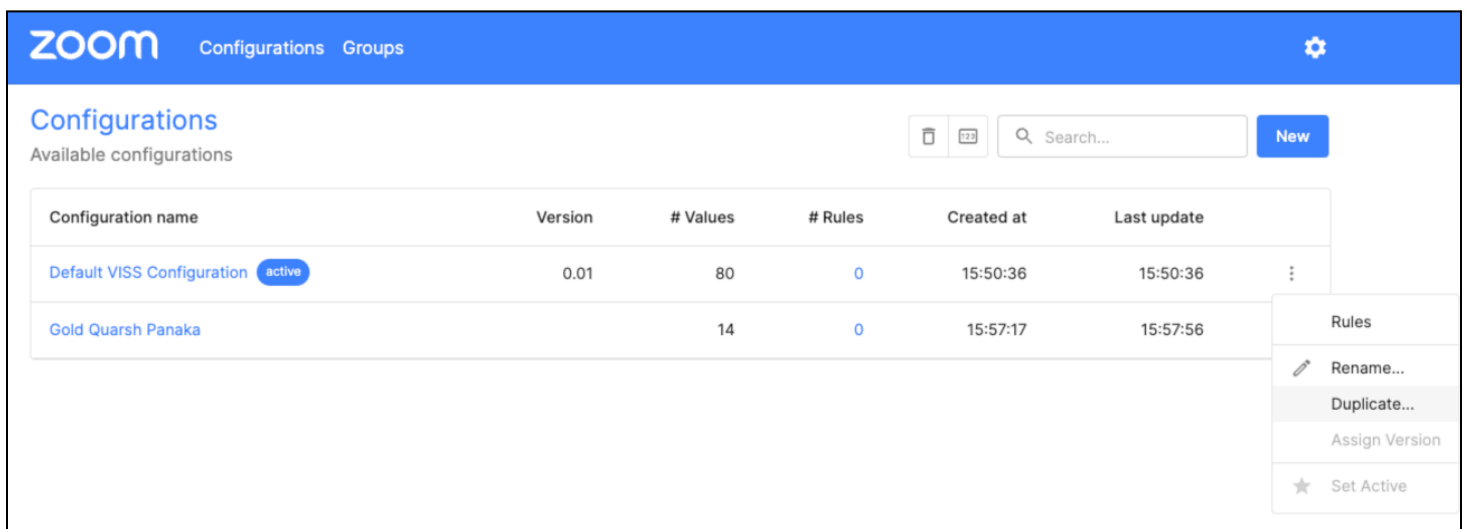
Single-entry metrics, instead, can have arbitrary values:

- Platform Impacted;
- Tenants Impacted;
- Data Classification;

A special mention for the **Compensating Controls** metric that rebases the final score/impact depending on any compensating control that can be in place. Therefore, its **default value is 1** when no controls are implemented and gets closer to 0 depending on the number of security mechanisms – unpredictable IDs, WAF, etc... – and their capabilities to prevent an issue from being exploited in a real-world scenario.

## Editing and deleting an existing configuration

Configurations can be edited as long as they **do not have** a version assigned. This guarantees consistency and transparency:



The screenshot shows the Zoom Configurations interface. At the top, there's a blue header with the Zoom logo and navigation links for 'Configurations' and 'Groups'. Below the header, the 'Configurations' section is active, showing a list of available configurations. The table has columns for Configuration name, Version, # Values, # Rules, Created at, and Last update. Two configurations are listed: 'Default VISS Configuration' (active, version 0.01, 80 values, 0 rules) and 'Gold Quarsh Panaka' (version 14, 0 rules). A context menu is open for the 'Gold Quarsh Panaka' configuration, showing options: Rules, Rename..., Duplicate..., Assign Version, and Set Active.

Configuration name	Version	# Values	# Rules	Created at	Last update
Default VISS Configuration <span>active</span>	0.01	80	0	15:50:36	15:50:36
Gold Quarsh Panaka		14	0	15:57:17	15:57:56

To alter an existing configuration, it's mandatory to copy/duplicate the configuration first and then apply changes. Once confirmed, the configuration can be then versioned and made immediately available on the public calculator.

# Assigning a configuration version

When a version is assigned to a configuration, it becomes available to the end user – public calculator – and it's **no longer** possible to **edit** or **delete** it. The configuration is assigned an incremental number depending on the previous configuration version – v0.01, v0.02, etc... –.

Config v0.5	active	0.05	110	60	Wed Oct 04 2023	Mon Oct 23 2023	⋮
Config v0.6			106	60	Tue Oct 24 2023	Tue	
					Rules		
					✎ Rename...		
					Duplicate...		
					Assign Version		
					★ Set Active		
					🗑 Delete		

# Rules

## Creating rules

Every configuration can have its own ruleset. Some of the metrics might not be available/selectable unless another metric or a specific value is first selected:

The screenshot shows the Zoom web interface for configuring rulesets. The breadcrumb trail is 'Configurations > Default VISS Configuration > Ruleset'. The 'Ruleset' page for 'Default VISS Configuration' (version 0.01, active) is displayed. A 'Create Rule' modal is open, showing the following configuration:

- Metric: ICI - Confidentiality
- Activation metric: PLI - Platform Impacted
- Activation value: W - Web

The modal has 'Cancel' and 'Save' buttons. The background shows a table with columns 'Metric', 'Activate on', and 'Created at', currently containing 'No rules...'.

In the example above, **ICI** is not selectable unless **PLI** is set to **Web**, making it grayed out on the public calculator:

The screenshot shows the Zoom public calculator interface. The top navigation bar includes 'Home', 'Calculator', 'Specifications', and 'Versions'. The calculator displays the following metrics and values:

- Infrastructure: 0 (None)
- Tenancy: 0 (None)
- Data: 0 (None)
- VISS: 0 (None)

A 'Reset' button is located next to the VISS value. Below this, the calculator shows detailed impact and classification settings:

- Platform Impacted: N/A
- Platform Impact: Confidentiality (None), Integrity (None), Availability (None)
- Tenancy: Infrastructure (N/A), Software (N/A), Database (N/A)
- Tenants Impacted: None
- Data Impact: Confidentiality (N/A), Integrity (N/A), Availability (N/A)
- Data Classification: Data Classification (None)
- Compensating Controls: Compensating Controls (N/A)

# Groups

## Editing group information

From the Groups section, it's possible to edit and provide details of every metric group. This helps the final user/researcher while selecting the proper value depending on the reported issue:

The screenshot shows a modal titled "Define group description" with a sub-header "Edit Description" and the text "Edit description for 'Platform Impacted'". The modal contains a rich text editor with a toolbar. The editor shows the following text: **### Platform Impacted**  
- Third party: every third-party hosted application  
- ...|

Below the editor, there is a "Word Count: 79" label and a "Scroll Auto" checkbox. At the bottom right, there are "Cancel" and "Save" buttons.

In the public calculator, the support text/description is accessible via modal pop-up:

The screenshot shows the public calculator interface. At the top, there are four categories: Infrastructure (0), Tenancy (0), Data (0), and VISS (0). Below these, there are dropdown menus for "Platform Impacted" (N/A), "Platform Impact" (Confidentiality: None, Integrity: None, Availability: None), "Tenancy" (Infrastructure: N/A, Software: N/A, Database: N/A), "Data Classification" (None), and "Compensating Controls" (N/A). A modal pop-up titled "Platform Impacted" is open, showing the following text: **Platform Impacted**  
• Third party: every third-party hosted application  
• ...