

# SWITCHpki Update

SWITCH

Andres Aeschlimann

[andres.aeschlimann@switch.ch](mailto:andres.aeschlimann@switch.ch)

TRID WG Meeting, 26.5.2021

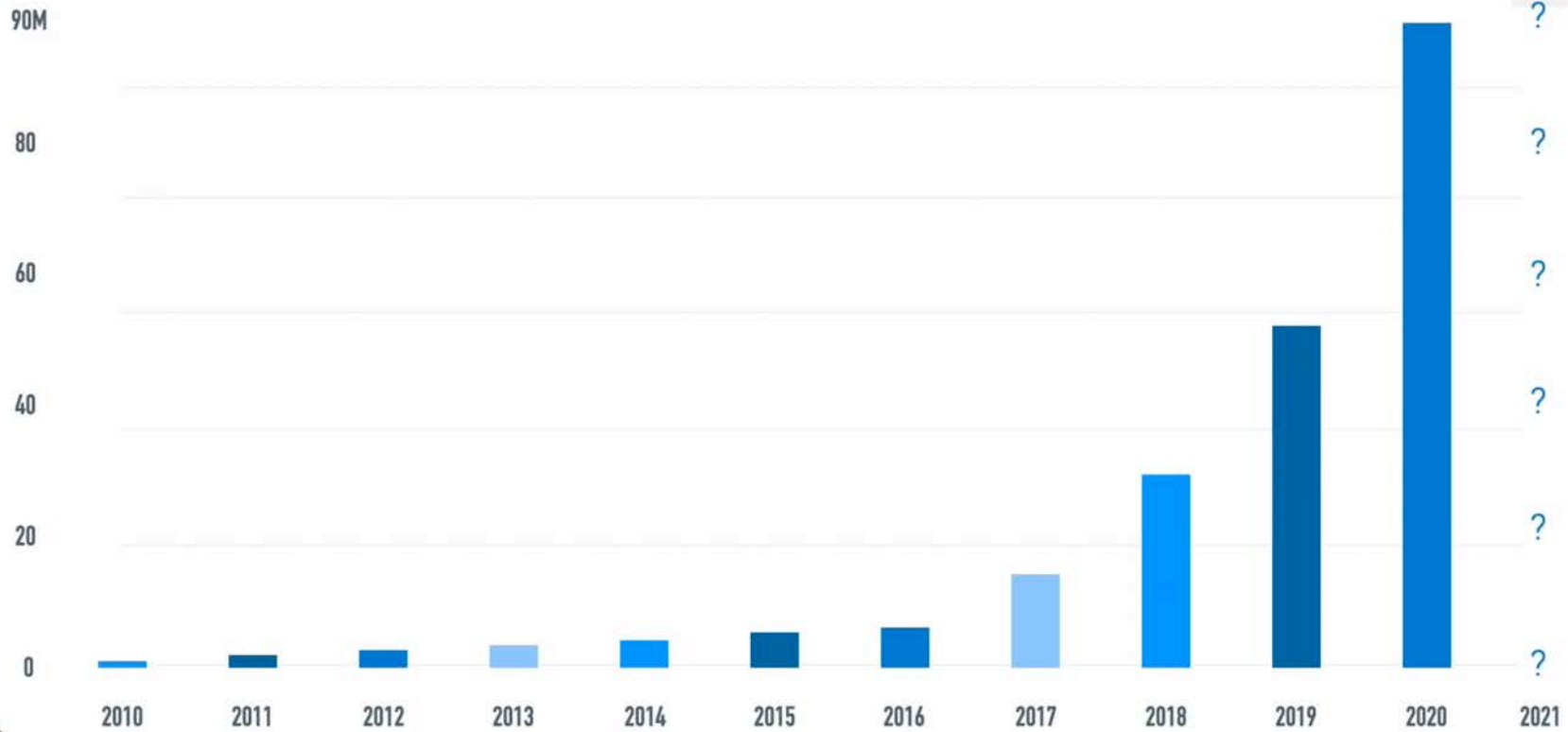
# Incident 15.1.2021

- Cause was the revocation of some more ICA's than expected – and leaf certificates signed by them
- Effect was emergency work by many RA's at many institutions: replacement of signing chain and/or certificates
- SWITCH obtained a considerable amount that accidentally corresponded well to the total income of one quarter
- SWITCH decided to waive that amount in the April's invoice

# Which company is behind SWITCHpki?

- SWITCH has contracted with QuoVadis, many years ago
- QuoVadis has been purchased by DigiCert in 2019  
<https://www.digicert.com/news/pr/digicert-completes-purchase-of-quovadis-ssl/>
- SWITCH was asked to migrate from Trust/Link to CertCentral until 15. September 2021, together with the SWITCHpki Customers, ie. you.

