```
Microsoft Threat Protection. Microsoft Threat Protection has a threat hunting capability that is called
             Hunting (AH). AH is based on A
                                                                                Kusto Ouerv
                                                                                                         anguage (KOL
                                                                                you are looking for an KQL cheat sheet click <a href="here">here</a>. Special thanks
 Email (Office 365 ATP)
                                                                           to @PowershellPoet, @pawp81, @maarten goet, @Bakk3rM and @MicrosoftMTP who contributed to this work.
 Pull SHA256 out of text file and look for
 Email attachments that matches the SHA256.
                                                                           Cloud Apps (MCAS)
                                                                                                                                              Identity (Azure ATP)
 Author: @pawp81
                                                                           Identify which files within the last 24 hours had more then 10 data access, download or deletion activities on
                                                                                                                                             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
                                                                            MCAS-protected applications. Author:
 56/recent/"]
                                                                                                                                              IdentityLogonEvents
| project Timestamp, AccountName,
 with (format="txt"))
                                                                           @MiladMSFT
   where sha256_hash !startswith "#" project sha256_hash;
                                                                            AppFileEvents
                                                                                                                                             DeviceName, LogonType
| summarize LastLogon = max(Timestamp)
                                                                              where Timestamp > ago(1d)
 abuse_sha256
                                                                                                                                              by AccountName, LogonType, DeviceName
| where LastLogon < ago(14d)
                                                                              summarize count() by FolderPath,
   join (EmailAttachmentInfo
   where Timestamp > ago(1d)
on $left.sha256_hash == $right.SHA256
                                                                            FileName. ActionType.
                                                                           AccountDisplayName | where count_ > 10
 | project Timestamp, SenderFromAddress
, RecipientEmailAddress, FileName, FileType, S
                                                                           Endpoint (Microsoft Defender ATP)
 MalwareFilterVerdict,MalwareDetectionMetho
                                                                           Find endpoints communicating to a specific domain
                                                                           Author: @maarten goet
 Lookup for emails coming into the organization from an external source that was targeted to more than 50 distinct
                                                                           let Domain = "http://domain.com";
                                                                          DeviceNetworkEvents
| where Timestamp > ago(7d) and RemoteUrl contains Domain
| project Timestamp, DeviceName, RemotePort, RemoteUrl
 corporate users. Author: @MiladMSFT
                                                                           | top 100 by Timestamp desc
 | where SenderFromDomain !=
                                                                          Finds PowerShell execution events that could involve a download Author:
   corporatedomain.com'
                                                                          @MicrosoftMTP
   summarize dcount(RecipientEmailAddress)
 by SenderFromAddress, NetworkMessageId,
AttachmentCount, SendTime = Timestamp
| where dcount_RecipientEmailAddress > 50
                                                                          union DeviceProcessEvents, DeviceNetworkEvents
                                                                             where Timestamp > ago(7d) where FileName in~ ("powershell.exe", "powershell_ise.exe")
                                                                            where ProcessCommandLine has_any("WebClient",
"DownloadFile",
 Lookup for all emails within last 7 days
 where the malware verdict was Malware
Author: @MiladMSFT
                                                                            "DownloadData"
                                                                            "DownloadString",
                                                                           "WebRequest",
 EmailEvents
                                                                            'Shellcode".
