UC Berkeley, MICS, W202-Cryptography

Week 10 Breakout 2

Web Security

Questions from the Asynchronous (for discussion)

    None for this week

Open Ended Discussion Questions

1. Give real world examples for each of the following Web Server Threats:

    a. Compromise of underlying system

    b. Gateway to enabling attacks on clients

    c. Disclosure of sensitive or private information

    d. Impersonation (of users to servers, or vice versa)

    e. Defacements

2. For IoT, a lot of products use web server interfaces largely due to the appeal of providing a GUI for ease of use by customers. These products typically have very low end processors and RAM compared to laptop or desktop or even tablet computers, so most vendors use very basic simple web servers, often "homebrew". Discuss the dangers of using web servers that are not widely used (or even homebrew). Discuss alternates that vendors could use instead of a web server.

3. We saw the issues with Cross-Site Scripting XSS. One solution is the Same Origin Policy SOP.   Discuss legitimate violations of SOP. Discuss balancing between security and functionality with regards to XSS and SOP.