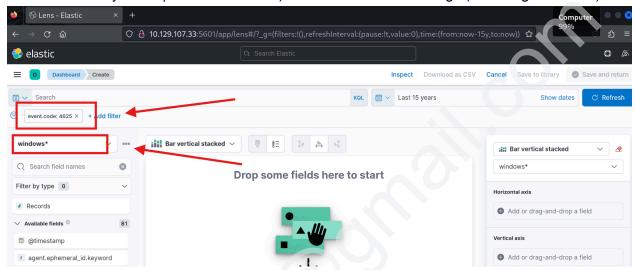
Elastic Stack As a SIEM Solution

1.Failed Logon Attempts (All Users)

- 1. Developing a New Dashboard & Visualization
 - 1.1 Create a filter to display only failed login attempts (Event ID 4625 failed logins on Windows systems | event.code 4625) from Windows-related logs (matching windows*).

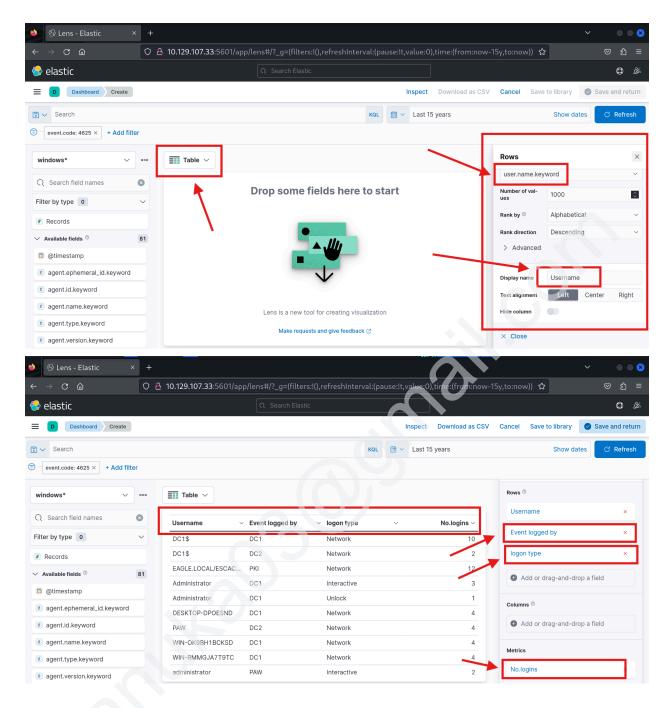


1.2 Select the Visualization type as "Table"

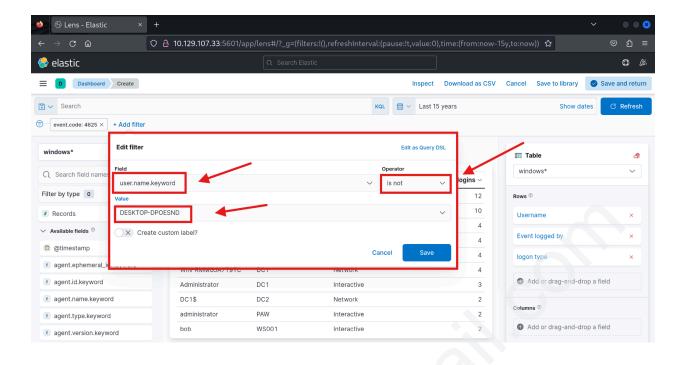
And Create Table Rows,

- Row 1 user.name.keyword renamed as Username
- Row 2 host.name.keyword renamed as Event logged by
- Row 3 winlog.logon.type.keyword renamed as logon type
- Row 4 Metrics renamed as No.logins

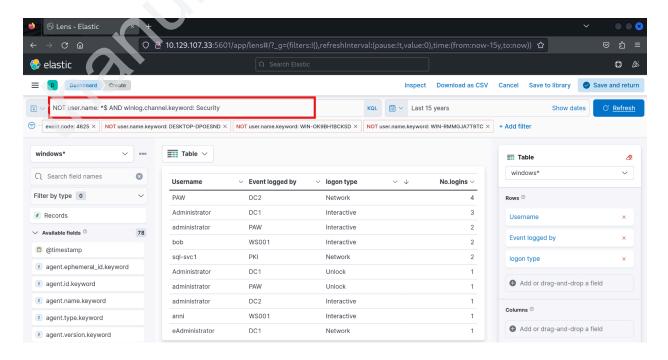
It shows **which user** logged in, **which host** generated the event, the **type of logon** (like interactive or remote), and the **number of times** each type of login occurred.



