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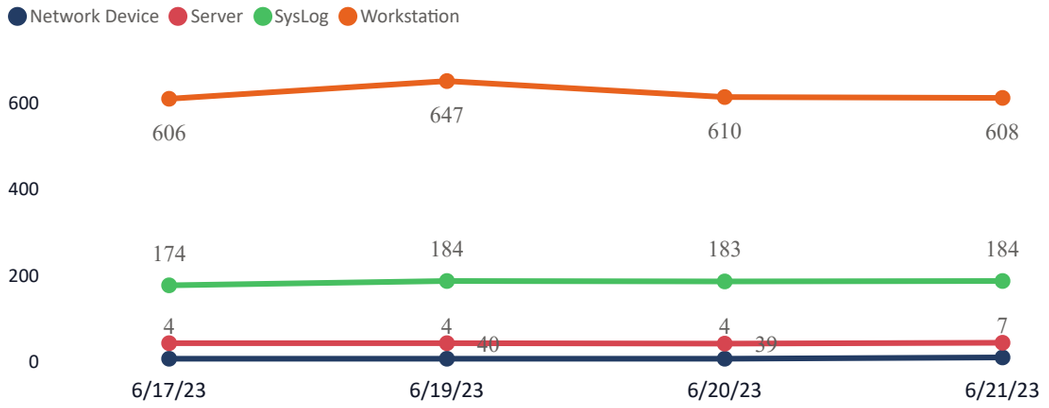
Netsurion's SOC escalated a major security alert to the customer noting suspicious activity originating from Contososrv01, please refer to the AD Login Failed tab for more information. Netsurion's SOC also discovered suspicious activity coming from a malicious process masquerading as legit. Please refer to the Threat Insights page for more information.

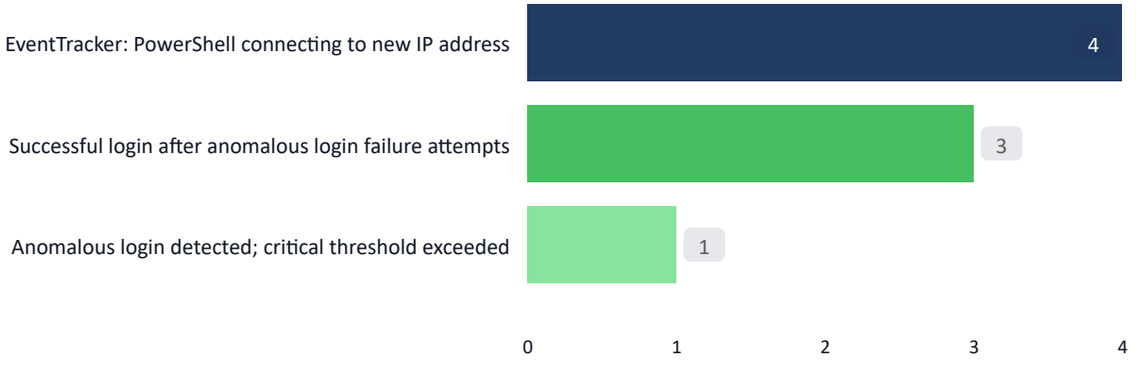
Service Summary: Managed XDR Enterprise Edition, Daily TIR report, Daily Threat Hunting, Incident and Audit Support
Result Summary: Netsurion's SOC generated **35 P1 Alerts** in your environment of those, 8 were escalated to you

Total Devices	Non-Reporting Devices for 30+ Days	Total Events Ingested	Total P-1 Alerts	Alerts Escalated
4961	528	1060M	35	8

Non Reporting Device Trend



Escalated to Customer Alerts



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Additional findings based on Netsurion's SOC review are listed below. For a complete description and recommendations to address the findings please see **<link to additional information>**

