

Cloud Clepto & SaaS-y Scattered Spider shenanigans

AKAs:

SCATTERED SPIDER UNC3944 Roasted Oktapus STORM-0875 (Octo Tempest)





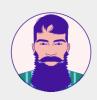






Ian Ahl, SVP of Permiso's P0 Labs

- Mandiant 10'ish Years
 - Advanced Practices Lead
 - Incident Response
- @TekDefense
- USMC



IAN AHL SVP OF P0 LABS



BOHANNON PRINCIPAL THREAT RESEARCHER

DANIEL



ANDREW KRAUT SENIOR THREAT RESEARCHER



NATHAN EADES SENIOR THREAT RESEARCHER

BLEON PROKO THREAT RESEARCHER





RICARDO ARANCIBIA

DATA SCIENTIST



ABIAN MORINA

ASSOCIATE THREAT RESEARCHER



ANDI AHMETI

ASSOCIATE THREAT RESEARCHER



MELA ELEZAJ

THREAT RESEARCH INTERN



ENISA HOXHAXHIKU

THREAT RESEARCH INTERN

Understanding LUCR-3



Who

- AKAs: Scattered Spider, UNC3944, Roasted Oktapus, STORM-0875
- Attribution Difficulties (BlackCat)

Mission

- Financial Gain through
 - Ransom
 - Extortion
 - CryptoMining

Victimology

- Telecom
- Software/Technology
- Heavy Expansion



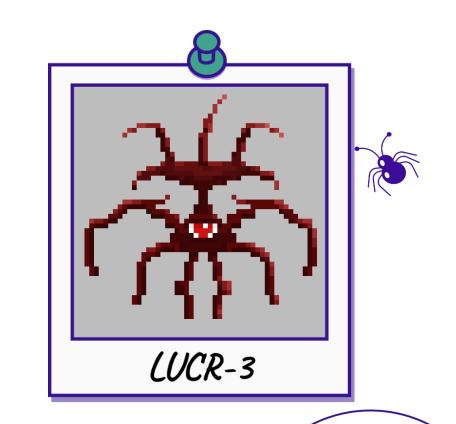
Impacted Environments

- On Prem
- Cloud
- SaaS
- CI/CD

Consistent Themes

Ħ

- Targeted personas
- Pick up the phone
- GUI tooling
- Very little malware used
- Opportunistic
- Watchers

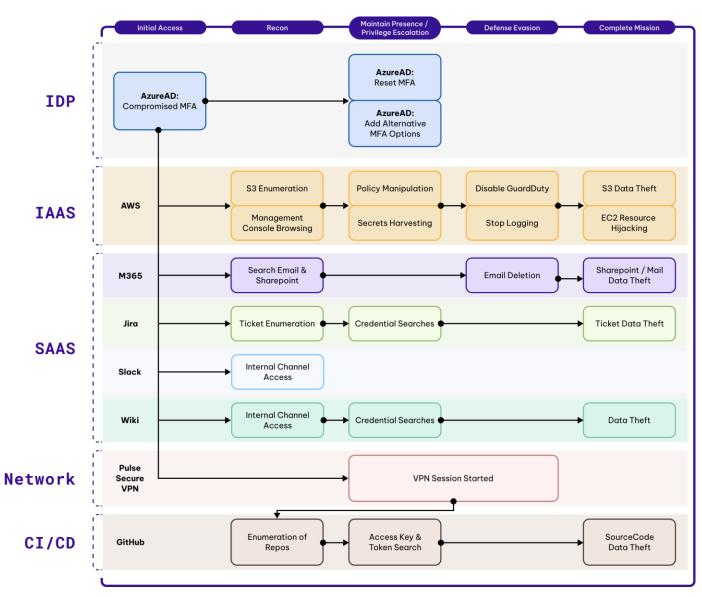


High Level Overview

H

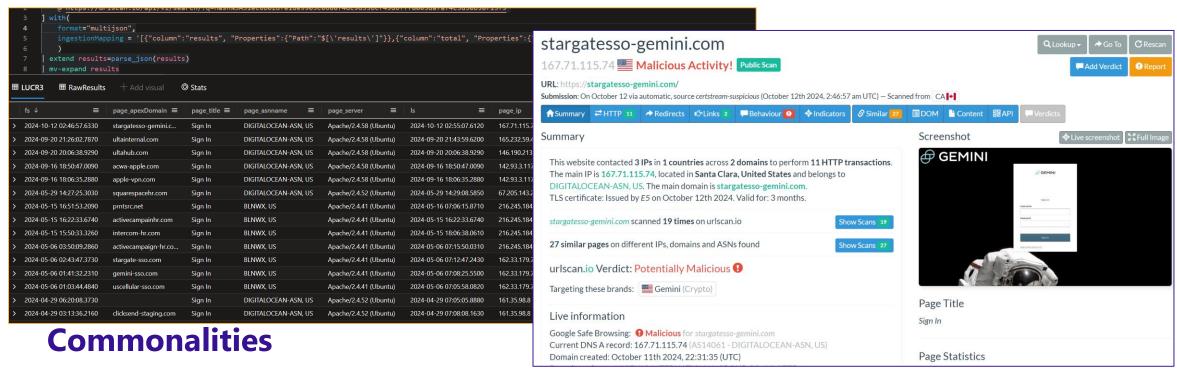
Highlights

- Initial Access via SIM
 Swapping, and push fatigue in the IDP
- IAAS for credential harvesting and Data Theft
- **SaaS** to **learn enough** about your environment to carry out their mission
- CI/CD to perform Source
 Code Theft, Code Signing
 Certs

