

YouthCyberSecurity.org

User's Manual

Contents

What is YouthCyberSecurity.org?	2
Getting Started!.....	3
How Instructors Can Use YouthCyberSecurity.org.....	3
Using Lesson Articles	4
Using Video Lessons.....	4
Using Quizzes and Games	4
What can Students and Instructors see on the Website?	4
What do Students See?.....	4
How to Take Quizzes?	5
How to View Quiz Scores?	5
How to Search?	6
What do Instructors Have Access to?	8
How to Access Quiz Statistics.....	8
What Kinds of Quiz Statistics are Available?	9
How to View Student Results?	10
What Do Advisors Have Access to?	11
Editing Lesson Articles.....	11
How to View Game Performance and Statistics?	13

What is YouthCyberSecurity.org?

YouthCyberSecurity.org is a website for youth to have fun learning about cybersecurity, and it is a resource for instructors to use to teach youth about security on the Internet. The target audience of YouthCyberSecurity.org is youth who are in grades 4 through 6 or similar.

YouthCyberSecurity.org contains lesson articles with text and images, animated videos based on lesson material, quizzes, and games. These material can be used to devise fun lessons for youth.

Students and instructors can have their own personal accounts. Logged in students are able to review quizzes and scores. Logged in instructors have the ability to view quiz performance and statistics. Advisors can use the game performance and access frequency statistics to assess students' learning over a period of time.

Getting Started!

The screenshot shows the YouthCyberSecurity.org website. At the top, there is a navigation bar with links: Why Use a Firewall?, Firewall Configuration, Password Security, Security Tools, Cyber Safety, and Cyber Threats. A red circle with the number '2' is placed over the 'Firewall Configuration' link. Below the navigation bar, there is a large blue banner with a cartoon shield character and a 'View lessons!' button. The main content area features a lesson titled 'How to Turn On Windows Firewall (Windows 7)' by Professor Security, dated Mon, 08/04/2014 - 1:03am. The lesson text states: 'The Windows Firewall can be turned on/off from Windows Firewall settings.' Below the text is a screenshot of the Windows Firewall settings window with a red arrow pointing to the 'Turn Windows Firewall on or off' link. A cartoon panda is also present in the screenshot. Below the lesson, there is a grid of six icons representing different topics: Firewall, Security Tools, Cyber Threats, Vulnerabilities, Remedies, and Password best practices. At the bottom left, there is a 'User login' section with a red circle and the number '1' next to it, and a red arrow pointing to the 'Login here!' button. The login form includes fields for 'Username' and 'Password', a 'Request new password' link, and a 'Log in' button. To the right of the login form, there is a section titled 'Our sponsor' which mentions 'Youth Cybersecurity curriculum and app development is sponsored by Symantec' and includes the Symantec logo.

1. Get started by logging in to your account if you have one. If not, you can still browse the lesson materials.
2. Browse the lesson materials by selecting topics from the main menu at the top.

How Instructors Can Use YouthCyberSecurity.org

The content on YouthCyberSecurity.org are categorized into the following types:

- Lesson Articles
- Video Lessons
- Quizzes
- Games

For the most part, the videos teach the same content as the lesson articles. Both the quizzes and games are meant to check a student's understanding of material, but the questions asked may differ.

Using Lesson Articles

YouthCyberSecurity.org has a variety of security topics, ranging from firewalls to malware. Since students might have differing backgrounds in Internet usage, it might become necessary to alter or extend the lessons presented on YouthCyberSecurity.org. To help instructors devise altered or extended lessons, YouthCyberSecurity.org provides "Notes to Instructors" and "Related Resources", which provide suggestions on alternative lesson plans and additional resources. These are usually found on the last page or second-to-last page of a lesson.

Using Video Lessons

A few of the lessons at YouthCyberSecurity.org have cartoon video versions, which present most of a lesson topic's material. Instructors may choose to use video lessons instead of lesson tests when available, or they may choose to show video lessons before showing lesson articles.

Using Quizzes and Games

Quizzes, known on YouthCyberSecurity.org as "Challenge Questions", can be used to evaluate student learning. They are scored, so instructors may choose to use them to determine if a student deserves a reward or not. For example, instructors may decide to not allow a student to play the games until the student earns a high enough score on the quizzes.

What can Students and Instructors see on the Website?

