Investigating with Splunk

SOC Analyst Johny has observed some anomalous behaviours in the logs of a few windows machines. It looks like the adversary has access to some of these machines and successfully created some backdoor. His manager has asked him to pull those logs from suspected hosts and ingest them into Splunk for quick investigation. Our task as SOC Analyst is to examine the logs and identify the anomalies.

index=main

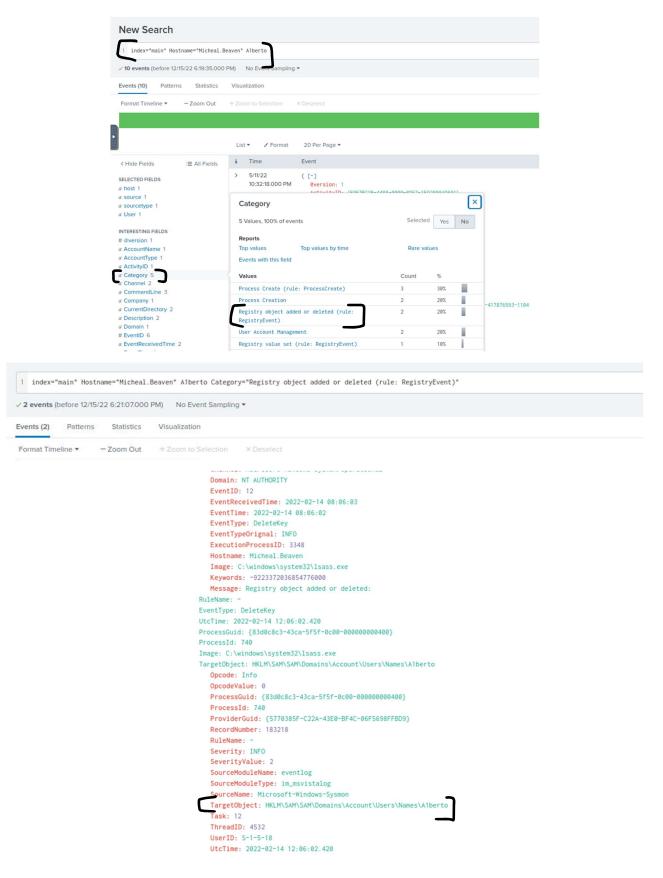
1) On one of the infected hosts, the adversary was successful in creating a backdoor user. What is the new username?

```
i Time
                      Event
   5/11/22
                { [-]
     10:32:18.000 PM
                        @version: 1
                         AccountExpires: %%1794
                         ActivityID: {E0F7BC1B-4488-0000-8D57-1F92808AD601}
                         AllowedToDelegateTo: -
                         Category: User Account Management
                         Channel: Security
                                                                        User creation – Event ID 4720
                         DisplayName: %%1793
                         EventID: 4720
                         EventReceivedTime: 2022-02-14 08:06:03
                         EventTime: 2022-02-14 08:06:02
                         EventType: AUDIT_SUCCESS
                         ExecutionProcessID: 740
                         HomeDirectory: %%1793
                         HomePath: %%1793
                         Hostname: Micheal.Beaven
                         Keywords: -9214364837600035000
                         LogonHours: %%1797
                      Message: A user account was created.
                                                  S-1-5-21-4020993649-1037605423-417876593-1104
James
                              Security ID:
                              Account Name:
                              Account Domain: Cybertees
                             Logon ID:
                                                     0x551686
                      New Account:
                            Security ID: S-1-5-21-1969843730-2406867588-1543852148-1000
Account Name: Alberto
Account Domain: WORKSTATION6
```

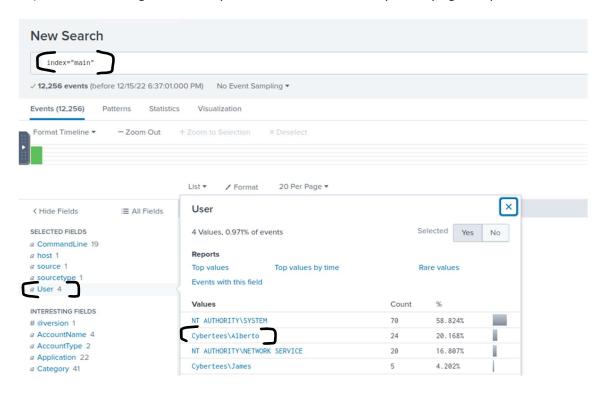
2) On the same host, a registry key was also updated regarding the new backdoor user. What is the full path of that registry key?

Hostname: Michael.Beaven (from user account creation)

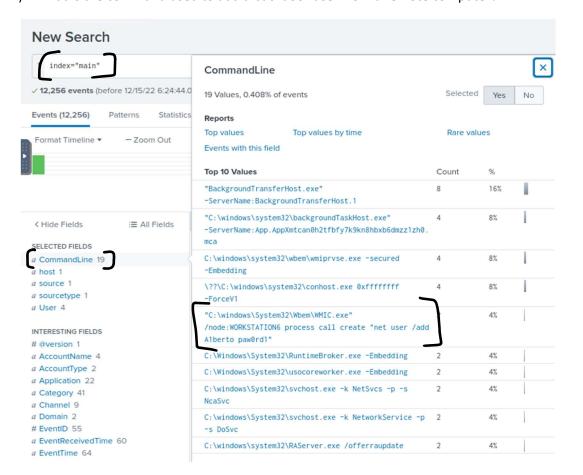
Backdoor user: A1berto

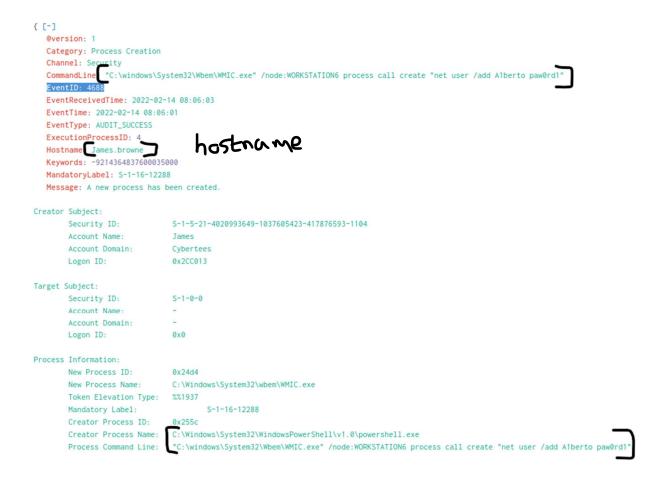


3) Examine the logs and identify the user that the adversary was trying to impersonate.

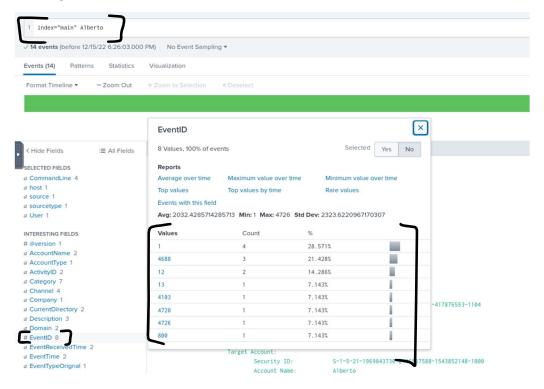


4) What is the command used to add a backdoor user from a remote computer?





5) How many times was the login attempt from the backdoor user observed during the investigation?



Event ID 4625 documents every failed attempt at logging on to a local computer.

0 events for Event ID 4625 - A1berto

6) PowerShell logging is enabled on this device. How many events were logged for the malicious PowerShell execution?

