

PASTA worksheet

Stages	Sneaker company
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>Users are able to create logins - Member Profiles</i>• <i>App must process transactions</i>• <i>App must be in compliance of PCI-DSS</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>APIs control the exchange of sensitive information/data between everyone within the ecosystem including the connections of users and systems. This would include customers, employees and partners so prioritizing this would be beneficial. However, this does not mean we should prioritize on only one thing due to the nature of an expanding attack surface</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>Injection</i>• <i>Session/Token Hijacking</i>
V. Vulnerability analysis	<p>List 2 vulnerabilities in the PASTA worksheet that could be exploited.</p> <ul style="list-style-type: none">• <i>Broken API Token</i>• <i>Lack of prepared statements</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>

	SHA-256, incident response procedures, password policy, principle of least privilege
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