## Digital Certificate

02.05.2025 13:59:38

			FAQ-Artikel-Ausdruck
Kategorie:	RRZE: Glossary	Bewertungen:	0
Status:	öffentlich (Alle)	Ergebnis:	0.00 %
Sprache:	en	Letzte Aktualisierung:	15:19:31 - 25.06.2010
Schlüsselwörter			
Identity, Security			
Symptom (öffentlic	h)		
Problem (öffentlich)			
Lösung (öffentlich)			
An electronic "document" based on the International Telecommunications Union (ITU) X.509 (1988) standard consisting of a public/private key pair; their usage is governed by a Policy and a Practice Statement. They can be used for verification, encryption and digital signing. A digital certificate			
can also serve as an electronic notary seal (stamp). A certificate contains a digital signature, verified by another certificate - this creates a chain of certificates that ends with the 'root' certificate (which is self-signed); the owner of the root certificate is called the Root CA.			
A Trust Policy can specify appropriate uses for a certificate: "should I trust this certificate for this action?". For example an S/MIME policy			
specifies that in order to be trusted to verify a digitally signed email, a certificate must contain an email address that matches the address of the			
sender of the email. This should also be part of an Assurance Framework.			
The structure of a digital certificate is: Certificate a. Version			
b. Serial Number			
c. Algorithm ID d. Issuer			
e. Validity i. Not Before			
ii. Not After			
f. Subject q. Subject Public Key Info			
ii. Subject Public Key h. Issuer Unique Identifier (Optional)			
i. Subject Unique Ident			
j. Extensions (Optional) Certificate Signature Algo			
Certificate Signature.			
Source: "http://identityaccessman.blogspot.com/2006/08/identity-dictionary.html"			