Threat	Severity	Observations	Actions
Brute force attempt	**Critical**	**"Netsurion SOC has observed multiple failed log-in attempts on Contososrv02. The usernames used for logins are guest, builtin, backuponly and anonymous and so on. Mention in the below table. There is around 3K+ login attempts have been made and all of them are network-based logins."**	
Dictionary attack detected	**High**	**Netsurion SOC detected an unknown process with Bad Hash on the system Contososrv03. We observed two unsafe processes from the same product Lavasoft Software Canada Inc. with bad Hash executed on the system Contososrv03 by the user SEQUEL\sqadmin1.**	
Email account compromise	**High**	**SOC observed email traffic from the external IP addresses 102.221.237.43(Nigeria) and 47.201.115.180(US) delivered to several recipients within the organization and outside as well within a short interval of time.**	
Emotet Trojan detected	**High**	**SOC observed Suspicious Net logon Attempts on the below-listed domain controllers with the hostname Mimikatz and Emotet Trojan behavior activities are exhibited on DT5000181**	
Malicious process masquerading as legit:	**Critical**	**Netsurion SOC observed Suspicious Network logon failures from multiple external IP addresses using multiple usernames, all the login attempts were from outside United States on the system Contososrv01 due to the multiple reasons. Note: Soc observed that during this event the system was assigned public IP 75.70.201.44 and we observed successful login from this user Smith on the system Contososrv01.**	

NOTE: Severity is calculated as Asset Value + Threat Magnitude + Threat Vector + Supported Logs

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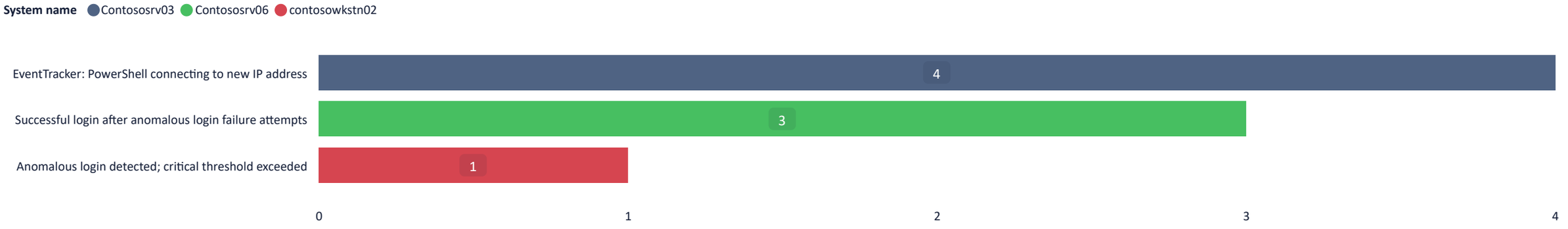
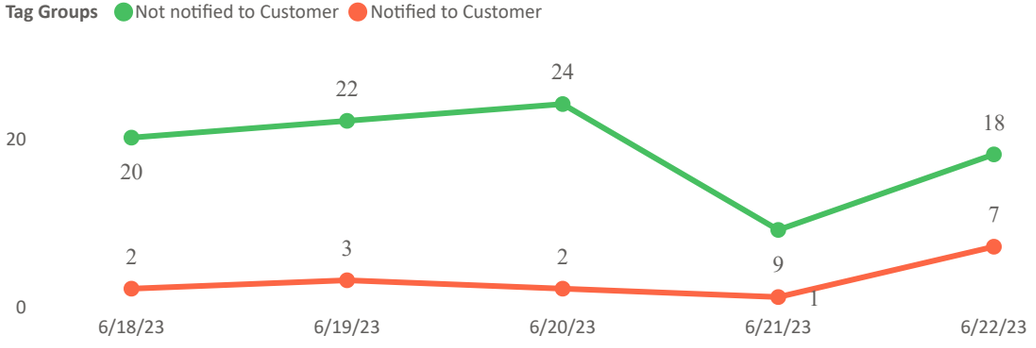
Netsurion's SOC escalated 7 P1 alerts to the customer noting suspicious activity. Netsurion's SOC also reviewed 11 additional P1's that were analyzed by the SOC and determined to be false positives.

