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Mobile Application

CPRG 303

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What is your security recommendation? Why did you choose it?

One of the basic fundamental security recommendation, is to incorporate HTTPS in every interaction to our weather mobile application and its own server. This will make sure that all information sent between the application and the server is encrypted, guarding against tampering or illegal access to private data like the user's location or preferences.

Who does the recommendation benefit (end-user, developer, etc.)?

The recommendation will benefit both developers as well as end users. End-users may be sure that their data is secured and is shielded from bad data or interception. By using HTTPS, developer will be protected the application with integrity and reduce the threats of data breaches.

When would the recommendation have to be implemented (based on how serious the security risk is)?

During the development stage, HTTPS implementation should be one of the top priorities and to incorporate it into the application. Additionally, with order to reduce the risks involved with sending sensitive data over unsecure channels. Implementing it later could leave users and the application vulnerable to serious security flaws.

Why do you think your project needs your recommendation?

The recommendation is necessary for our weather application project to guarantee the accuracy, and legitimacy of user data. Without HTTPS, hackers could intercept private data being sent between the server and the mobile application, compromising user confidence and the integrity of the application.

How do you think your recommendation could be applied?

In order to implement HTTPS, the server hosting the backend services for the weather mobile application must have an SSL/TLS certificate. Even though there could be some initial setup and configuration needed, the implementation process is doable, documented, and has online resource for guidance.

To further elaborate, HTTPS is a widely accepted security solution, its deployment is very feasible. We can configure HTTPS for the weather application with the help of a online tutorials and guidelines and many web hosting companies offer built-in support for the protocol. In summary, the adoption of HTTPS is a worthy project due to the long-term benefits it offers in terms of security and consumer confidence, even though it may involve some initial effort.