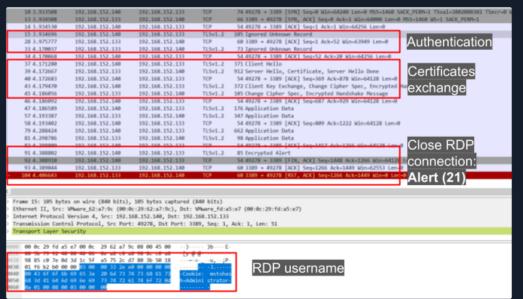
DETECTING WINDOWS ATTACKS WITH SPLUNK

Page 12 / Detecting RDP Brute Force Attacks

## **Detecting RDP Brute Force Attacks**

We often encounter Remote Desktop Protocol (RDP) brute force attacks as a favorite vector for attackers to gain initial foothold in a network. The concept of an RDP brute force attack is relatively straightforward: attackers attempt to login into a Remote Desktop session by systematically guessing and trying different passwords until they find the correct one. This method exploits the fact that many users often have weak or default passwords that are easy to guess.

### **How RDP Traffic Looks Like**



Let's now navigate to the bottom of this section and click on "Click here to spawn the target system!". Then, access the Splunk interface at https://[Target IP]:8000 and launch the Search & Reporting Splunk application. The vast majority of searches covered from this point up to end of this section can be replicated inside the target, offering a more comprehensive grasp of the topics presented.

Additionally, we can access the spawned target via RDP as outlined below. All files, logs, and PCAP files related to the covered attacks can be found in the /home/htb-student and /home/htb-student/module\_files directories.

Detecting RDP Brute Force Attacks
MisaelMacias@htb[/htb]\$ xfreerdp /u:htb-student /p:'HTB\_@cademy\_stdnt!' /v:[Target IP] /dynamic-res

#### **Related Evidence**

- Related Directory: /home/htb-student/module\_files/rdp\_bruteforce
- Related Splunk Index: rdp\_bruteforce
- Related Splunk Sourcetype: bro:rdp:json

## **Detecting RDP Brute Force Attacks With Splunk & Zeek Logs**

Now let's explore how we can identify RDP brute force attacks, using Splunk and Zeek logs.



# Leveraging Windows Event Logs **Detecting Common** User/Domain Recon Detecting Password Spraying Detecting Responder-like **Attacks** Detecting Kerberoasting/AS-REProasting Detecting Pass-the-Hash Detecting Pass-the-Ticket Detecting Overpass-the-Hash **Detecting Golden** Tickets/Silver Tickets Detecting Unconstrained Delegation/Constrained Delegation Detecting DCSync/DCShadow





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1	Detecting Kerberoasting	

•	Detecting Golden Tickets

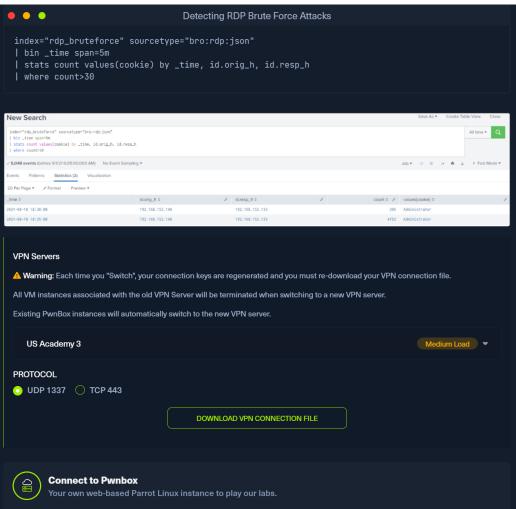
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PSI	Exec

•	Detecting Zerologon	×
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8	Detecting Exfiltration (HTTP)

•	Detecting Exfiltration (DNS)	
•	Detecting Ransomware	

Skills Assessment



Pwnbox Location

UK