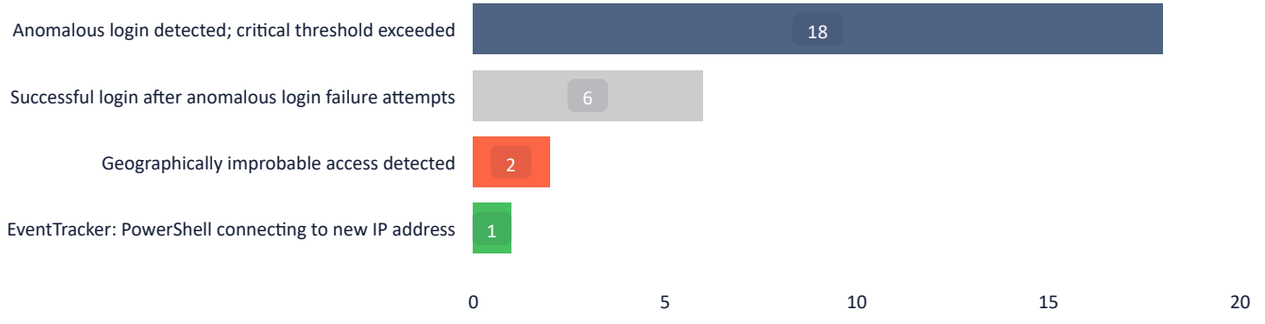
Alerts Escalated to Customer by System Name



P1 Alert Trend



Threats Mitigated by Existing Security Controls



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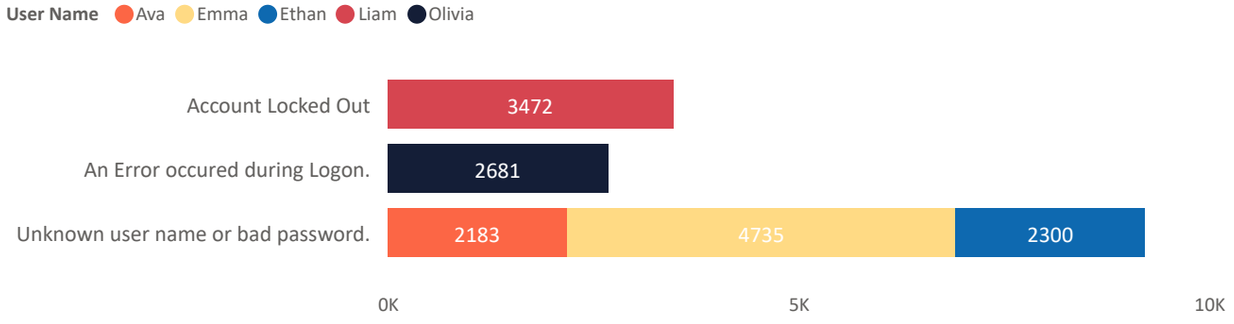
Netsurion's SOC observed Suspicious Network logon failures from contososrv01 which exhibited the brute force/dictionary login patters, Upon performing further log search, we didn't any successful logins (or) Upon Performing log search, we observed a successful access gaining activity followed by credential dumping.

Netsurion's SOC identified lateral movement activities and sent a separate notification on the activities performed.

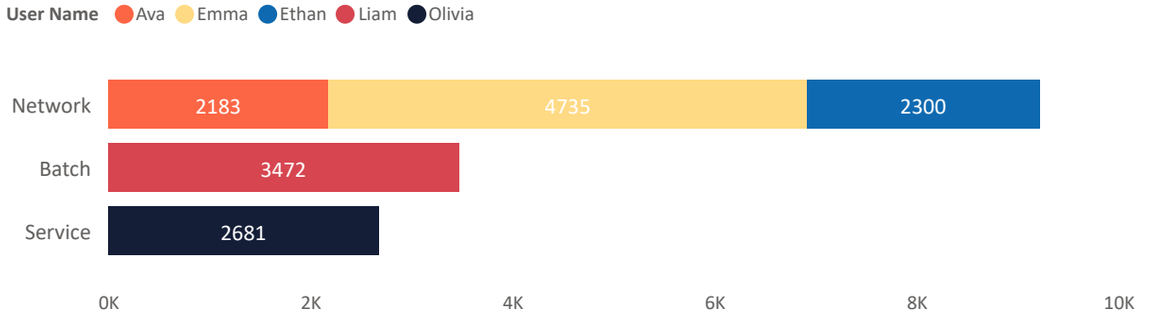
Recommendations:

