

**TABLE 9.1** Security General Scenario

Portion of Scenario	Possible Values
Source	Human or another system which may have been previously identified (either correctly or incorrectly) or may be currently unknown. A human attacker may be from outside the organization or from inside the organization.
Stimulus	Unauthorized attempt is made to display data, change or delete data, access system services, change the system's behavior, or reduce availability.
Artifact	System services, data within the system, a component or resources of the system, data produced or consumed by the system
Environment	The system is either online or offline; either connected to or disconnected from a network; either behind a firewall or open to a network; fully operational, partially operational, or not operational.
Response	<p>Transactions are carried out in a fashion that such</p> <ul style="list-style-type: none"> <li>• Data or services are protected from unauthorized access.</li> <li>• Data or services are not being manipulated without authorization.</li> <li>• Parties to a transaction are identified with assurance.</li> <li>• The parties to the transaction cannot repudiate their involvements.</li> <li>• The data, resources, and system services will be available for legitimate use.</li> </ul> <p>The system tracks activities within it by</p> <ul style="list-style-type: none"> <li>• Recording access or modification</li> <li>• Recording attempts to access data, resources, or services</li> <li>• Notifying appropriate entities (people or systems) when an apparent attack is occurring</li> </ul>
Response Measure	<p>One or more of the following:</p> <ul style="list-style-type: none"> <li>• How much of a system is compromised when a particular component or data value is compromised</li> <li>• How much time passed before an attack was detected</li> <li>• How many attacks were resisted</li> <li>• How long does it take to recover from a successful attack</li> <li>• How much data is vulnerable to a particular attack</li> </ul>

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