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CS-305

A certificate authority (CA) is a trusted third party that helps keep your online interactions safe by verifying identities and issuing secure certificates. When you visit a website with a legitimate CA-issued certificate, your browser automatically trusts it, so you don’t encounter security warnings and there is no need for independent verification. This is important for preventing hackers from gaining access to and meddling with your data. CAs also handle the important behind-the-scenes stuff like issuing, renewing, and revoking certificates, so businesses don’t have to actively worry about expired or compromised security. In addition, a lot of industries require CA-issued certificates to meet security regulations, making them essential for staying safe and compliant in online spaces.

A screenshot of a computer

AI-generated content may be incorrect.