All users have access to the lesson materials. Students are restricted from accessing certain parts of the website that Instructor's have access to.

What do Students See?

Students are able to take quizzes and review their answers and scores. By logging in, the quiz scores will be saved. (On YouthCyberSecurity.org, quizzes are known as "Challenge Questions" or "Challenges"). Students and anonymous users can also search the website.

How to Take Quizzes?

Why Use a Firewall? Firewall Configuration Password Security Security Tools Cyber Safety Cyber Threats

Home » Firewall Configuration » Windows 7 » How to Turn On Windows Firewall (Windows 7): Page 6 of 8

Lessons

- ▶ [Why Use a Firewall?](#)
- ▶ [Firewall Configuration](#)
- ▶ [Password Security](#)
- ▶ [Security Tools](#)
- ▶ [Cyber Safety](#)
- ▶ [Cyber Threats](#)

How to Turn On Windows Firewall (Windows 7): Page 6 of 8

Professor Security Mon, 08/04/2014 - 1:03am

1 Try this challenge!

Turning on the Firewall (Windows 7)

Questions:	5
Available:	Always
Pass rate:	75 %
Backwards navigation:	Allowed

2 Click to Begin Quiz!

[Start quiz](#)

Try the challenge in a different way! (Internet connection needed)

1. Which is a reason to learn about firewall configuration?*

1. Find a Challenge Question. They can usually be found on the second-to-last page of a lesson article.
2. Begin the quiz by clicking on "Start quiz".

How to View Quiz Scores?

The following steps will walk you through how to view your quiz scores. You must be logged in to view scores.

Security Tools Cyber Threats Remedies Password best practices

Why Learn How to Configure a Firewall?

When you share a wifi Internet connection with strangers, you are more vulnerable to an attack from hackers or malware if you do not have a firewall set up properly. And if you already have a firewall protecting you, you might want it to ignore some of your trusted programs.

1 Go to your account!

User menu
[My account](#)
[Log out](#)

Sponsor
Security
curriculum and
development is
sponsored by
Symantec

1. Go to your account by clicking "My account" at the bottom of the page.

Youth CyberSecurity

Why Use a Firewall? Firewall Configuration Password Security Security Tools Cyber Safety Cyber Threats

Lessons

- Why Use a Firewall?
- Firewall Configuration
- Password Security
- Security Tools
- Cyber Safety
- Cyber Threats

Bob the student 2

View Edit **My results**

History

Member for
2 months 3 weeks

Click "My results"!

2. From your account page, click "My results".

Bob the student

View Edit **My results**

Quiz Title	Started	Finished	Score	Evaluated	Operation
Turning on the Firewall (Windows 7)	Nov 24 2014 - 8:38pm	Nov 24 2014 - 8:39pm Duration : 0:00:57	100 % Passed	Yes	View answers

Quiz that are not evaluated may have a different score and grade once evaluated.

Select a quiz!

3

3. Click on the title of the quiz to retake it. Click "View answers" to view your answers and the correct answers.

How to Search?

Youth CyberSecurity

Why Use a Firewall? Firewall Configuration Password Security Security Tools Cyber Safety Cyber Threats

Enter the terms you wish to search for.

Click the search bar and enter something to search for.

Firewall
How to configure firewall

Click on the search bar at the top of the page, and enter your search term. Click "enter" on your keyboard or click on the magnifying glass icon to submit your search. The search results will then show up.

What do Instructors Have Access to?

Instructors may view the quiz performance of students. Instructors also have access to anything a student would have access to.

How to Access Quiz Statistics

The quiz statistics page allows an instructor to view students' performance on quizzes.

Home » Firewall Configuration » Windows 7 » How to Turn On Windows Firewall (Windows 7): Page 6 of 8

How to Turn On Windows Firewall (Windows 7): Page 6 of 8

Professor Security Mon, 08/04/2014 - 1:03am

1 Try this challenge!

2 Turning on the Firewall (Windows 7) Click on Quiz Title

Questions:	5
Available:	Always
Pass rate:	75 %
Backwards navigation:	Allowed

Start quiz

1. Locate a Challenge. Challenges can usually be found on the second-to-last page of a lesson.
2. Click the quiz title to access the quiz page.

