





Markus Wolfer

Head of Channel Development Markus.wolfer@pointsharp.de Who are Pointsharp?

European security company

Software & SaaS

Founded 2006



Pointsharp solution areas



User Authentication



Access Management



Data & Email Security

Pointsharp in numbers

7 Offices

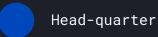
200 Employees

€30 Revenue

3500 Customers

35+ Countries



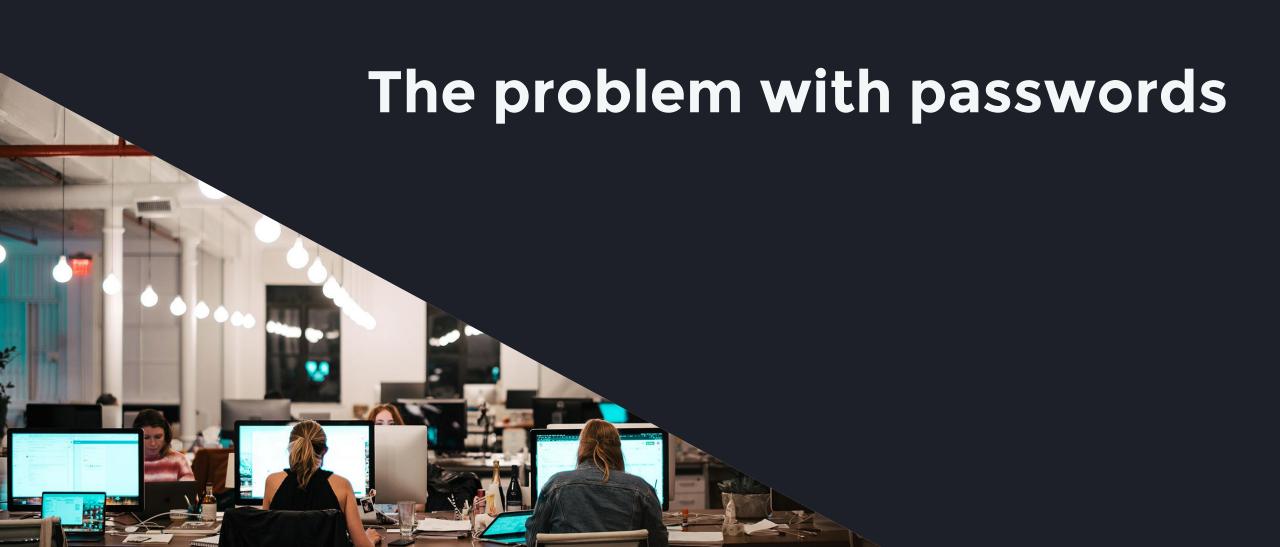




The Future of User Authentication

- The rise of user authentication in the era of digital threats
- Real-world applications of security keys for user authentication
- Future trends in secure communication





