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Overview

Description

Volexity identified a cyber-espionage campaign by a suspected Pakistan-based threat actor tracked as UTA0137 targeting government entities in India. The campaign leveraged the DISGOMOJI malware, a Golang-based Linux trojan that uses Discord for command and control via emojis. Key capabilities include data exfiltration, persistence mechanisms, and the ability to execute arbitrary commands. Volexity uncovered UTA0137's use of the DirtyPipe exploit against vulnerable BOSS Linux systems, as well as their post-exploitation tactics like network scanning and tunneling. The intrusions appear successful, highlighting UTA0137's evolving tradecraft and persistent interest in Indian targets.

Confidence

This value represents the confidence in the correctness of the data contained within this report.

100 / 100

Content

N/A

Attack-Pattern

Name

Domain Account

ID

T1087.002

Description

Adversaries may attempt to get a listing of domain accounts. This information can help adversaries determine which domain accounts exist to aid in follow-on behavior such as targeting specific accounts which possess particular privileges. Commands such as ``net user /domain`` and ``net group /domain`` of the [Net](https://attack.mitre.org/software/S0039) utility, ``dscacheutil -q group`` on macOS, and ``ldapsearch`` on Linux can list domain users and groups. [PowerShell](https://attack.mitre.org/techniques/T1059/001) cmdlets including ``Get-ADUser`` and ``Get-ADGroupMember`` may enumerate members of Active Directory groups.(Citation: CrowdStrike StellarParticle January 2022)

Name

Confluence

ID

T1213.001

Description

Adversaries may leverage Confluence repositories to mine valuable information. Often found in development environments alongside Atlassian JIRA, Confluence is generally used to store development-related documentation, however, in general may contain more diverse categories of useful information, such as:

- * Policies, procedures, and standards
- * Physical / logical network diagrams
- * System architecture diagrams
- * Technical system documentation
- * Testing / development credentials
- * Work / project schedules
- * Source code snippets
- * Links to network shares and other internal resources

Name

Credentials from Web Browsers

ID

T1555.003

Description

Adversaries may acquire credentials from web browsers by reading files specific to the target browser. (Citation: Talos Olympic Destroyer 2018) Web browsers commonly save credentials such as website usernames and passwords so that they do not need to be entered manually in the future. Web browsers typically store the credentials in an encrypted format within a credential store; however, methods exist to extract plaintext credentials from web browsers. For example, on Windows systems, encrypted credentials may be obtained from Google Chrome by reading a database file, ``AppData\Local\Google\Chrome\User Data\Default>Login Data`` and executing a SQL query: ``SELECT action_url, username_value, password_value FROM logins;``. The plaintext password can then be obtained by passing the encrypted credentials to the Windows API function ``CryptUnprotectData``, which uses the victim's cached logon credentials as the decryption key. (Citation: Microsoft CryptUnprotectData April 2018) Adversaries have executed similar procedures for common web browsers such as FireFox, Safari, Edge, etc. (Citation: Proofpoint Vega Credential Stealer May 2018) (Citation: FireEye HawkEye Malware July 2017) Windows stores Internet Explorer and Microsoft Edge credentials in Credential Lockers managed by the [Windows Credential Manager] (<https://attack.mitre.org/techniques/T1555/004>). Adversaries may also acquire credentials by searching web browser process memory for patterns that commonly match credentials. (Citation: GitHub Mimikittenz July 2016) After acquiring credentials from web browsers, adversaries may attempt to recycle the credentials across different systems and/or accounts in order to expand access. This can result in significantly furthering an adversary's objective in cases

where credentials gained from web browsers overlap with privileged accounts (e.g. domain administrator).

Name

Windows Remote Management

ID

T1021.006

Description

Adversaries may use [Valid Accounts](<https://attack.mitre.org/techniques/T1078>) to interact with remote systems using Windows Remote Management (WinRM). The adversary may then perform actions as the logged-on user. WinRM is the name of both a Windows service and a protocol that allows a user to interact with a remote system (e.g., run an executable, modify the Registry, modify services).(Citation: Microsoft WinRM) It may be called with the `winrm` command or by any number of programs such as PowerShell. (Citation: Jacobsen 2014) WinRM can be used as a method of remotely interacting with [Windows Management Instrumentation](<https://attack.mitre.org/techniques/T1047>). (Citation: MSDN WMI)

Name

XDG Autostart Entries

ID

T1547.013

Description

Adversaries may add or modify XDG Autostart Entries to execute malicious programs or commands when a user's desktop environment is loaded at login. XDG Autostart entries are available for any XDG-compliant Linux system. XDG Autostart entries use Desktop Entry files (`.desktop`) to configure the user's desktop environment upon user login. These configuration files determine what applications launch upon user login, define associated

applications to open specific file types, and define applications used to open removable media.(Citation: Free Desktop Application Autostart Feb 2006)(Citation: Free Desktop Entry Keys) Adversaries may abuse this feature to establish persistence by adding a path to a malicious binary or command to the `Exec` directive in the `.desktop` configuration file. When the user's desktop environment is loaded at user login, the `.desktop` files located in the XDG Autostart directories are automatically executed. System-wide Autostart entries are located in the `/etc/xdg/autostart` directory while the user entries are located in the `~/.config/autostart` directory. Adversaries may combine this technique with [Masquerading](https://attack.mitre.org/techniques/T1036) to blend malicious Autostart entries with legitimate programs.(Citation: Red Canary Netwire Linux 2022)

