

Confidentiality	Integrity	Availability	Failure Point	What additional defense could be deployed
Sensitive internal business data was accessed and potentially exfiltrated by attackers	Data on IT systems was encrypted and potentially altered by attackers;	Fuel pipeline was shut down, disrupting fuel supply to the East Coast,	Segmentation between IT and OT insufficient	<ul style="list-style-type: none"> <li>- Improved IT/OT network segmentation</li> <li>- Zero Trust architecture</li> </ul>
		Causing shortages and economic impact.	Malware from IT could potentially spread to OT systems.	<ul style="list-style-type: none"> <li>- Endpoint Detection &amp; Response (EDR)</li> </ul>
Customer, operational, or financial information may have been at risk.	business processes and records were compromised.	Colonial Pipeline's operational technology (OT) was shut as a precaution to avoid further spread.	Incident response plan lacked speed and readiness.	<ul style="list-style-type: none"> <li>- Incident response drills</li> <li>- Regular backups</li> <li>- Enhanced employee phishing training</li> </ul>
			Insufficient monitoring and anomaly detection.	<ul style="list-style-type: none"> <li>- Network monitoring for anomalous activity</li> <li>-- Multi-factor authentication for remote access</li> </ul>