marlin certificates

PKCS #7 = P7B

. P12 and . PFX for private and pub

Certification path = cert chaining = chain
of thist

the certs his diff servers weed to be same

CA hierarchy

- . root = top
- · Sobordinate = interminediate
- · issuing CAS

Email certificates sign and encrypt emails

Server/compoter restificates for bordere

Private us public mot certs

public use chain of frust

private orgs must load emp pe;

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web brower w/ internal

Subject Alternative name SAN = diff
Namu

Wildeard = same namel

pinning-encore it is inspecting paper cert when client inspects cert prevents on pater

extended validation - more rigorous check on subject's regal id and control over domain

enor in str = "does not suport #"

extension field on web server

cert

X.509 cert standard & Fernat

domain validation - proving ownership of domain may be proved via <u>email</u> highly vuln

## Energpt enails w/ shithet or PGP

DER = binary CER = ASCII PEM = Base 64 . Key . cert . cert

HTTP pololic key pinning HPRP

root CA most be powered on when adding subordinate CA to hierarchy outine CA sign, publish CKL, andother cert manage tasks

Common access card CAC - smart card for cert-based auth for cert-based auta

Common name CN - used to be used for id FRON but is depression