First of all security

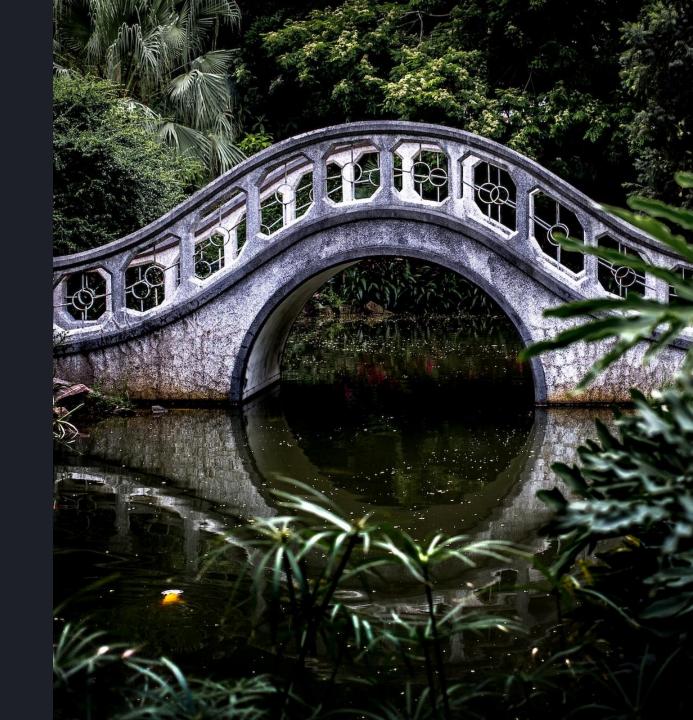


The problem with passwords

Short passwords

Long passwords

Big leaks



3min 21s

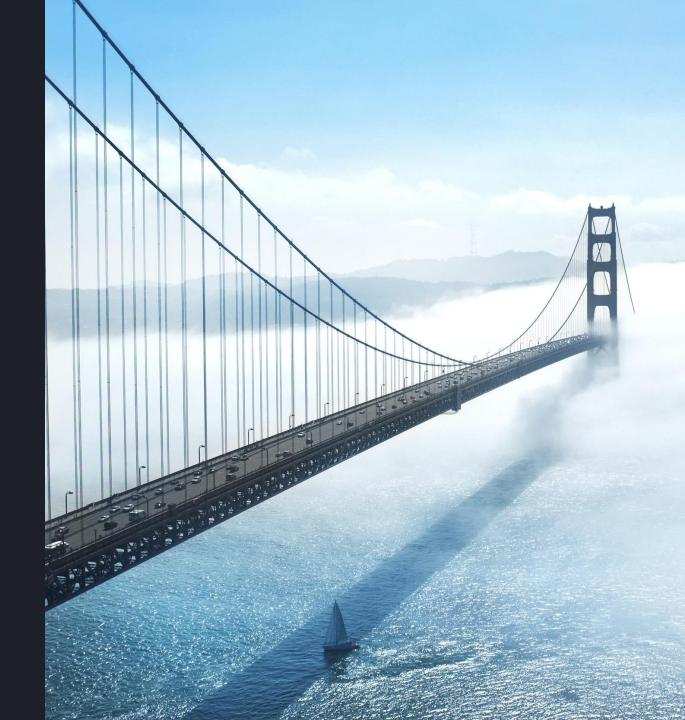
8 character with uppercase and number

The problem with passwords

Short passwords

Long passwords

Big leaks



Password_123!



The problem with passwords

Short passwords

Long passwords

Big leaks

```
wiernes 9 noviembre 01:31:32 2018 ]-[ ~/Lampor
                                   § gcc lamport.c base64.c -o lamport -lcrypto
                                       viernes 9 noviembre 01:31:34 2018 ]-[ ~/Lamport
                                   [+] Calculating Lamport keypair . . .
                                   [+] Obtaining random data from a secure source
                                   [+] Calculating the public key from the private one
                                  ----BEGIN LAMPORT PRIVATE KEY BLOCK----
v[0]);
                                  Dnuw/2KD0ifxuigGdIJIj9rfhkJaucOafAhsjB/YVfQVCNSi1EmK
                                  USQbcc0cn++tFEs8kVRMlgCYHhfT5AdlV3eKo1ZmXT/lQcPfNv6tc
                                  W46wFWRV0hCjZzv6hNoO1O1nZldsceQXqQmcy8/gtg+cJB+mZOGL
                                  RHdtcU8VlUhÚ3/9rPVya/iJltz9ec2XblARA90a8L0012MhAfhoE
                                  K0HMrUV3hVgjyns5sy7ss2mevH35GF19XTZwHJ4hWyqDsfgTb3K1
                                  s8RqgaEhbVdCPRPQQFNKVBIlGBSgVbhx6bgTDdFY1sPXWroUhxG
                                  ZuFAxog3tD15EF0gLl35RzpEaRH6D8GrS3oEqPfdgSwm7Z34rb9ft
 what the fuck should I do
                                  NI8Nv3EYJ7XG6iJVPiCExvpC38fhkaLNb8lgXV8NNDRlue6D
                                  RhDQlRMZwEjiJPthq5bq7Y7v+hlw+86H1MLHHXDL8fA6xLWCrazE
                                  Hkqzs406XQwfruzHZI@gTEU1YwQ1w-MeNIXE7Cw6KFFVbCXX
                                  OubZvQ6CZ4r8AhZQvQ62mpfQZ9vtVpo+z23uTU7L5+41XY39WFT
 message
ation" of the signature
IZE_BYTES; i++)
MS-bit of the byte 180

    j * HASH_SIZE_BYTES, privkey[j][]].

   * HASH_SIZE_BYTES, prinkey(1)|
```