Youth CyberSecurity

Why Use a Firewall? Firewall Configuration Password Security Security Tools Cyber Safety Cyber Threats

Home » Turning on the Firewall (Windows 7)

Turning on the Firewall (Windows 7)

View Take Results **3 Statistics** Click Statistics

Questions:	5
Available:	Always
Pass rate:	75 %
Backwards navigation:	Allowed

Start quiz

3. Click on the "Statistics" tab to view the statistics for the quiz.

Turning on the Firewall (Windows 7)

View

Take

Results

Statistics

There are 4 revisions of this quiz that have been taken. Different revisions may have different scoring, difficulty and other differences affecting its statistics. Because of this you have to choose the revision you want to see statistics for.

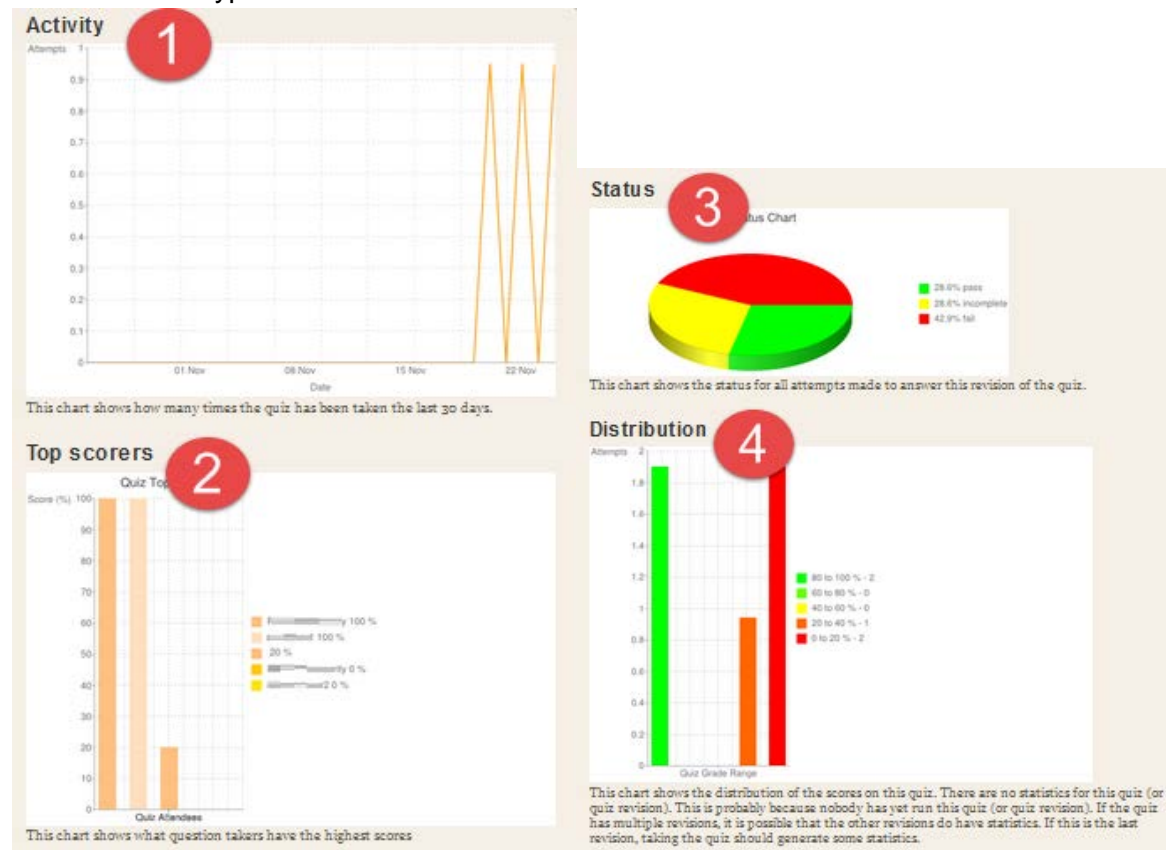
| [revision 1](#) | [revision 2](#) | [revision 3](#) | [revision 4](#) |

Choose a revision

4. Select a revision. Usually you want the latest one. Alternate revisions usually occur when the Challenge is edited.

What Kinds of Quiz Statistics are Available?

There are four types of statistics available.



1. Activity: Shows the number of quizzes taken by anyone within the past 30 days.
2. Top scorers: Compares quiz-takers by quiz score.
3. Status: Shows the percent of passed, incomplete, and failed quiz attempts.
4. Distribution: Shows the distribution of scores.