# TLS CERTIFICATES OVER TIME

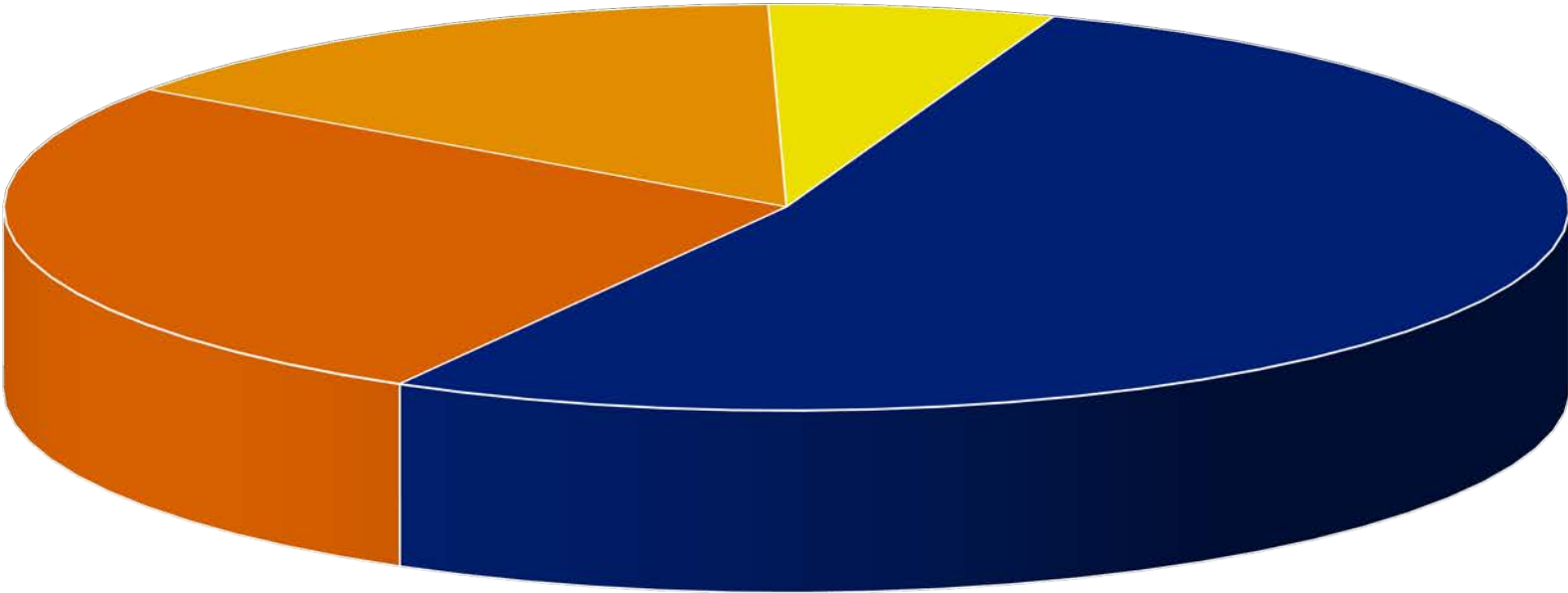


USER:  
**DEAN COCLIN**

SLIDE 16 / 27

# Today's market shares

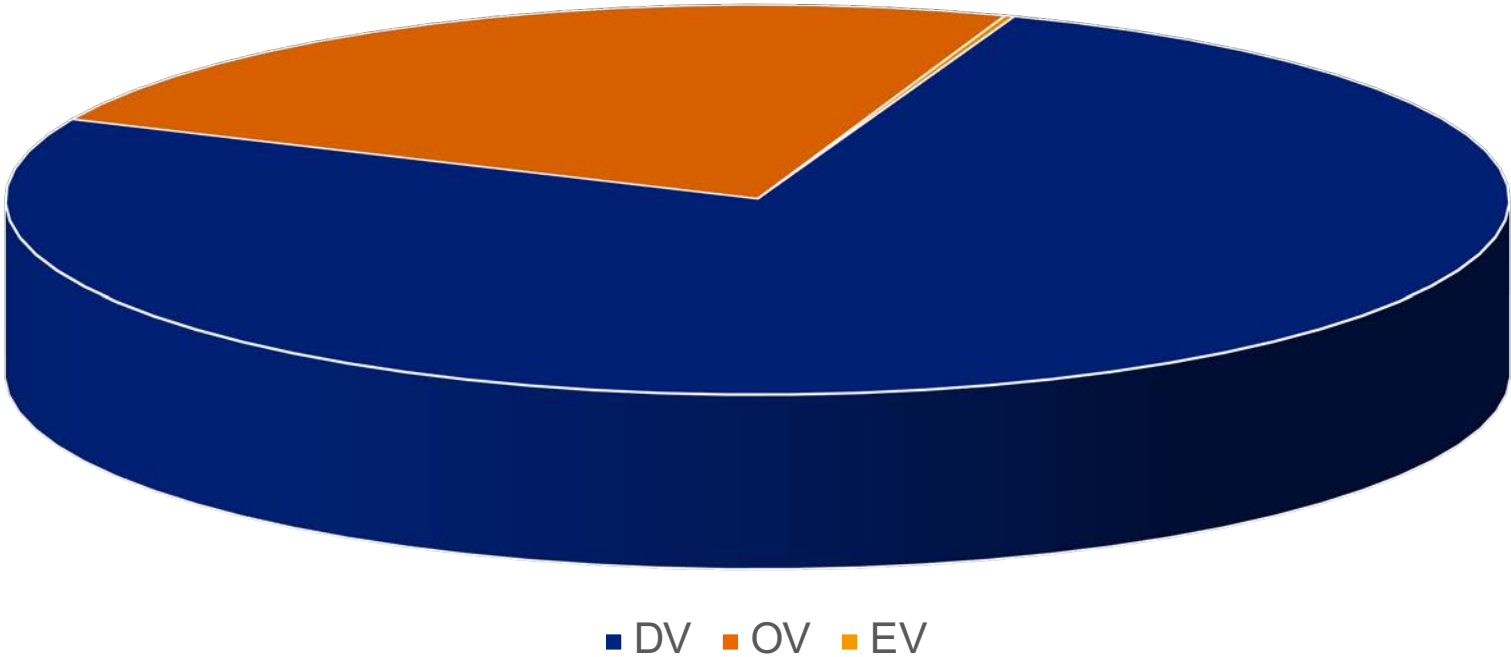
