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# **Using rules**

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In this lab, we will create Rules to monitor the Login Activity. Below is the use case.

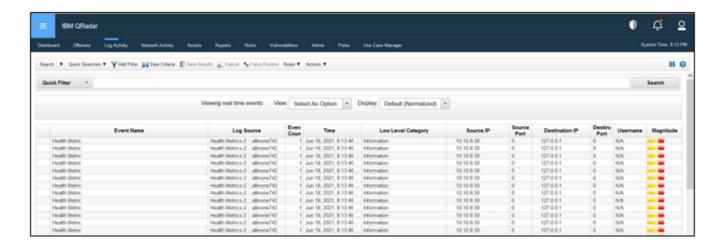
An Organization wants to monitor the user accounts of terminated employees.

- a. Create a rule to generate offenses for invalid login activities.
- b. Reference set should be used to store and look up for the usernames of terminated employees.

#### Create an Event Rule

Perform the below steps in this lab.

1. Login in the Qradar Interface, on Home page, Click the **Log Activity** tab.



2. From the Rules drop-down menu, select Rules.



3. From the **Actions** Drop-down menu, select **New Event Rule.** 



- 4. In the Rules Wizard window, click **Next** twice.
- 5. In the Rule Test Stack Editor Window, Enter the following name in the rule name field.

## Lab 5 Employees Login Activity

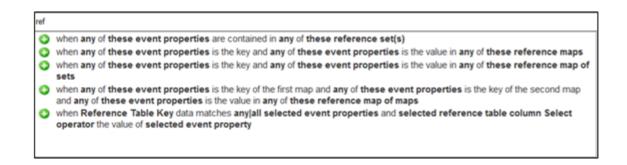


- 6. Add the following tests by clicking to the rule under these conditions:
  - when any of these event properties are contained in any of these reference set(s)
  - when an event matches any all of the following rules

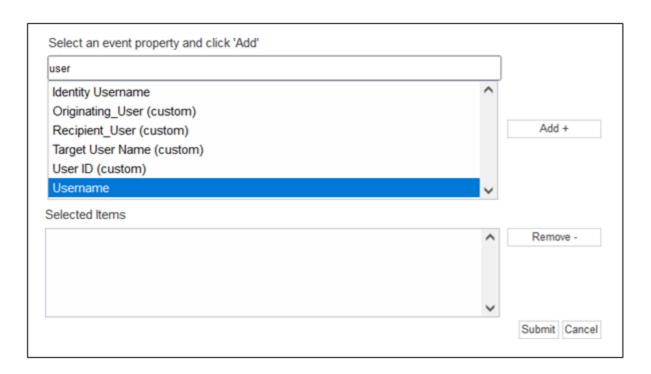


To add the first rule test, when any of these event properties are contained in any of these reference set(s), perform the following steps:

i. Filter the options in the **Test Group** list. For **Type to filter**, enter ref



- ii. Click the green **plus (+)** icon next to the when any of these event properties are contained in any of these reference set(s) test.
- iii. Click the parameter these event properties.
- iv. Filter the fields in the event property list. In the **Type to filter field,** enter user.

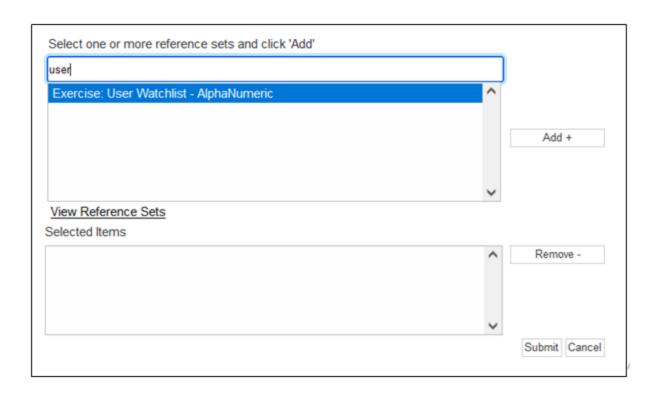


v. Select **Username** and click **Add.** 



vi. Click Submit.

