



# Enabling PKI for WInnForum/CBRS Device Manufacturers

WInnComm 2018  
Melbourne, Florida  
November 15, 2018

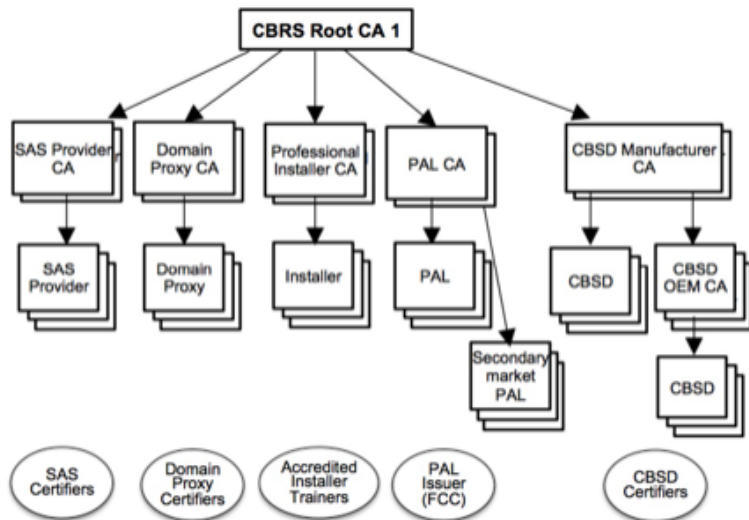
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# Today's topics

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# The role and value of digital certificates in the WinnForum/CBRS ecosystem

## CBRS Architecture



## Stakeholder Coverage

- CBSD Devices
- SAS Providers
- Domain Proxy
- CPIs/TPAs
- PALs (future)

## Value

- Mutual Authentication
- Encryption
- Trust
- Outsourced PKI

## What CAs do

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- CAs act as a trusted third party
- CAs will create a Root CA, and make available, via a publicly available website, the public keys for that Root CA to be embedded in any WinForum-related devices/software
- CAs will create Intermediate CAs which are unique to each member
- CAs authenticate that the organizations/individuals requesting digital certificates are who they represent themselves to be
- CAs will issue digital certificates that uniquely identify devices, companies, and APIs
- CAs provide a “trusted PKI infrastructure”: private keys stored in HSMs, 24x7x365 live site/DR site, and support to their customers

## How WinnForum/CBRS stakeholders will work with CAs

- All stakeholders in the WinnForum-CBRS ecosystem (SAs, Domain Proxy, CPIs, PALs, Manufacturers) are covered
- Each member will have an agreement with one or more CAs
- Each member will have one (or more) accounts with their CAs, and from those accounts they will submit orders to their CA
- The CA will authenticate/validate orders, and fulfill the orders
- The WinnForum-CBRS ecosystem members will receive batches of digital certificates and embed them in the root stores of their devices/software

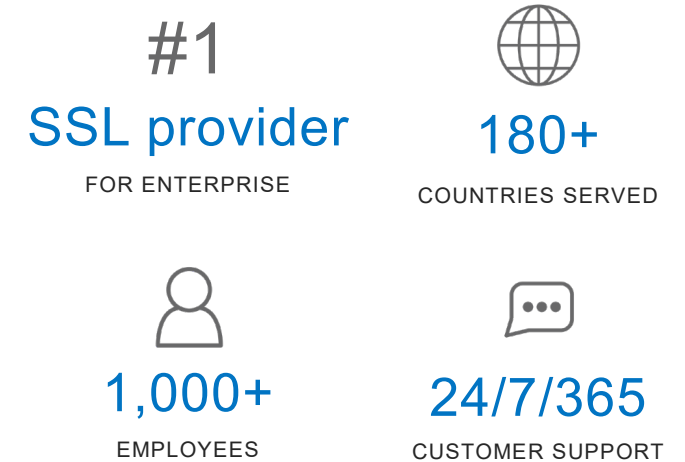
# About DigiCert

- World's leading provider of SSL, PKI, and IoT solutions<sup>1</sup>
- Securing 26 billion web connections daily
- Preferred provider to the Global 2000



DigiCert's acquisition of Symantec Website Security unites the industry's top talent to accelerate trust solutions.

<sup>1</sup> According to Netcraft and 451 Group analysis



Offices: Lehi, Utah; St. George, Utah; Tokyo, Japan; Mountain View, California; Cape Town, South Africa; Dublin, Ireland; Melbourne, Australia; Pune, India, and many others

# DigiCert – Global Leader in PKI Solutions

We are a sought-after provider of PKI and trust in IoT consortiums and ecosystems:



You are probably already using our services: for SSL, Enterprise PKI, or IoT

- Of the 89 WinnForum members with domains:
  - 33% (29) had no certificates
  - 30% (27) are DigiCert customers
  - 37% (33) all other certificates
- Of the 60 domains with certificates:
  - DigiCert has the largest share at 45%, the next largest CA had 13%



# Q & A