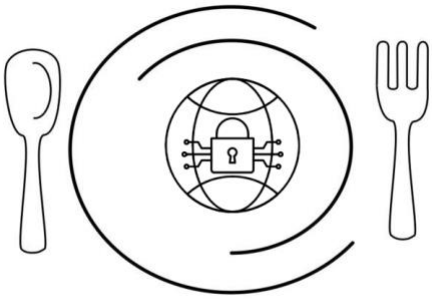


DINNER OF WEB SECURITY
[WEB BASIS AND NETWORK ATTACKS]

Appetizer

Learning with PHP

A starter guide for all aspiring web developers

Web Architecture 101

For those who need a quick bite of the conceptual structure for the world wide web

Salad & Soup

The Basics of Web Application Security

A text that is compiled by Martin Fowler which covers basic web security concepts that all web developers must know. The contents include network security topics such as data-in-transit protection and certificate

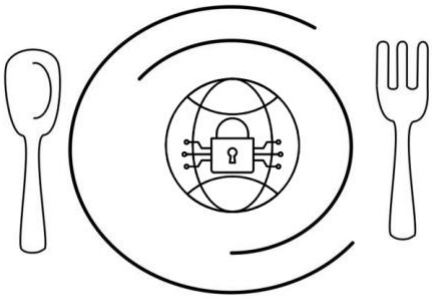
Beginner's guide for SSL & TLS

The basic introduction to TLS/SSL and its components

Understanding PKI

The inner workings of PKI, including the use of various security components to build PKI

Last update: April 23, 2021



Entrée

Exploring the limits of TLS 1.3

New TLS 1.3 (2018) addressed numerous security problems which include contemporary principles and design. Exploring loopholes of new protocol will be the key to increase robustness

Visualizing DNS in WWW

Visualizing the flow of DNS is always a great way of understanding the connection between internet users, root servers, TLD, DNS and destination server

POODLE SSL 3.0 Downgrade Attack

If breaking encryption is not possible, why not downgrade them? Breaking weaker protection is always easier than to tackle robust protection

Raccoon Attack on TLS 1.2

Possible to break encryption in TLS 1.2 and read communication in plaintext. The positive side? It is very difficult to replicate. Updates has been released, and it is time for the web to migrate towards TLS 1.3

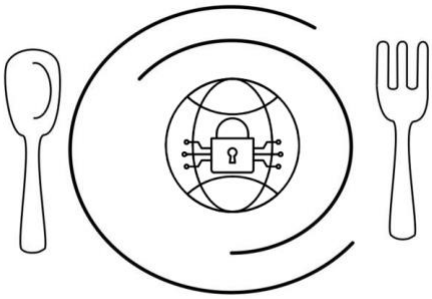
Certificate Transparency

Public scrutiny of certificate authorities is always a good option. Early detection of malicious certificates can be revoked more quickly

Extra Spicy -

Decentralized PKI for IoT

The use of blockchain can help in avoiding a single point of failure for PKI. Scalability, feasibility and efficiency is the focus of this research paper



Dessert

HTTPS by Default

Moving away from HTTP into a secure world wide web. A major milestone in web security

Reinventing the World Wide Web

Creating the internet is not an easy task, but remaking the web is on another new level. This time, it will include many inbuilt features such as security and privacy

Drinks

DNSSEC Basics

101 on DNS Security Extensions. Best for those who need to understand DNSSEC after knowing the basics of DNS

Zero Sugar, Extra Shot -