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STIFTELSEN

# Registry Lock Automation

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# Problem Description



Customer



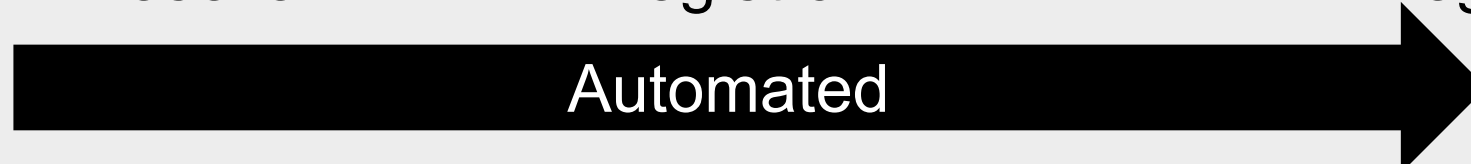
Reseller



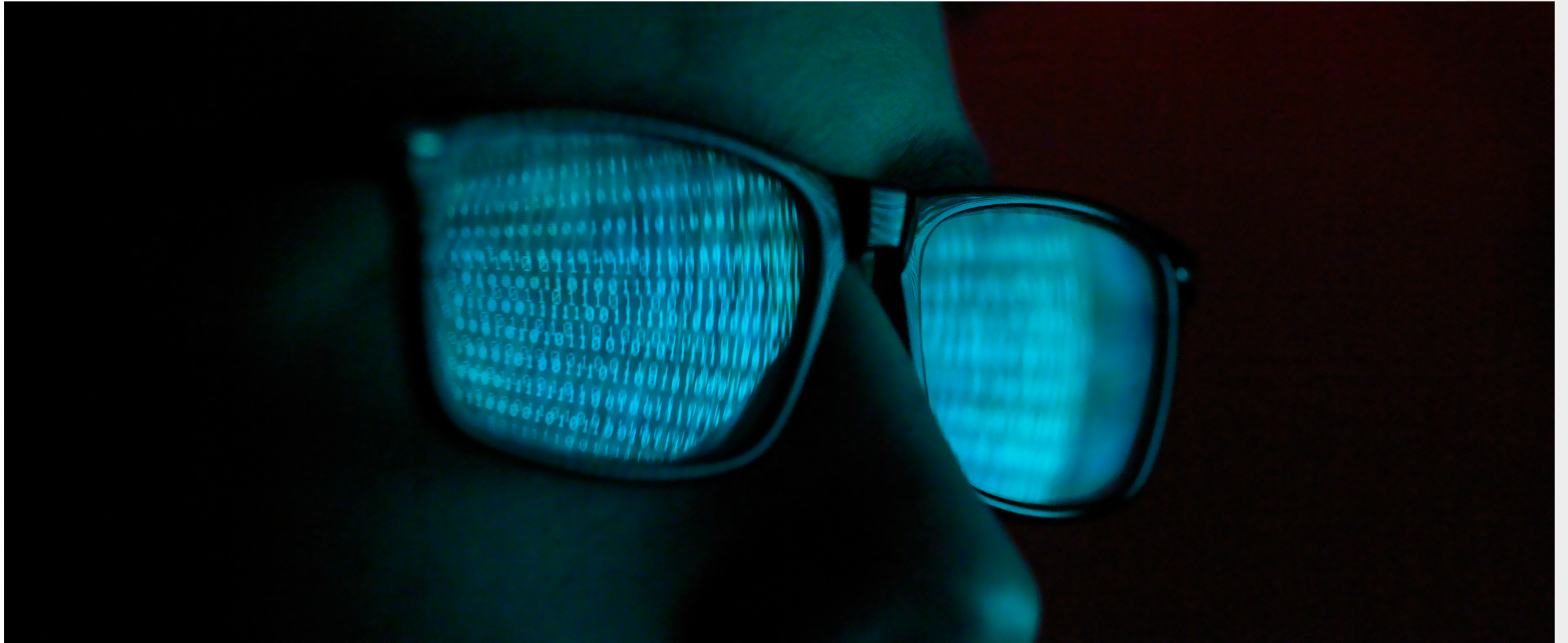
Registrar



Registry



# Problem Description



# Registry Lock

Any method preventing automated changes to domain registration data.

Any change will need manual intervention on some level of

Customer, Registrar or Registry

# IETF Draft

<https://datatracker.ietf.org/doc/draft-wisser-registrylock>

# Registry Lock

Prevents any changes to domain registration data

- <update/> commands will be rejected
- <delete/> will be rejected
- <transfer/> will be rejected
- <renew/> will be executed

# EPP Extension - RegistryLock

- Domains can be locked as part of the normal automated domain administration process

# Locking

```
C:<?xml version="1.0" encoding="UTF-8" standalone="no"?>
C:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
C:  <command>
C:    <create> ... </create>
C:    <extension>
C:      <regLock:lock xmlns:regLock="urn:...:registryLock-1.0" />
C:    </extension>
C:    <clTRID>ABC-12345</clTRID>
C:  </command>
C:</epp>
```



# Temporary and permanent Unlocking

Currently only out-of-band, there is no standard for secure authorization

Digital signatures could be used in future

# Info Response

S: ...

S: <extension>

S: <regLock:infData xmlns:regLock="urn:ietf:params:xml:ns:epp:registryLock-1.0">

S:   <regLock:locked>0</regLock:locked>

S: </regLock:infData>

S: ...

# Info Response

S: ...

S: <extension>

S: <regLock:infData xmlns:regLock="urn:ietf:params:xml:ns:epp:registryLock-1.0">

S:   <regLock:locked>1</regLock:locked>

S: </regLock:infData>

S: ...

# Info Response

S: ...

S: <extension>

S: <regLock:infData xmlns:regLock="urn:ietf:params:xml:ns:epp:registryLock-1.0">

S:   <regLock:locked>0</regLock:locked>

S:   <regLock:unlockedUntil eppCmdCount="1">20000101T000000+0000

S:   </regLock:unlockedUntil>

S: </regLock:infData>

S: ...

# Your input is needed

What happens to subordinate hosts?

Are connected contacts locked too?

Should the draft define behavior, or should it be registry policy?

Must registries support eppCmdCount?

Should in bailiwick hosts be required or that hosts used belong to a domain In registry lock?

Should there be a section discussing domain security?