```
The purpose of this cheat sheet is to cover commonly used threat hunting queries that can be used with Microsoft Threat Protection. Microsoft Threat Protection has a threat hunting capability that is called Advance Hunting (AH). AH is based on Azure Kusto Ouerv Language (KOL).
 Email (Office 365 ATP)
                                                                                                                                             you are looking for an KQL cheat sheet click here. Special thanks
                                                                                                                                                rosoftMTP who contributed to this work.

d Apps (MCAS)
                                                                                                                                    to @PowershellPoo
  Pull SHA256 out of text file and look for 
Email attachments that matches the SHA256. 
Author: @pawp81
                                                                                                                                   Cloud Apps (MCAS)
                                                                                                                                    Identify which files within the last 24 hours had more then 10 data access, download or deletion activities on MCAS-protected applications. Author:
                                                                                                                                                                                                                                                         Find Active Directory user accounts that have been inactive for more than 14 days. Author: @MiladMSFT
   let abuse_sha256 =
(externaldata(sha256_hash: string )
[@"https://bazaar.abuse.ch/export/txt/sha2
    56/recent/"]
with (format="txt"))
                                                                                                                                                                                                                                                        IdentityLogonEvents
| project Timestamp, AccountName,
DeviceName, LogonType
| summarize LastLogon = max(Timestamp)
                                                                                                                                     @MiladMSFT
       where sha256_hash !startswith "#" project sha256_hash;
                                                                                                                                    Applied Televistam > ago(1d) | where Timestamp > ago(1d) | summarize count() by FolderPath, FileName, ActionType, AccountDisplayName | where count_ > 10
       puse_sha256
join (EmailAttachmentInfo
                                                                                                                                                                                                                                                          by AccountName, LogonType, DeviceName
| where LastLogon < ago(14d)
       where Timestamp > ago(1d)
on $left.sha256_hash == $right.SHA256
      project Timestamp, SenderFromAddress
RecipientEmailAddress, FileName, FileType, S
                                                                                                                                  Endpoint (Microsoft Defender ATP)
                                                                                                                                   Find endpoints communicating to a specific domain Author: @maarten_goet
                                                                                                                                    let Domain = "http://domain.com";
DeviceNetworkEvents
| where Timestamp > ago(7d) and RemoteUrl contains Domain
| project Timestamp, DeviceName, RemotePort, RemoteUrl
  Lookup for emails coming into the organization from an external source that was targeted to more than 50 distinct
  EmailEvents
| where SenderFromDomain !=
"corporatedomain.com"
| summarize dcount(RecipientEmailAddress)
by SenderFromAddress, NetworkMessageId,
AttachmentCount, SendTime = Timestamp
| where dcount_RecipientEmailAddress > 50
                                                                                                                                   Finds PowerShell execution events that could involve a download Author: @MicrosoftMTP
                                                                                                                                    union DeviceProcessEvents, DeviceNetworkEvents
| where Timestamp > ago(7d)
| where FileName in~ ("powershell.exe", "powershell_ise.exe")
| where ProcessCommandLine has_any("WebClient",
  Lookup for all emails within last 7 days where the malware verdict was Malware.
Author: @MiladMSFT
                                                                                                                                     "DownloadFile", "DownloadData",
                                                                                                                                     "DownloadString",
'WebRequest",
'Shellcode",
       where Timestamp > ago(7d)
where MalwareFilterVerdict == "Malware"
                                                                                                                                    'http",
'https")
      project incestamp,
enderMailFromAddress,
ecipientEmailAddress,
alwareDetectionMethod, DeliveryAction
                                                                                                                                    .
InitiatingProcessCommandLine,
FileName, ProcessCommandLine, RemoteIP, RemoteUrl, RemotePort, RemoteIPType
                                                                                                                                      ileName, ProcessComma
top 100 by Timestamp
Hvbrid
                                                                                                                                   Find created scheduled tasks Author: @maarten_goet
  Identity + Endpoint: Lookup processes that performed LDAP auth. with cleartext passwords. Author: @MicrosoftMTP
                                                                                                                                    | where FolderPath endswith "\\schtasks.exe" and ProcessCommandLine has "
/create " and AccountName != "system"
| where Timestamp > ago(7d)
    IdentityLogonEvents
| where Timestamp > ago(7d)
| where LogonType == "LDAP cleartext" and
     where Logarity and the control of th
                                                                                                                                    Find possible clear text passwords in Windows registry. Author: @MicrosoftMTP
                                                                                                                                      where ActionType == "RegistryValueSet"
where RegistryValueName == "DefaultPassword"
where RegistryKey has @"SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon"
project Timestamp, DeviceName, RegistryKey
top 100 by Timestamp
       ogonrype
join kind=inner (
eviceNetworkEvents
where Timestamp > ago(7d)
where ActionType == "Conne
     extend DeviceName =
coupper(trim(@"\..*$",DeviceName))
where RemotePort == "389"
project NetworkConnectionTime =
                                                                                                                                    Lookup process executed from binary hidden in Base64 encoded file. Author:
                                                                                                                                  Timestamp, DeviceName, AccountName =
InitiatingProcessAccountName,
InitiatingProcessFileName,
InitiatingProcessCommandLine
    where LogonTime - NetworkConnectionTime between (-2m .. 2m)
| project Application, LogonType, LogonTime, DeviceName, AccountName, InitiatingProcessFileName, InitiatingProcessCommandLine
                                                                                                                                   identify strings in process command lines which match Base64 encoding format, extract the string to a column called Base64,a nd decode it in a column called DecodedString. Author: @PowershellPoet
  Find processes that sent SAMR queries to
                                                                                                                                   DeviceProcessEvents
| extend SplitLaunchString = split(ProcessCommandLine, " ")
| mvexpand SplitLaunchString
| where SplitLaunchString matches regex "^[A-Za-z0-9+/]{50,}[=]{0,2}$"
| extend Base64 = tostring(SplitLaunchString)
| extend DecodedString = base64_decodestring(Base64)
     where Timestamp > ago(7d)
where ActionType == "SamrQuery!
nd isnotempty(AccountName)
project QueryTime = Timestamp,
eviceName, AccountName, Query,
ueryTarget
                                                                                                                                   identifies applications which leverage a command line pattern which matches the 7zip and WinRAR command line executables to create or update an archive when a password is specified. Author: @PowershellPoet
      join kind=inner (
eviceProcessEvents
      evicerrocessevents
where Timestamp > ago(7d)
extend DeviceName =
oupper(trim(@"\..*$",DeviceName))
where InitiatingProcessCommandLine
ontains "net.exe"
project ProcessCreationTime = Timestamp,
                                                                                                                                    | where ProcessCommandLine matches regex @"\s[aukfAUKF]\s.*\s-p" // Basic filter to look for launch string
                                                                                                                                     DeviceName, AccountName,
InitiatingProcessFileName,
InitiatingProcessCommandLine
       on DeviceName, AccountName where ProcessCreationTime - QueryTime
      etween (-2m . 2m)
project QueryTime, DeviceName,
ccountName, InitiatingProcessFileName,
nitiatingProcessCommandLine, Query,
                                                                                                                                     strlen(SplitLaunchString))
| project-reorder ProcessCommandLine, ArchivePassword // Promote these fields to
```

MTP Advance Hunting Cheat Sheet v0.1 | https://github.com/MiladMSFT/AdvHuntingCheatSheet | @MiladMSFT