

PUBLIC KEY
CERTIFICATES

SUMMERY	
Matched Branch:	0
Partially Matched Branch:	7
Mismatched Branch:	0
Extra Branch:	67
Total Match:	20.0 %
Concept Match:	22.22 %
Link. Phr. Match:	0.0 %
Misconception:	100.0 %
Hierarchy Match:	45.24 %

Grade: 21.98%

key steps
summarized
as

Client may
provide the
signed certificate
to any other
user

User software
(client) creates
a pair of
keys: one
public and
one private

Client prepares
an unsigned
certificate
that includes
the user ID
and code of
public key

User provides
the unsigned
certificate
to a Certificate
Authority
in some secure
manner

Any user may
verify for
certificate
validity by
calculating
the hash code
of certificate
without the
signature,
decrypting
the signature
using the
Certificate
Authority
's known public
key, comparing
the result
for a match

Certificate
Authority
creates a
signature
using a hash
function to
calculate
the hash code
of the unsigned
certificate,
and encrypts
the hash code
with the Certificate
Authority's
private key

Certificate
Authority
attaches the
signature
to the unsigned
certificate
to create
a signed certificate
and Certificate
Authority
returns the
signed certificate
to client