Netsurion's SOC recommends changing the password for the compromised account.

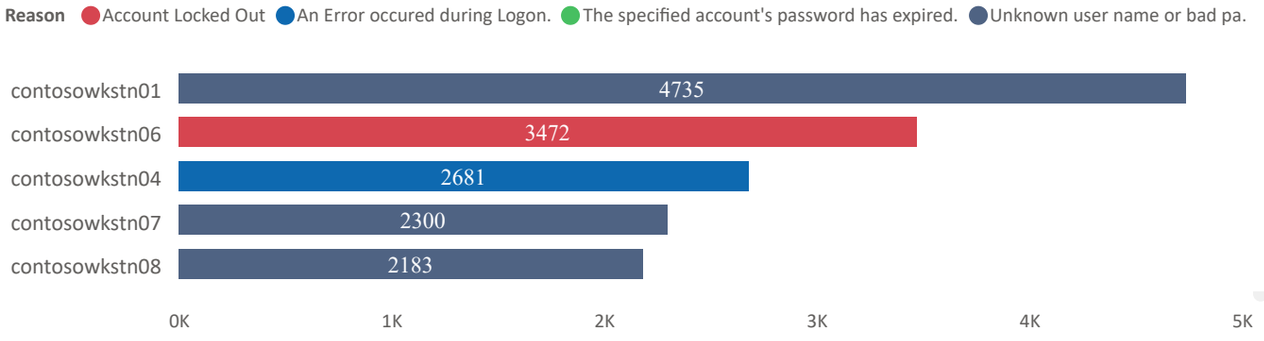
Top Reason



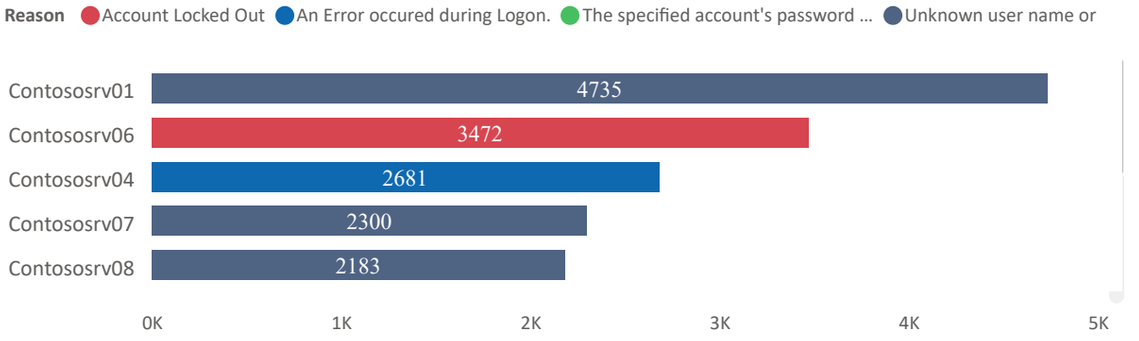
Logon Type by Username



Destination - Workstation Name



Source Computer



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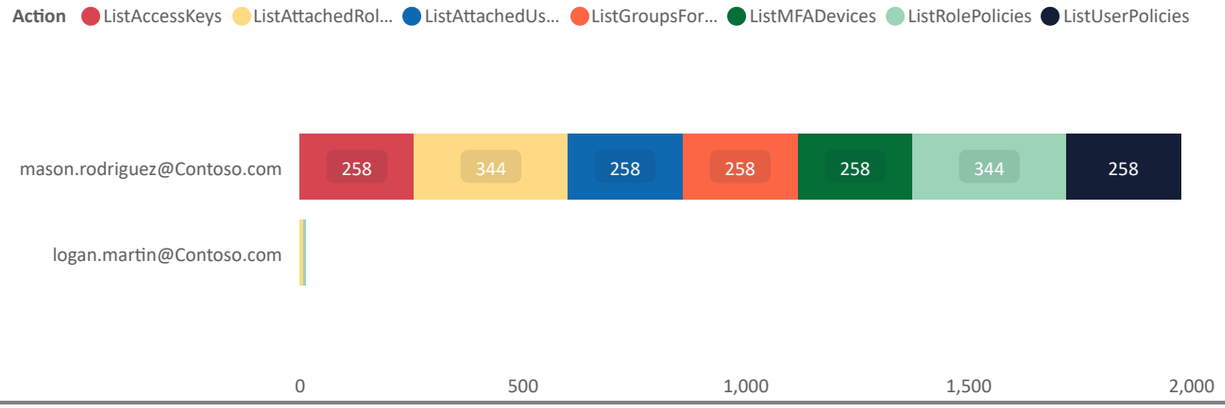
