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Security Pro'

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Preventing type flaw attacks

-atomic -with some Type flaw attacks can be prevented by tagging each fieldvalues, concatenations, encrypted components, etc. information giving their claimed type. (The tag for concatenations should include enough information to split into components correctly; and the tag for encryptions should include the type of the encryption key and of the body.) allow the concatenation to be

Principle 11

reasons for particular trust relations being acceptable should be explicit though they will be founded on judgement and policy know which trust relations his protocol depends on, and why the dependence is necessary. The protocol designer should rather than on logic.

Examples of Principle 11

The Kerberos protocol depends upon Kerberos and the ticket granting servers being trustworthy.

depend upon the random number generators being trustworthy. Protocols that use random values (e.g. nonces and session keys)

certificates that authenticate those public keys being accurate, so these protocols depend upon the certification authorities being Protocols that use public key cryptography depend upon the trustworthy. Medictable KNG washers in security