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Registry Lock Automation

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Problem Description



Customer



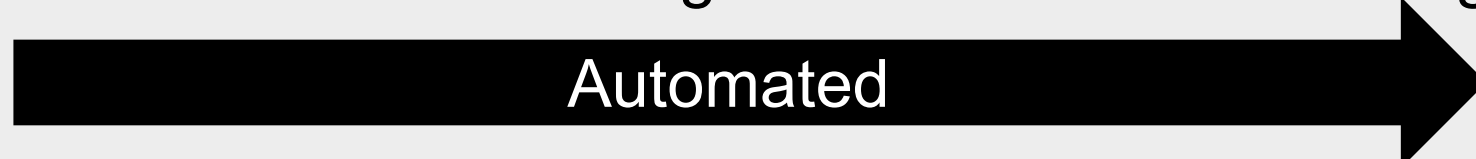
Reseller



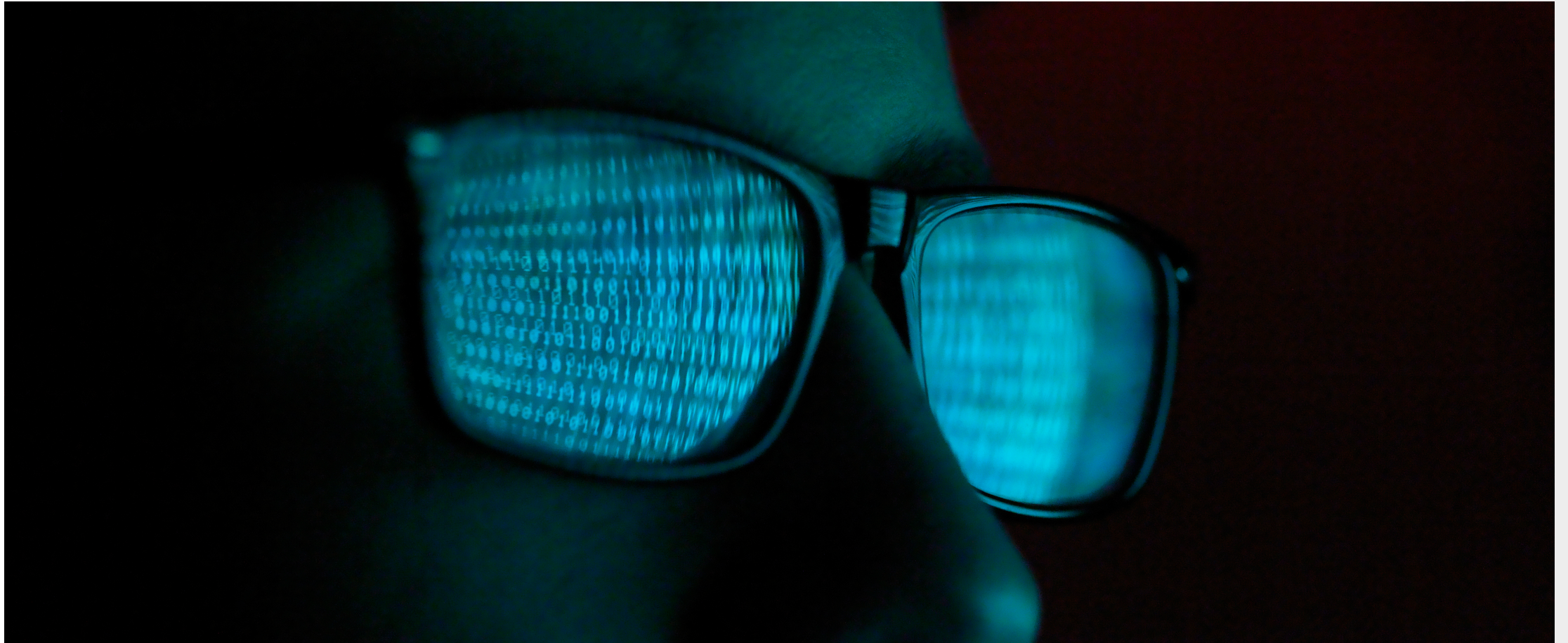
Registrar



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

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

IETF Draft

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

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:        <regLock:unlock>outofband</locked>
C:      </regLock:lock>
C:    </extension>
C:    <clTRID>ABC-12345</clTRID>
C:  </command>
C:</epp>
```

Locking

```
S:<?xml version="1.0" encoding="UTF-8" standalone="no"?>
S:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S:  <response>
S:    <result code="1000"> ... </result>
S:    <extension>
S:      <regLock:updData xmlns:regLock="urn:...:registryLock-1.0">
S:        <regLock:locked>outofband</locked>
S:      </regLock:updData>
S:    </extension>
S:    ...
```

Temporary Unlocking

...

S: <extension>

S: <regLock:infData xmlns:regLock="urn:...:registryLock-1.0">

S: <regLock:locked>outofband</regLock:locked>

S: <regLock:unlockedUntil>20000101T000000+0000

S: </regLock:unlockedUntil>

S: </regLock:infData>

S: </extension> ...

Temporary and permanent Unlocking

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

Digital signatures could be used in future

Undecided

What happens to subordinate hosts?

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

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

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