Netsurion's SOC researched the actions across IAM, EC2 security group and EC2 VPC change activities. Netsurion's SOC did not observe any unusual activity.

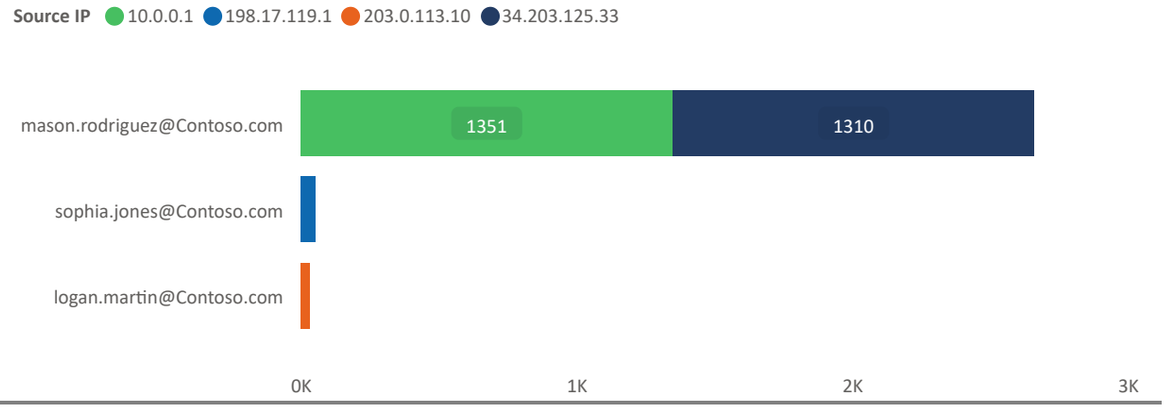
Recommendations:

Netsurion's SOC recommends to verify whether the activities below are approved and authorized.

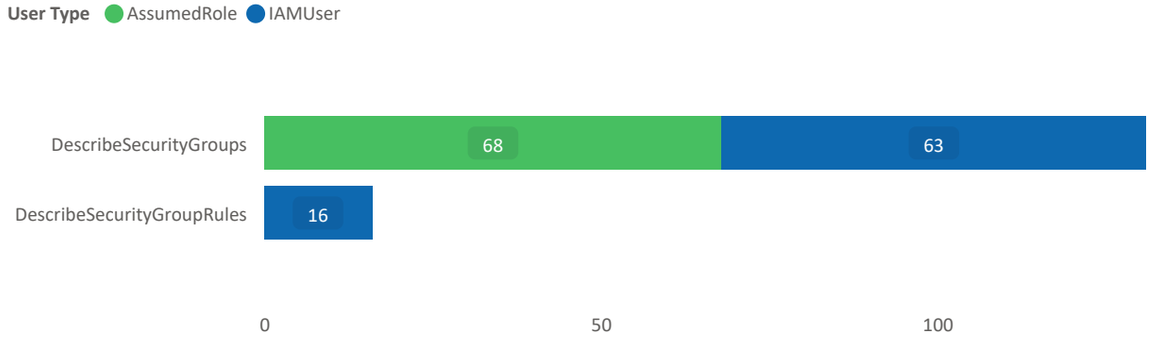
AWS IAM Activities - User Name by Action



