Stealing Identities and Privilege Escalation

The Real-World Story of a Ransomware Attack







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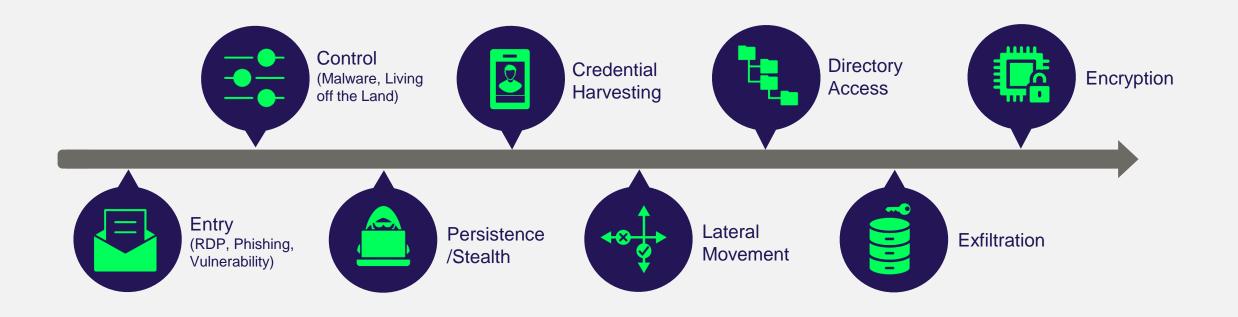
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Figh Risks from Over Privileged Identities



Common Attack Path





| CryLock | | | | |
|--|--|---|---|-------------------------|
| ENCR | YPTED | 0001100011110101 | 11001101001 | 001101000011 |
| What happened | and the second sec | algorithm (you can find related on your server, and you cann ton key from us. | d information in Wik | ipedia). |
| E-mail: | reidcry@dr.com | сору | During a short period, you can buy a decryption key with a 50% discount | |
| Unique ID: | [F42CECBB-50766EF9] | сору | 2 day | s 23:56:39 |
| | ve will send you a specific decoding software that I the response within 24 hours, please contact us l om. | | The price depen contact us. | ds on how soon you will |
| All your fi | les will be deleted permanent | ly in: | 4 days | 23:56:39 |
| Attention! | | | What guarant | tees do you have? |
| Do not try to recover files yourself, this process can damage your data and recovery will become impossible. | | | Before payment, we can decrypt three files for free. The total file size should be less than 5MB (before archiving), and the files should not contain any important information (databases, backups, large tables, etc.) | |
| Do not waste time trying to find the solution on the Internet. The longer you wait, the higher will become the decryption key price. | | | | |
| | rintermediaries. They will buy the key from us and | sell it to you at a higher | tables, etc.) | |

You'll most likely be notified of a breach by an OUTSIDER!

- Law Enforcement
- Third Parties including customers
- Attackers contact you
- Social Media
- Employees
- Security Researchers

Be Incident Response Ready

- Time Format and Naming?
- Policies (HR, Legal, Law Enforcement)
- Evidence Gathering (Logs, Images)
- Identities and User Access
- Service Accounts (Privileged Access, Rotate)
- Go Bag (Everything you might need)
- Communications Alternative (OOB)
- Helpdesk Ready
- Incident Response Plan
- Incident Response Practice Drills



If you do become a victim of Ransomware



RESTORE BACKUP or



PAY RANSOM or



DO NOTHING AND HOPE TO REBUILD



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What did the attackers have access to and how did they do it?

- Domain Admin and DC
- All Systems
- All Data
- All Applications?
- On-Premise or Cloud?
- How long?
- What tools did they use?
- Did they leave any backdoors?
- What data did they take and how?
- What is the timeline of events?
- What evidence is remaining?



Following the attackers' footprints ATTACK PATH

LIVE WALKTHROUGH OF ATTACK

What can we do to reduce the risks?

Top tips to reduce Ransomware risks and avoid becoming a victim











Application Control







THANK YOU!

identiverse^{*}

