

PASTA worksheet

| Stages | Sneaker company |
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| I. Define business and security objectives | <p>Make 2-3 notes of specific business requirements that will be analyzed.</p> <ul style="list-style-type: none">• <i>Will the app process transactions?</i>• <i>Does it do a lot of back-end processing?</i>• <i>Are there industry regulations that need to be considered?</i> |
| II. Define the technical scope | <p>List of technologies used by the application:</p> <ul style="list-style-type: none">• <i>Application programming interface (API)</i>• <i>Public key infrastructure (PKI)</i>• <i>SHA-256</i>• <i>SQL</i> <p>Write 2-3 sentences (40-60 words) that describe why you choose to prioritize that technology over the others.</p> |
| III. Decompose application | Sample data flow diagram |
| IV. Threat analysis | <p>List 2 types of threats in the PASTA worksheet that are risks to the information being handled by the application.</p> <ul style="list-style-type: none">• <i>What are the internal threats?</i>• <i>What are the external threats?</i> |
| V. Vulnerability analysis | <p>List 2 vulnerabilities in the PASTA worksheet that could be exploited.</p> <ul style="list-style-type: none">• <i>Could there be things wrong with the codebase?</i>• <i>Could there be weaknesses in the database?</i>• <i>Could there be flaws in the network?</i> |
| VI. Attack modeling | Sample attack tree diagram |
| VII. Risk analysis and impact | <p>List 4 security controls that you've learned about that can reduce risk.</p> |