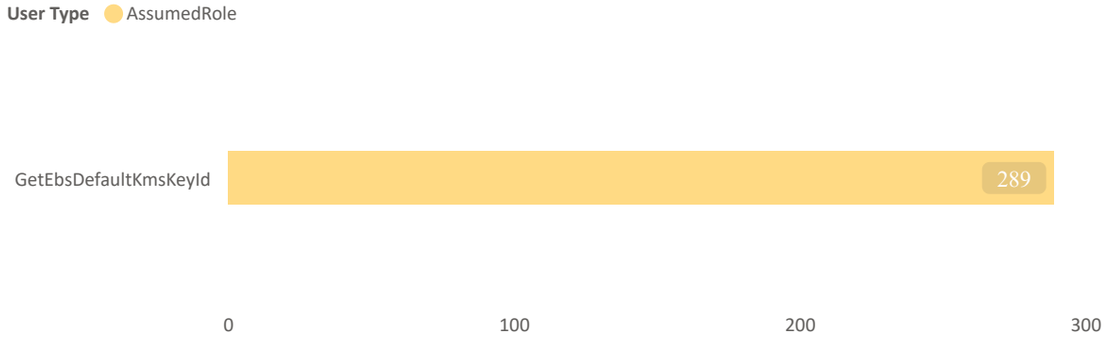
AWS IAM Activities - User Name by Source IP



Amazon EC2 Security Group - Action by User Type



Amazon EC2 VPC Changes - Action By User Type



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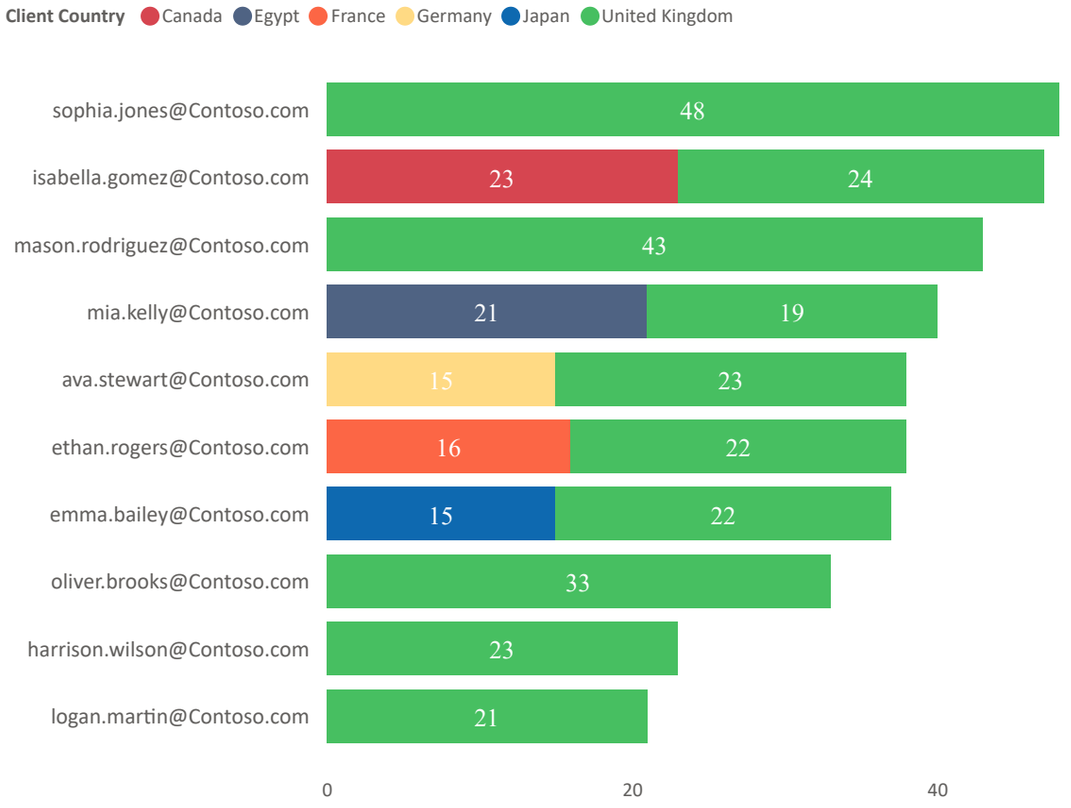
Netsurion's SOC observed successful logins from non-business countries Canada & Germany. Netsurion's SOC performed further analysis on the activities performed by the suspected use accounts and not other critical actions performed by the users.