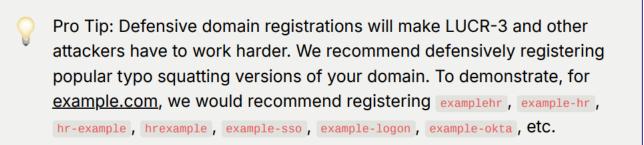


Phishing Infrastructure



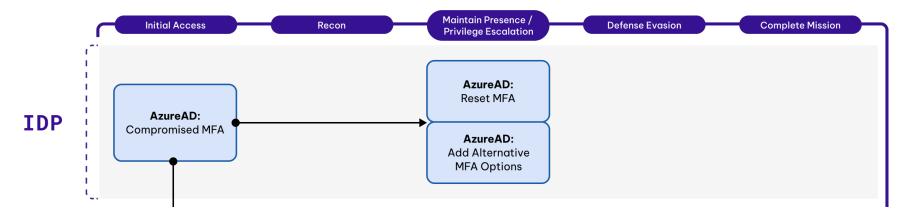


- Cloudflare and Like services
- DigitalOcean, Choopa(Vultr), and BLNWX
- -sso, -auth, -okta,m –logon,
 -hr, -support



You down with IDP?





Attacker Actions

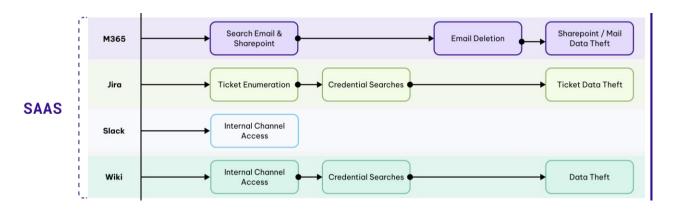
- Source from Residential Proxies
- Stolen or coerced creds
- SIM Swap and Push Fatigue
- Register their own MFA
- Downgrade to SMS
- Add new email for password rest

Hunts

- How many users have more than one phone?
- How often do people switch platforms?
- How often do people downgrade phones?
- How many people share phones?
- Downgrade factor?

Feeling SaaS-y?



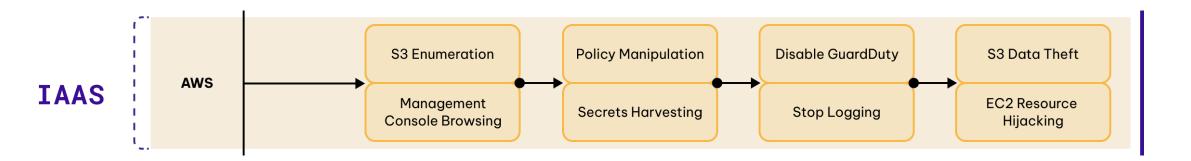


Attacker Actions

- Search knowledge apps
- Search ticket apps
- Search chats
- Search Document stores
- A little defense evasion in 365

Putting the Awww, in AWS





Attacker Actions

- AWS Management Console, S3 Browser, and Cloudshell
- Enumeration via billing, console,
 SSM
- Credential Harvesting and take over
- Instance Profile replacement
- Disable GuardDuty, StopLogging
- S3 Data Theft

Hunts

- S3 Browser Usage
- * * Policy creation/modifications
- SecretsManager via Cloudshell
- Cloudshell uploads and downloads
- DeleteInvitations
- Serial usage
- Big boxes with Windows!

Tooling to Help





INTRODUCING CLOUD CONSOLE CARTOGRAPHER: AN OPEN-SOURCE TOOL TO HELP SECURITY TEAMS EASILY UNDERSTAND LOG EVENTS GENERATED BY AWS CONSOLE ACTIVITY

DANIEL BOHANNON 04.18.2024

Introduction While most cloud CLI tools provide a one-to-one correlation between an API being invoked and a single corresponding API event being generated in cloud log telemetry, browser-based...

READ MORE



INTRODUCING CLOUDGRAPPLER: A POWERFUL OPEN-SOURCE THREAT DETECTION TOOL FOR CLOUD ENVIRONMENTS

ANDI AHMETI 03.07.2024

IntroductionWith the increased activity of threat actor groups like LUCR-3 (Scattered Spider) over the last year, being able to detect the presence of these threat groups in cloud environments...

READ MORE