Total Share of Certificates - November 2020



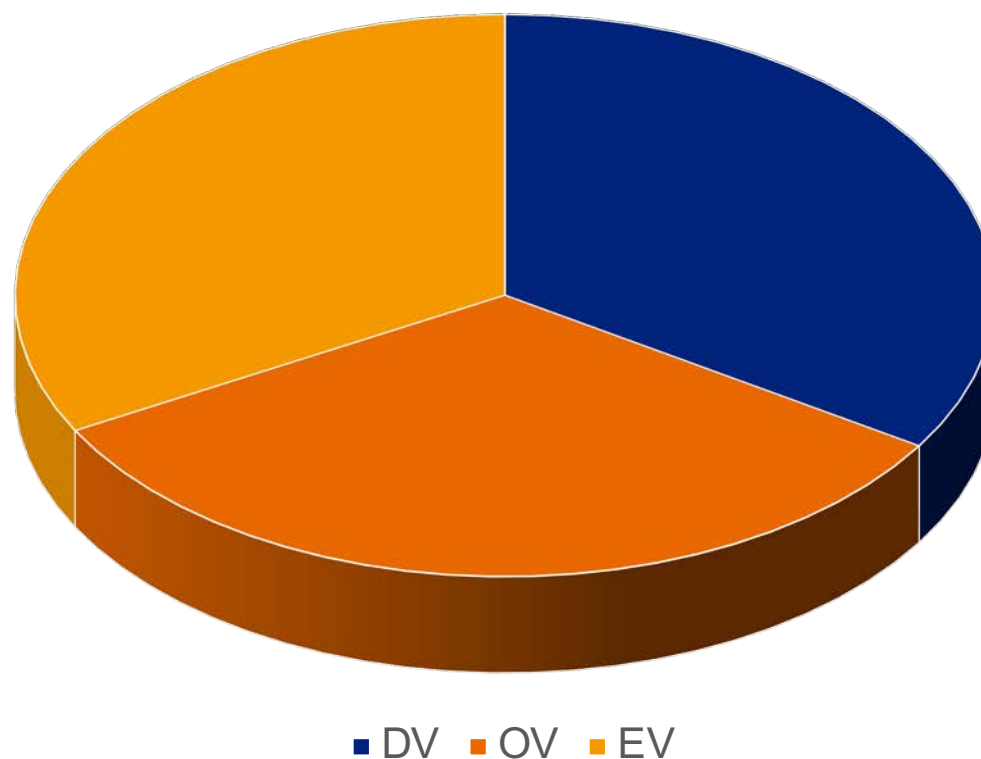
■ Let's Encrypt   ■ DigiCert   ■ Sectigo   ■ Others