How to View Student Results?

Instructors can view students' quiz answers.

Home » Firewall Configuration » Windows 7 » How to Turn On Windows Firewall (Windows 7): Page 6 of 8

Locate a challenge!

How to Turn On Windows Firewall (Windows 7): Page 6 of 8

Professor Security Mon, 08/04/2014 - 1:03am

1 Try this challenge!

2 Turning on the Firewall (Windows 7)  Click on Quiz Title

Questions:	5
Available:	Always
Pass rate:	75 %
Backwards navigation:	Allowed

Start quiz

Windows 8

1. Find a challenge quiz. Challenges can usually be found on or near the second-to-last page of a lesson article.
2. Click on the title of the quiz to go to the quiz page.

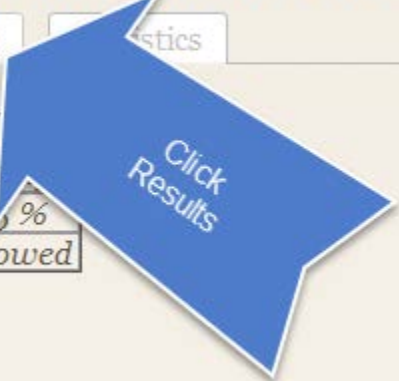
Turning on the Firewall (Windows 7)

3

View Take Results Statistics

Questions:	
Available:	Always
Pass rate:	75 %
Backwards navigation:	Allowed

Start quiz

 Click Results

3. Click on the "Results" tab to view student results.

Turning on the Firewall (Windows 7)

View Take Results Statistics

Options

Update

Special filters

Quiz results can be filtered.

Username	Started	Finished	Score	Evaluated
<input type="checkbox"/> <input type="text"/>	NO FILTER	NO FILTER	NO FILTER	NO FILTER
<input type="checkbox"/> Anonymous view delete	Sep 3 2014 - 5:32pm	Sep 3 2014 - 5:32pm (Duration: 0:00:10')	100 % Passed	Yes
<input type="checkbox"/>	Sep 3 2014 - 9:58am	Sep 3 2014 - 9:58am (Duration: 0:05:40')	100 % Passed	Yes
<input type="checkbox"/>	Nov 24 2014 - 8:28am	Nov 24 2014 - 8:28am	100 % Passed	Yes

1 Click "view" to view the quiz-taker's answers.

2

The results page shows each students' quiz results, such as the percent of questions they passed, the date and time they started, and the date and time they finished.

(1) A student's answers can be viewed by clicking "view" below their name.

(2) There are various filter options, such as for filtering quiz attempts taken on particular dates.

What Do Advisors Have Access to?

Advisors have special privileges on top of what instructors have. Advisors will also be able to view performance and statistics for the games.

Editing Lesson Articles

Advisors may edit certain parts of lesson articles.



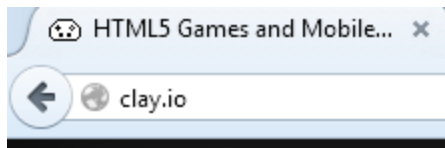
1. Go to the lesson article to edit. You can use the main menu at the top of the page to locate the desired lesson article.
2. Click on the "Edit" tab. This will take you to the page for editing the article.

The screenshot shows a web interface for editing a lesson article. At the top are 'View' and 'Edit' buttons. The 'Title' field contains 'How to Tum On Windows Firewall (Windows 7)' and is marked with a red circle '1'. A red callout bubble points to it with the text 'You may change the title.' Below the title is a large 'Body' text area. Underneath is an 'Image' section with a 'Browse...' button, an 'Upload' button, and descriptive text about image requirements. A red callout bubble points to the 'Tags' field, which is empty and marked with a red circle '2', with the text 'Add tags to make the article easier to search.' Below the tags is a 'Prezi' section with a 'Browse' link. To the left of the 'Prezi' section are three expandable panels: 'Sub and Sibling content' (showing 'No sub content or sibling content'), 'URL path settings' (showing 'No alias'), and 'Publishing options' (showing 'Not published'). The 'Publishing options' panel is marked with a red circle '3' and a blue letter 'a'. To the right of these panels is a checkbox labeled 'Premium content', which is unchecked and marked with a red circle '3' and a blue letter 'b'. A red callout bubble points to this checkbox with the text 'Marking an article as premium content restricts it to certain users.' At the bottom left is a 'Save' button.

