

ZTNA:

Already on presentation. Details unimportant before implementation stage.

Tokens and MFA:*Comparison paper*

Authentication schemes: Direct, w/ intermediary + passcode, SSO system

Types of authentication: Knowledge-based, Object-based, ID-based

The how's and why's of MFA

Mobile phone 2FA

OTP/SMS systems

Cookies paper

Mitigation of stateless-ness of HTTP protocol w/ cookies

Session hijacking and the one-time-cookie (OTC) model

Biometric authentication:*101 paper*

Enrollment process, sample storage as enrollment template, biometric scan for login, comparison of scan to template. (Minutiae algorithm, hamming distance, decision threshold)

Biometric authentication: A review

Data confidentiality, integrity, availability in security. The role of biometric authentication in Cybersecurity.

Optical fingerprint reading → Bitmap → Minutiae and correlation based techniques for matching.

Enhancing security paper

User authentication techniques and fingerprint authentication details

Fingerprint image feature extraction

Error trade-off (False rejects and False accepts balance)

Biometric systems vulnerabilities (Not the math on the second half of the paper)