- vii. Click the parameter these reference set(s).
- viii. Select the reference set Exercise: User Watchlist and click Add and Click Submit.



- 7. To add the second rule test, when an event matches any | all of the following rules, perform the following steps:
  - i. In the **Test Group** drop-down list, select **Functions Simple.**
  - ii. Click the **green plus (+)** icon next to the only test listed.



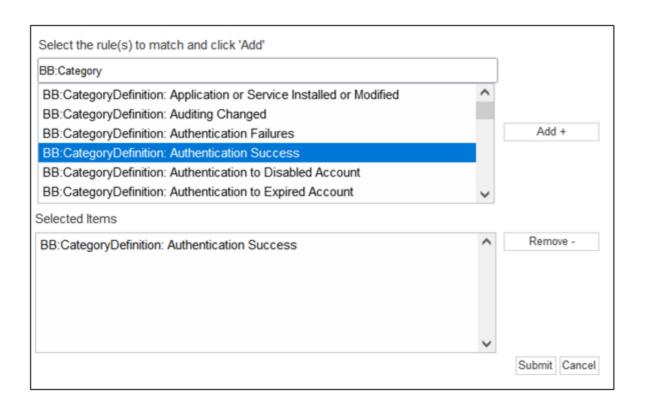
iii. Click the parameter rules.



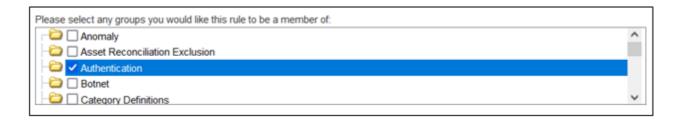
iv. Filter the options in the rules list. In the **Type to filter** field, enter the following text:

**BB: Category** 

v. Select BB: Category Definition: Authentication Success and click Add, and Click Submit.



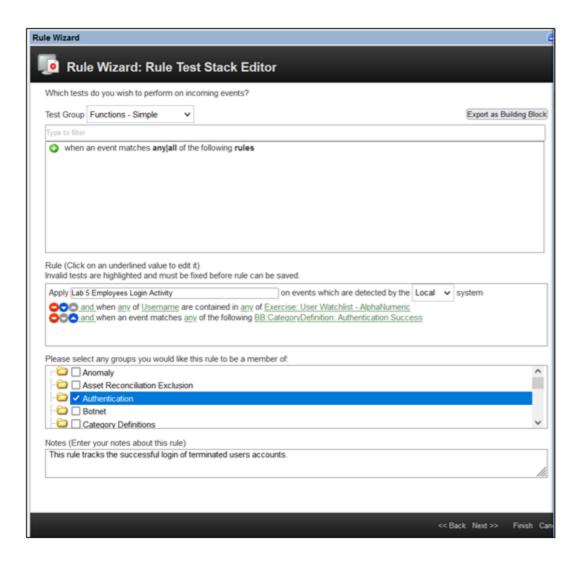
8. Assign the rule to the group **Authentication**.



9. To document the rule in the **Notes** field, enter the following text.

This rule tracks the successful login of terminated users accounts.

#### 10. Click Next.



11. Configure the rule action and response as shown below

Rule Action

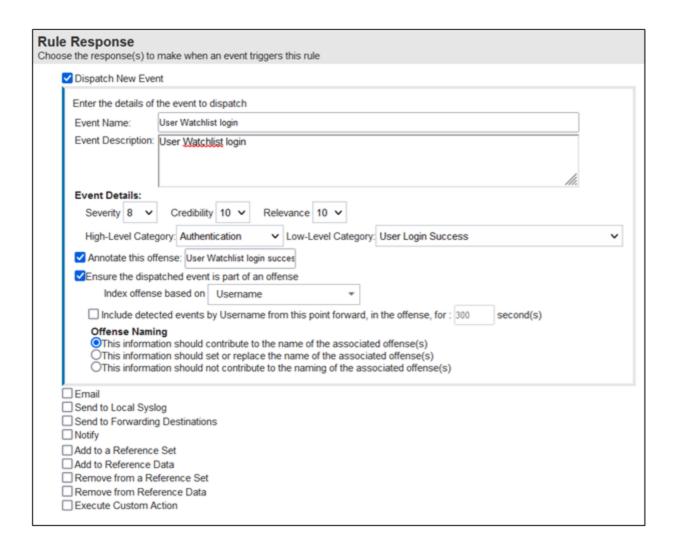
- Ensure the detected event is part of an offense: **enable**
- Index offense based on list: **Username**
- Annotate this offense: enable, User Watchlist login success
- Annotate event: enable, User Watchlist login success



