

**Your grade: 100%**[Next item →](#)Your latest: **100%** • Your highest: **100%** • To pass you need at least 80%. We keep your highest score.**1.** What is HSTS (HTTP Strict Transport Security)?**2 / 2 points**

- ☐ A mechanism to ensure cookies are stored securely.
- ☐ A protocol for secure password exchange.
- ☒ A policy for web protocols to enforce secure HTTPS connections and prevent downgrade attacks.
- ☐ An encryption cipher for the web.

 **Correct****2.** What can we use bettercap for, primarily, as an offensive attack tool?**1 / 1 point**

- ☐ To encrypt file systems.
- ☐ To perform forced software updates.
- ☒ To intercept, manipulate, and analyze network traffic for penetration testing.
- ☐ To secure wireless communication channels.

 **Correct****3.** SSH uses its own encryption protocol based on the authentication method, but HTTPS relies on \_\_\_\_ encryption protocol.**2 / 2 points**

TLS

 **Correct****4.** True or False: HSTS implemented in a browser means the communication is immune from man-in-the-middle attacks.**1 / 1 point**

- ☐ True.
- ☒ False.

 **Correct**