

## PASTA worksheet

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

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