Abstract

Extensible Authentication Protocol is a generic framework supporting multiple types of authentication methods. In systems where EAP is used for authentication, it is desirable to not repeat the entire EAP exchange with another authenticator. Microsoft has developed EAP TLS which is an authentication protocol based on TLS (Transport Layer Security). Authentication server and client use TLS protocol to negotiate session key. The EAP re-authentication Protocol provides a consistent, method-independent and low-latency re-authentication. It is extension to current EAP mechanism to support intra-domain handoff authentication. This paper analyzed the security cost of EAP TLS & ERP with increased processor speed.
Analyzing EAP TLS & ERP Protocol with varying processor speed

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Index Terms
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Key words
- ERP
- EAP-TLS
- EMSK
- RADIUS