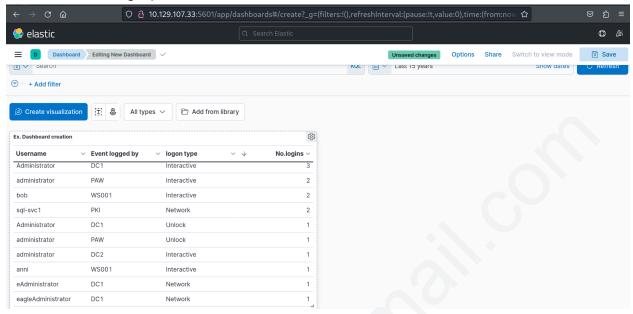
1.3 Add a filter to exclude username DESKTOP-DPOESND.(WIN-OK9BH1BCKSD, and WIN-RMMGJA7T9TC also excluded later)



1.4 This filter excludes events without a username and ensures only security-related logon events are shown, making the data more relevant and focused.

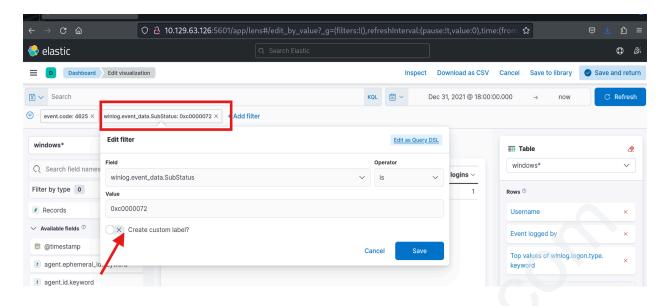


1.5 Finally, This dashboard displays filtered Windows security logon events to highlight valid user login attempts, showing who logged in, from where, how, and how often—helping detect unusual or failed login patterns.



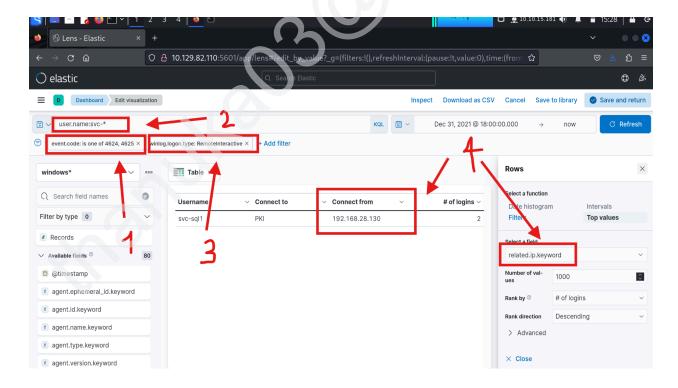
2. Failed Logon Attempts (Disabled Users)

- 2.1. Modify the dashboard to visualize Failed logon attempts on Disabled Users .
- ** when set to 0xC0000072, that the failure is due to a logon with disabled user.



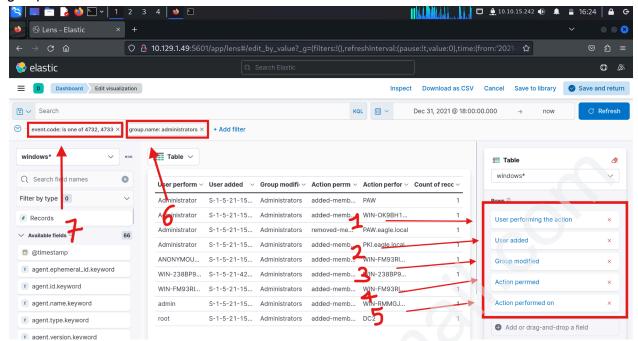
3. Successful RDP logon related to the Service Accounts

- 3.1. Creating a visualization to monitor successful **RDP logons** specifically related to **service accounts**(Service accounts are start with svc-)
 - 1) event.code: 4624 Account was successfully logon
 - 2) user.name:svc- To filter service account logons only
 - 3) winlog.logon.type:Remoteinteractive To filter only Remote logons
 - 4) related.ip.keyword IP address of the service account



4. User Added or Removed from a Local group (Within a specific Timeframe)

4.1 Creating a visualization to monitor user addition or removal from the local "Administrator" group from 5th 2023



- 7) 4732 member is added to a security enabled local group
 - 4733 member is removed from a security enabled local group
- 6) **group.name:administrators** display user additions or removal from the local "Administrator" group
- 1) user.name.keyword who did
- 2) winlog.event_data.MemberSid.keyword which user was added to or removed
- 3) group.name.keyword in which group does this happens?
- 4) event.action.keyword was the user added to or removed from the group
- 5) host.name.keyword which machine did the action occur?
- 4.2 Customizing the Timeframe from 5th March 2023 to Now