12,465,082,651

leaked account details



Colonial Pipeline

second usability





And lastly regulation



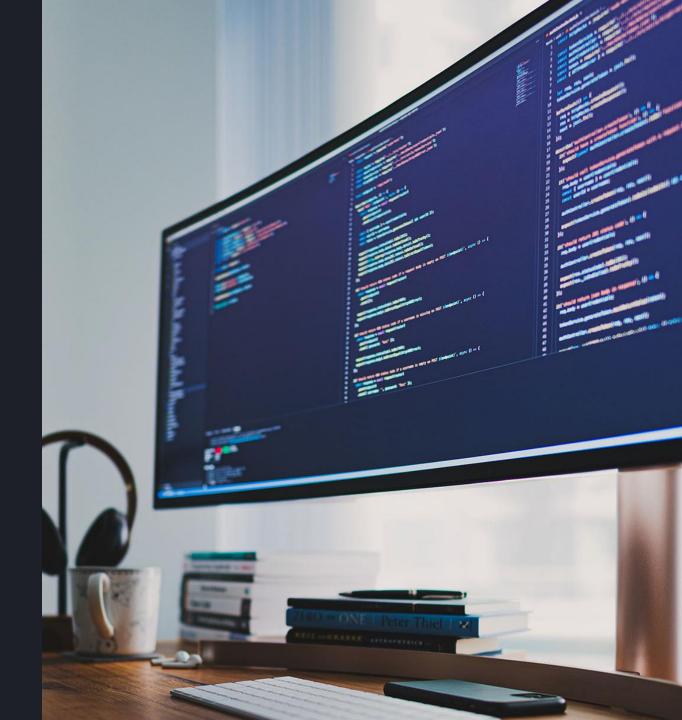


EU NIS-2

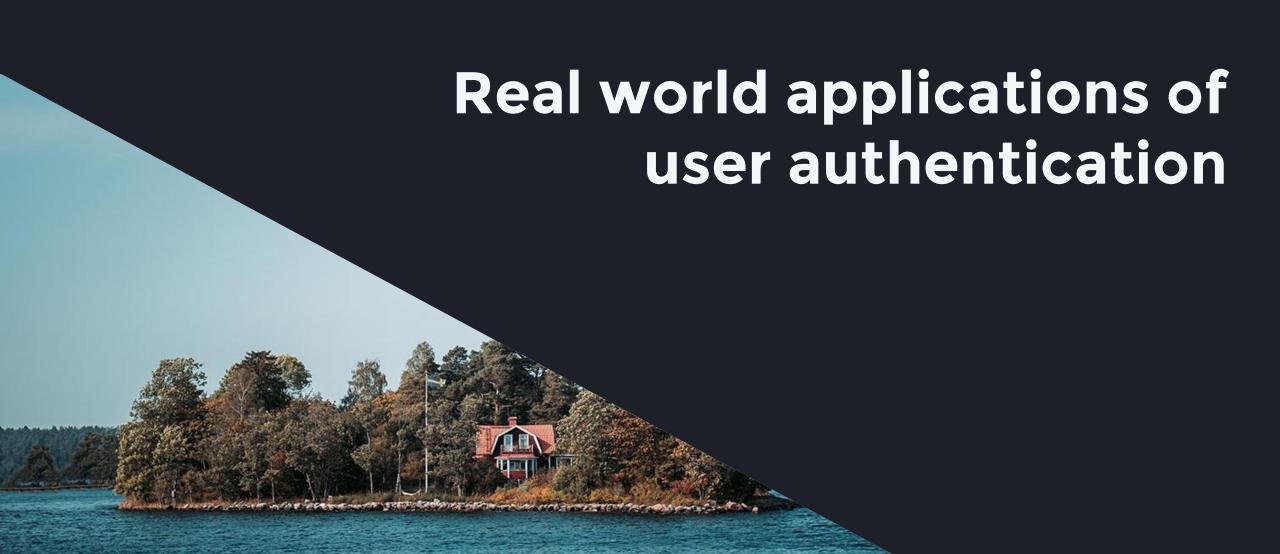
Cybersecurity measures

Authentication:
Multi Factor Authentication
and SSO

Access Control (Physical Access)