# Today's market shares

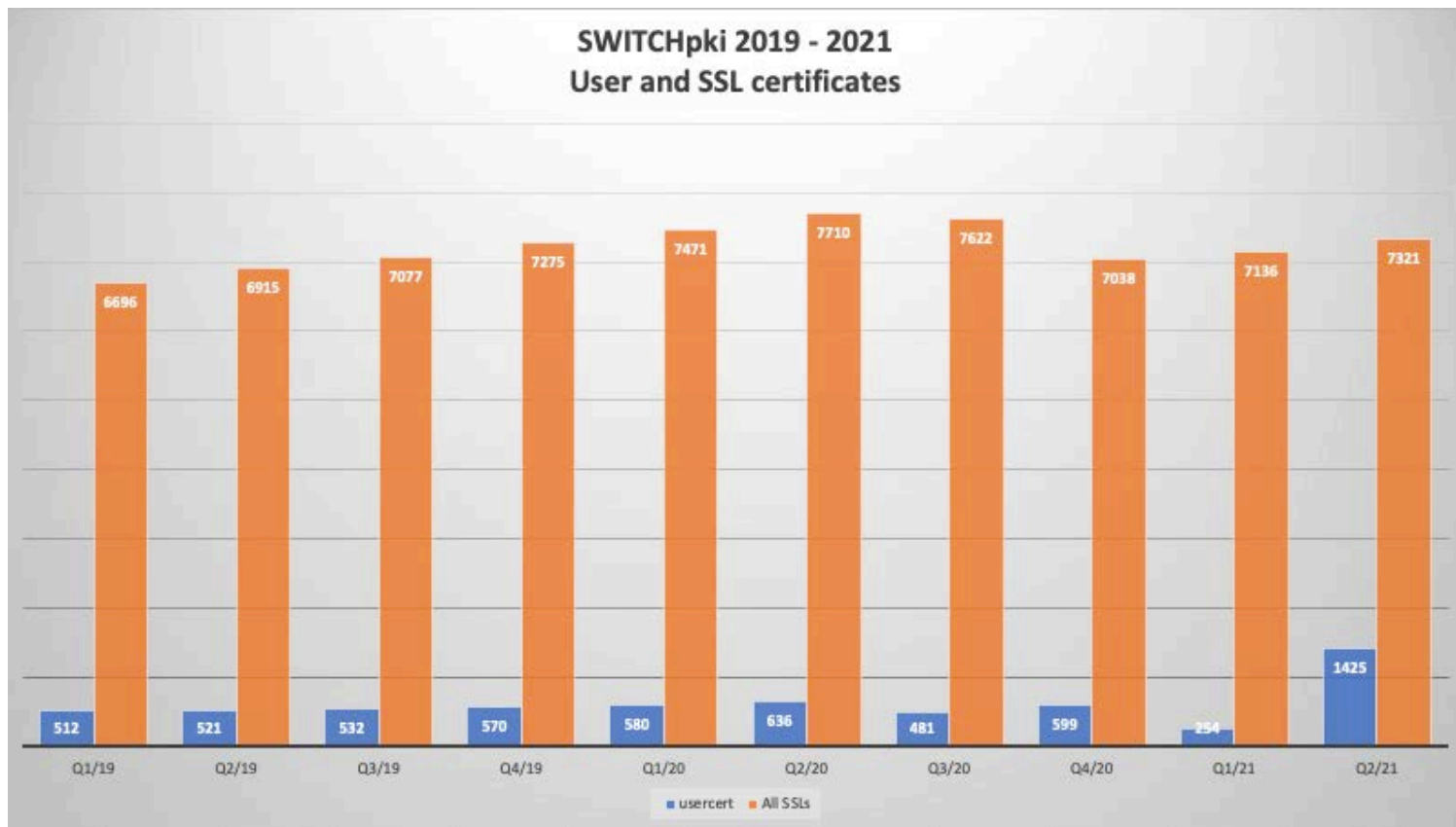
% by Certificate Type - 2020



# Share of E-commerce Transaction by Cert Type



# SWITCHpki statistics





# Automation beyond DV?

Yes!



# WHAT'S DRIVING THE NEED FOR AUTOMATION IN WEB PKI?

- Validity periods shrinking
- Disruptions due to expired/revoked certificates, industry events
- Trust decisions driven by browsers, requiring certificate agility
- Expanding numbers of certificates in organizations
- Reduced staffing, uptime requirements



USER:  
DEAN COCLIN

GLIDE 19 / 27



# Future of Trust/Link



# Our future ?



CertCentral by DigiCert

<https://www.quovadisglobal.com/repository/>