Name

PowerShell

ID

T1059.001

Description

Adversaries may abuse PowerShell commands and scripts for execution. PowerShell is a powerful interactive command-line interface and scripting environment included in the Windows operating system.(Citation: TechNet PowerShell) Adversaries can use PowerShell to perform a number of actions, including discovery of information and execution of code. Examples include the `Start-Process` cmdlet which can be used to run an executable and the `Invoke-Command` cmdlet which runs a command locally or on a remote computer (though administrator permissions are required to use PowerShell to connect to remote systems). PowerShell may also be used to download and run executables from the Internet, which can be executed from disk or in memory without touching disk. A number of PowerShell-based offensive testing tools are available, including [Empire](https://attack.mitre.org/software/S0363), [PowerSploit](https://attack.mitre.org/software/S0194), [PoshC2](https://attack.mitre.org/software/S0378), and PSAttack.(Citation: Github PSAttack) PowerShell commands/scripts can also be executed without directly invoking the `powershell.exe` binary through interfaces to PowerShell's underlying `System.Management.Automation` assembly DLL exposed through the .NET framework and Windows Common Language Interface (CLI).(Citation: Sixdub PowerPick Jan 2016)(Citation: SilentBreak Offensive PS Dec 2015)(Citation: Microsoft PSfromCsharp APR 2014)

Name

Scheduled Task

ID

T1053.005

Description

Adversaries may abuse the Windows Task Scheduler to perform task scheduling for initial or recurring execution of malicious code. There are multiple ways to access the Task Scheduler in Windows. The [schtasks](<https://attack.mitre.org/software/S0111>) utility can be run directly on the command line, or the Task Scheduler can be opened through the GUI within the Administrator Tools section of the Control Panel. In some cases, adversaries have used a .NET wrapper for the Windows Task Scheduler, and alternatively, adversaries have used the Windows netapi32 library to create a scheduled task. The deprecated [at](<https://attack.mitre.org/software/S0110>) utility could also be abused by adversaries (ex: [At](<https://attack.mitre.org/techniques/T1053/002>)), though `at.exe` can not access tasks created with `schtasks` or the Control Panel. An adversary may use Windows Task Scheduler to execute programs at system startup or on a scheduled basis for persistence. The Windows Task Scheduler can also be abused to conduct remote Execution as part of Lateral Movement and/or to run a process under the context of a specified account (such as SYSTEM). Similar to [System Binary Proxy Execution](<https://attack.mitre.org/techniques/T1218>), adversaries have also abused the Windows Task Scheduler to potentially mask one-time execution under signed/trusted system processes.(Citation: ProofPoint Serpent) Adversaries may also create "hidden" scheduled tasks (i.e. [Hide Artifacts](<https://attack.mitre.org/techniques/T1564>)) that may not be visible to defender tools and manual queries used to enumerate tasks. Specifically, an adversary may hide a task from `schtasks /query` and the Task Scheduler by deleting the associated Security Descriptor (SD) registry value (where deletion of this value must be completed using SYSTEM permissions).(Citation: SigmaHQ)(Citation: Tarrask scheduled task) Adversaries may also employ alternate methods to hide tasks, such as altering the metadata (e.g., `Index` value) within associated registry keys.(Citation: Defending Against Scheduled Task Attacks in Windows Environments)

Domain-Name

Value

certdehli.in

nic-tech.in

apsdelhicantt.in

emailnic.online

secy-org.in

awesindia.online

clawsindia.in

epar-online.in

ordai.quest

estbsec.in

admincoord.in

publicinfo.in

esttsec.in

defenseinsight.in

parichay.online

emailnic-tech.email

infosec2.in

coordsec2.in

awesscholarship.in

StixFile

Value

ead993c1d537c239750e19a5700a58501dab319d5d271bf85137608448c1faa0

207334927fc39278e37afe124769ed980e9a8ae86b0346408af64c86a7c99e6a

3d1b3ba5e1c1d1626595098f042913bc39601c80ab2c934cb994d3c053f218c5

5ef431a481c9baeb1d8cfaf6e1c323531a57c14a5b878575b267f2f969451fdb

6c2f18f5d70f794b8826ee2575d973ddb07cbf9d15115973fe92df74079b6412

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2abaae4f6794131108adf5b42e09ee5ce24769431a0e154feabe6052cfe70bf3

74e0af32c47e3bbe6becfb4027bbdcc01fbe36c92c70ce8edd676cc9aa3d6437

4ddf0c70be0b81ab44f018521f788213de2ccf72b7a7f452f327b81172014182

1844156b1a72a7daa8de4139175a2bdeb4bd326b9e3e1fb4dd2ae00b313b0a44

Hostname

Value

dc-mx.ae172f95f2ec.defenseinsight.in

lists.clawsindia.in

www.emailnic.online

portal.clawsindia.in

autoconfig.clawsindia.in

dev.nic-tech.in

www.defenseinsight.in

old.clawsindia.in

email.parichay.online

email.coordsec2.in

email.emailnic-tech.email

webmail.clawsindia.in

imap.clawsindia.in

cloud.publicinfo.in

pop.clawsindia.in

www.certdehli.in

www.infosec2.in

epar.emailnic-tech.email

smtp.mail.clawsindia.in

mbox.clawsindia.in

www.mailgate.clawsindia.in

www.secy-org.in

dev.clawsindia.in

cpanel.clawsindia.in

m.emailnic.online

ns1.clawsindia.in

www.nic-tech.in

insight.defenseinsight.in

ww12.epar-online.in

External References

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- <https://raw.githubusercontent.com/volexity/threat-intel/main/2024/2024-06-13%20DISGOMOJI/indicators/iocs.csv>
-
- <https://www.volexity.com/blog/2024/06/13/disgomoji-malware-used-to-target-indian-government/>
-
- <https://otx.alienvault.com/pulse/66712446e23b1d14e4f293eb>