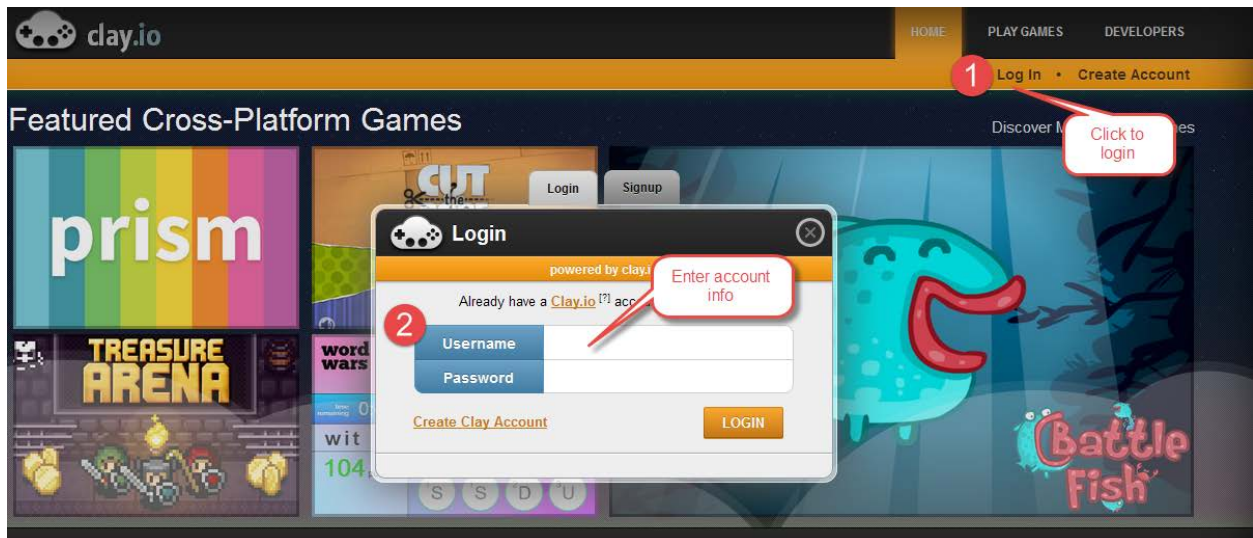
1. The title of the lesson article can be changed.
2. Adding tags to an article can make it easier to find via searching.
3. If desired, the article may be marked as "premium content" so that only certain types of users may view the page.

How to View Game Performance and Statistics?

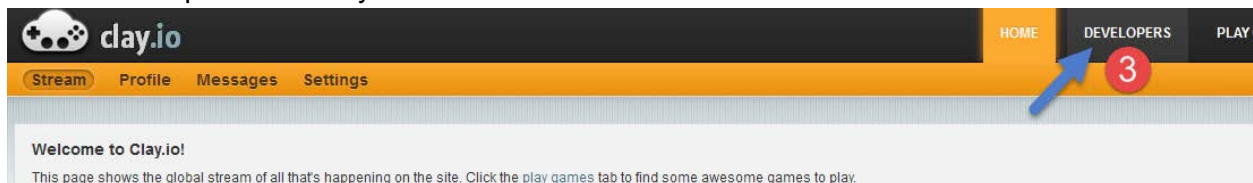
The performance and statistics data is found externally on the the clay.io website at clay.io.



