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Application and Data Security

Call to Action

After learning about application and data security, put it to action using this Call to Action document.

In this document you can find actionable tasks that will help you secure your application and data.

1. Make sure communication is secure

    Go through all communication paths in the system, and make sure they're all encrypted using and up-to-date TLS version. Make sure no deprecated versions, such as SSL 1.x or TLS 1.1 are used.

    Write down the communication paths that are not secure and need attention:

    Non-secure communication paths:

    Between (component or service) _____ to (component or service) _____

    Between (component or service) _____ to (component or service) _____

    Between (component or service) _____ to (component or service) _____

    Between (component or service) _____ to (component or service) _____

2. **Make sure there's authentication in place**

All services in the system must know who calls them. This should be done using authentication. Go through the APIs of the system and check whether there are any APIs that are not authenticated. Write these down for later handling.

Non-authenticated APIs:

_____

_____

_____

_____

3. Make sure data is encrypted

Almost all modern databases offer built-in data encryption.

Go through the various databases used in your system, and for each one of them indicate whether data is encrypted or not:

Database name	Purpose	Data encrypted?

Print this document and use it for running the security tasks.

Good luck!

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