Passwordless logon for all common tokens, platform independent





Mobile app

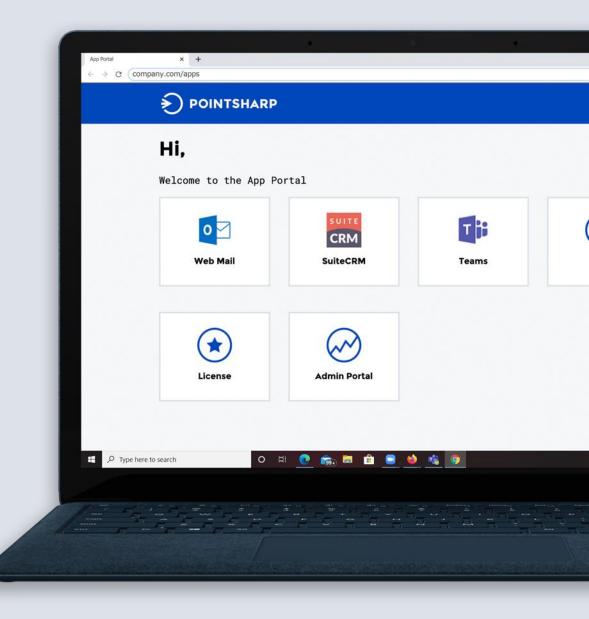
Security key



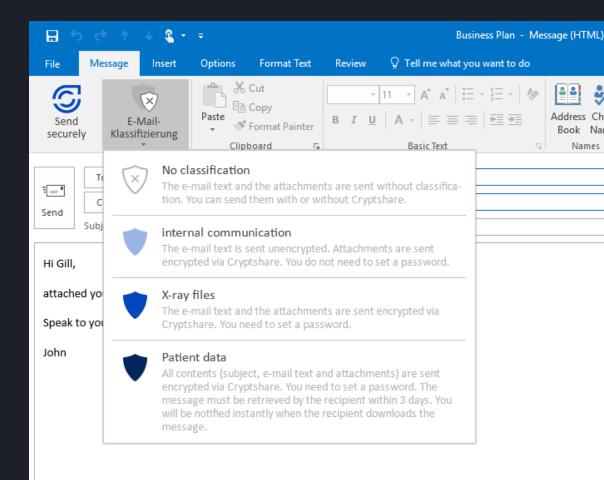


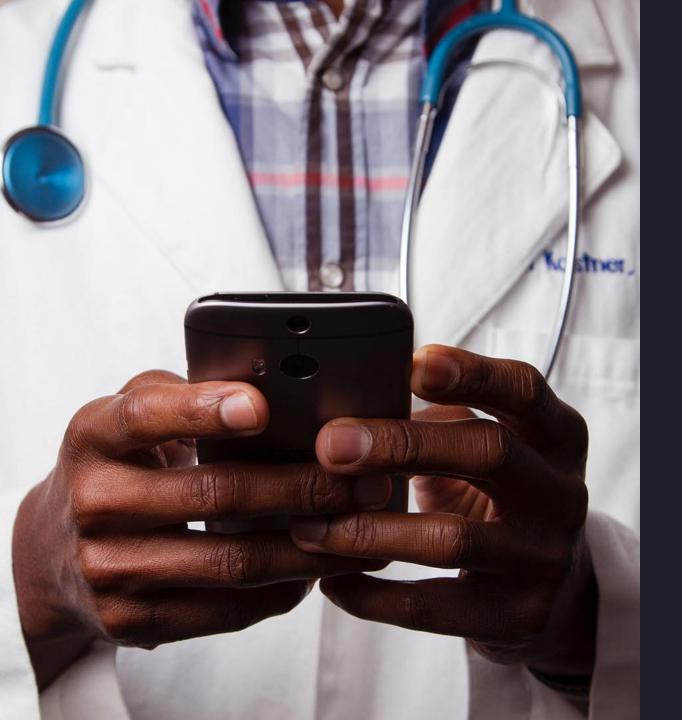
Shared workstations without any risk

App Portal with single sign on



Secure mail and data transfer





Secure work from anywhere

Our vision is to give everyone access to a safe and modern digital workplace.



Future Trends

- Security Threats
- Digital identities
- Ease of Use
- Talents are rare



Thanks for listening!

sales@pointsharp.com