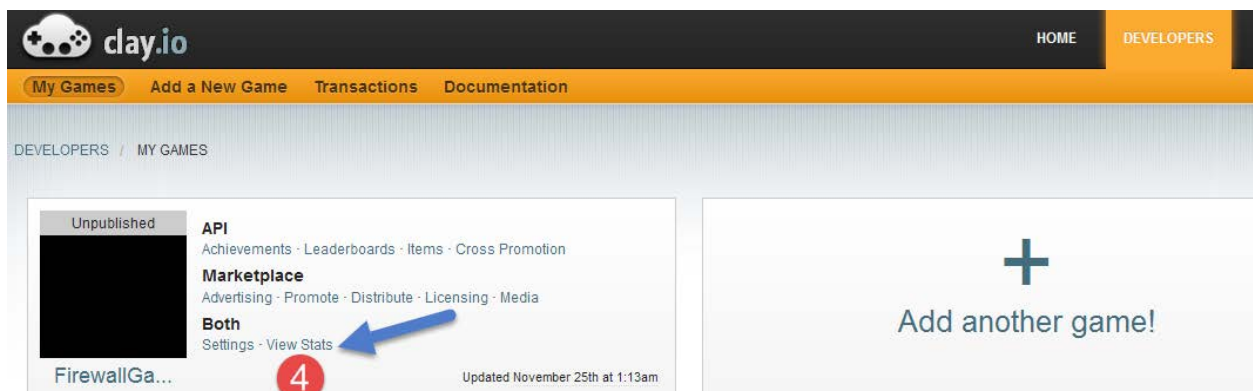
Go to clay.io on your web browser.



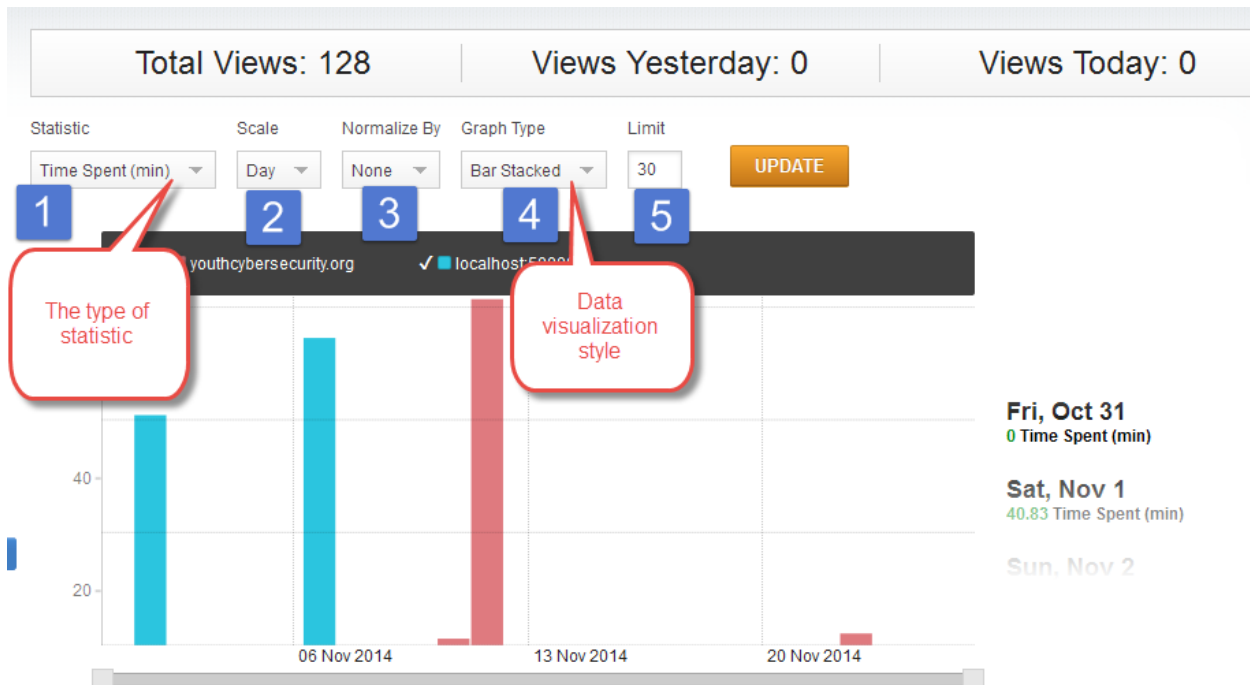
1. Click on "Log in" to make the login prompt appear.
2. Enter your designated clay.io account info. The account must be tied to the game with the statistics and performance you would like to view.



3. Click on the "Developers" tab at the top of the page.



4. Locate the game you would like to view statistics for, and click on "View Stats".



1. You can choose the type of statistic to view. For example, Time Spent will show the total amount of time that all users spent on the game.
2. The scale, such as Day, Month, or Hour.
3. Normalize the score based on other statistics.
4. Choose the type of graph to show, such as Bar, Area, or Line.
5. Limit the statistics shown to those from the past few days, months, or hours.