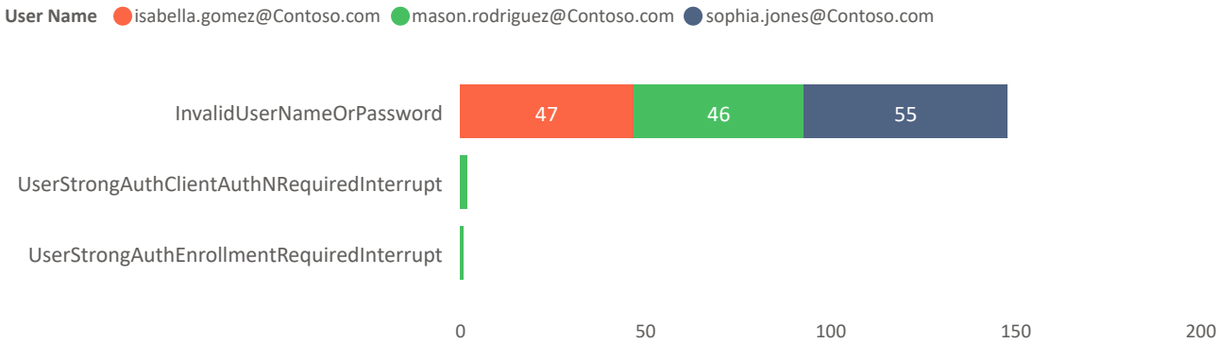
Recommendations:

If this is not a legitimate login, reset the password for those users immediately, validate the permissions assigned and ensure that the MFA is enabled.