# Rule Response

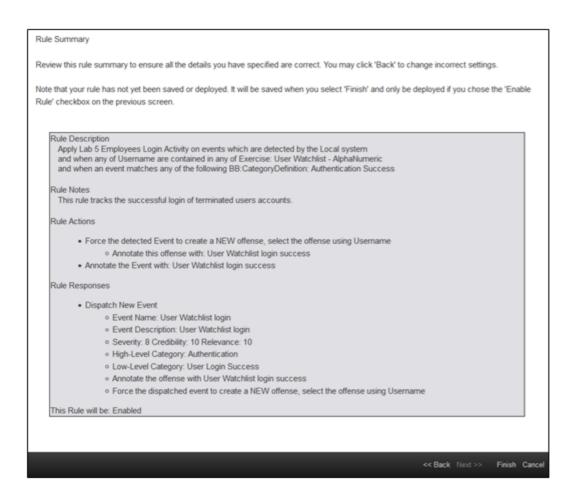
- Dispatch New Event: **enable**
- Type Event Name: User Watchlist login
- Type Event Description: User Watchlist login
- Severity: 8
- Credibility: 10
- Relevance: 10

- High Level Category: Authentication
- Low Level Category: **User Login Success**
- Annotate this offense: **enable**, **User Watchlist login success**
- Ensure the dispatched event is part of an offense: **enable**
- Index offense based on: **Username**
- This information should contribute to the naming of the associated offense(s): **enable**



### 12. Click Next.

13. Verify that your rule summary looks similar to the one in the screen capture and click Finish



- 14. Open a remote shell to the QRadar VM. Use the procedure as outlined in Running commands on the QRadar VM.
- 15. To feed prepared syslog messages to QRadar, run the following commands:

cd /labfiles

./sendWindows.sh

```
[root@allinone742 labfiles]# ./sendWindows.sh
generating 35 messages per second to 10.10.9.30:514
Ctrl-c to stop
generating 35 messages per second to 10.10.9.30:514
Ctrl-c to stop
```

Wait for five minutes and return to the Offenses tab in browser



Investigate the offenses created. Answer the following questions:

- a. How many offenses did the BQX Watchlist User Activity rule create? On the Rule list page, select the rule and look for the offense count parameter.
- b. List the user IDs that created offenses. In the QRadar user interface, double-click the Offenses tab and find offenses that have Watchlist in the description.
- c. What is the source IP address of the offenses created?

## Working with rule parameters

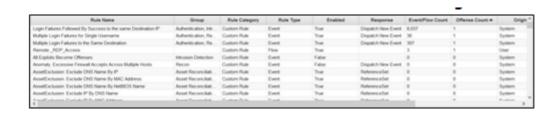
To work with the parameters of a rule, perform the following steps:

1. In the QRadar user interface, navigate to the Offenses tab.

2. Click Rules in the left pane.



3. Sort the Offense Count column in descending order, Click the header for the Offense Count column to sort in descending order.



- a. What rule created the most offenses?
- 4. On the Rules page, from the Display drop-down list, select Rules.
- 5. From the **Group** drop-down list, do **not** select any group.
- 6. In the Search Rules field, enter the following name:

BB:CategoryDefinition: Authentication Success

The Rules display lists all the rules that meet the search criteria.

7. Select several of the rules and review the rule tests.

Notice that the rules listed include the BB:CategoryDefinition: Authentication Success building block. Before editing a building block or rule, determine which other rules use it.