   where Timestamp > ago(7d)
where MalwareFilterVerdict == "Malware"
                                                                           "http",
"https")
   project Timestamp,
                                                                           | project Timestamp, DeviceName, InitiatingProcessFileName,
                                                                          InitiatingProcessCommandLine,
FileName, ProcessCommandLine, RemoteIP, RemoteUrl, RemotePort, RemoteIPType
 SenderMailFromAddress
RecipientEmailAddress,
MalwareDetectionMethod, DeliveryAction
                                                                           | top 100 by Timestamp
Hybrid
                                                                          Find created scheduled tasks Author: @maarten_goet
 Identity + Endpoint: Lookup processes that performed LDAP auth. with cleartext passwords. Author: @MicrosoftMTP
                                                                          DeviceProcessEvents
                                                                          | 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
 isnotempty(AccountName)
| project LogonTime = Timestamp,
                                                                           Find possible clear text passwords in Windows registry. Author: @MicrosoftMTP
                                                                          DeviceRegistryEvents
 DeviceName, AccountName, Application,
DeviceName, Accountedme, Application,
LogonType
| join kind=inner (
DeviceNetworkEvents
| where Timestamp > ago(7d)
| where Actourtype == "ConnectionSuccess"
                                                                             where ActionType == "RegistryValueSet"
where RegistryValueName == "DefaultPassword"
where RegistryKey has @"SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon"
                                                                              project Timestamp, DeviceName, RegistryKey
                                                                              top 100 by Timestamp
 | extend DeviceName =
toupper(trim(@"\..*$",DeviceName))
| where RemotePort == "389"
| project NetworkConnectionTime =
                                                                          Lookup process executed from binary hidden in Base64 encoded file. Author:
                                                                          @MicrosoftMTP
 Timestamp, DeviceName, AccountName = InitiatingProcessAccountName,
                                                                          DeviceProcessEvents
                                                                          | where Timestamp > ago(14d)
| where ProcessCore
                                                                         | where Immestamp > dg(14d)
| where ProcessCommandLine contains ".decode('base64')"
| or ProcessCommandLine contains "base64 --decode"
| or ProcessCommandLine contains ".decode64("
| project Timestamp , DeviceName , FileName , FolderPath , ProcessCommandLine ,
| InitiatingProcessCommandLine
| top 100 by Timestamp
 InitiatingProcessFileName,
InitiatingProcessCommandLine
 ) on DeviceName, AccountName
| 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
 Active Directory. Author: MTP engineering
                                                                          DeviceProcessEvents
                                                                             extend SplitLaunchString = split(ProcessCommandLine, " ")
mvexpand SplitLaunchString
where SplitLaunchString matches regex "^[A-Za-z0-9+/]{50,}[=]{0,2}$"
 IdentityQueryEvents
luterityQuerytemis
| where Timestamp > ago(7d)
| where ActionType == "SamrQuerySuccess"
and isnotempty(AccountName)
| project QueryTime = Timestamp,
DeviceName, AccountName, Query,
QueryTarget
                                                                             extend Base64 = tostring(SplitLaunchString)
extend DecodedString = base64_decodestring(Base64)
                                                                             where isnotempty(DecodedString)
                                                                          identifies applications which leverage a command line pattern which matches the 7zip and WinRAR command line executables to create or update an archive when a password is specified. Author: @PowershellPoet
 | join kind=inner (
DeviceProcessEvents
beviceProcessEvents
| where Timestamp > ago(7d)
| extend DeviceName =
toupper(trim(@"\..*$",DeviceName))
| where InitiatingProcessCommandLine
contains "net.exe"
| project ProcessCreationTime = Timestamp,
                                                                          | where ProcessCommandLine matches regex @"\s[aukfAUKF]\s.*\s-p" // Basic filter to look for launch string
                                                                             extend SplitLaunchString = split(ProcessCommandLine, ' ') // Split on the
                                                                          space
                                                                          | where array_length(SplitLaunchString) >= 5 and SplitLaunchString[1] in~ ('a','u','k','f') // look for calls to archive or update an archive specifically as the first argument
 DeviceName, AccountName, InitiatingProcessFileName
 InitiatingProcessCommandLine
InitialingProcessCommandLine
) on DeviceName, AccountName
| where ProcessCreationTime - QueryTime
between (-2m . 2m)
| project QueryTime, DeviceName,
AccountName, InitiatingProcessFileName,
InitiatingProcessCommandLine, Query,
                                                                           as the first argument
| mv-expand SplitLaunchString // cross apply the array
| where SplitLaunchString startswith "-p" // -p is the password switch and is
immediately followed by a password without a space
                                                                            extend ArchivePassword = substring(SplitLaunchString, 2,
                                                                          strlen(SplitLaunchString))
| project-reorder ProcessCommandLine, ArchivePassword // Promote these fields to
```

MTP Advance Hunting Cheat Sheet v0.1 | https://github.com/MiladMSFT/AdvHuntingCheatSheet | @MiladMSFT The purpose of this cheat sheet is to cover commonly used threat hunting queries that can be used with