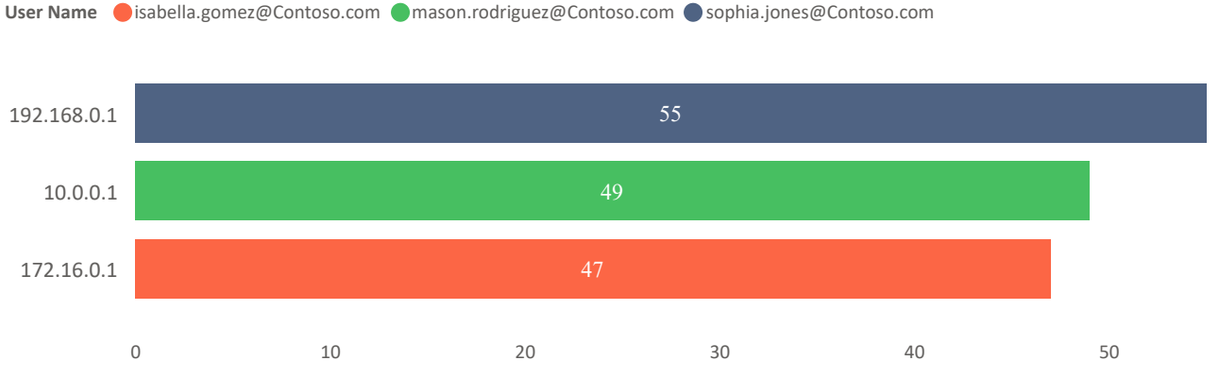
Top Login Failure by Users



Top Login Failure Reasons



Client IP by Username



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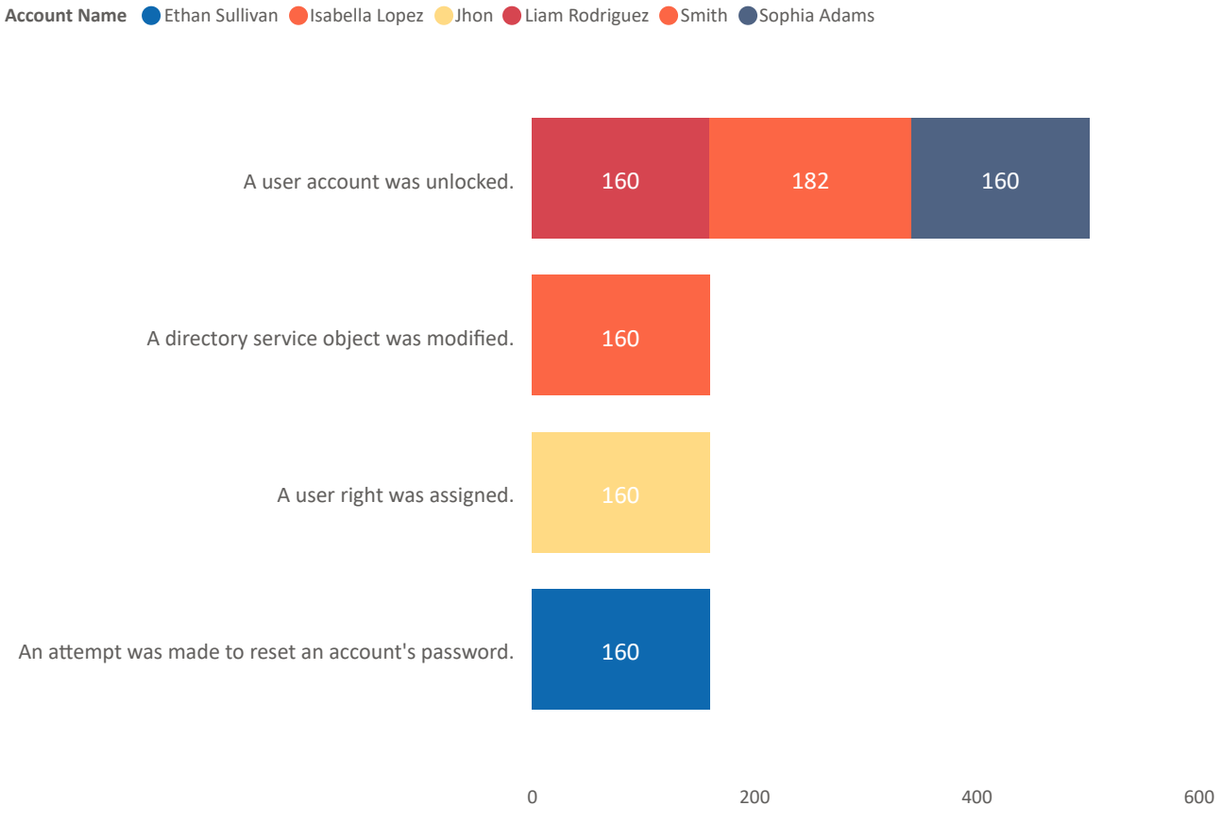
Netsurion's SOC observed the following active directory administrator activities as listed below. Major activities are associated with unlocking operation by user Smith. Netsurion's SOC performed further analysis on the activities performed by user Smith and identified no critical active directory changes performed by user Smith.

Action by User



Administrator by Target Account Name