



Menu

Glossary terms from course 3, module 3

Terms and definitions from Course 3, Module 3

- Application Programming Interface (API) key:** This is an authentication token that calls an API, which is then called to identify the person, programmer, or program trying to access a website
- Computer protocols:** Guidelines published as open standards so that any given protocol can be implemented in various products
- Distributed:** Each developer has a copy of the whole repository on their local machine
- GitHub:** A web-based Git repository hosting service, allowing users to share and access repositories on the web and copy or clone them to a local computer
- Merge:** An operation that merges the origin/master branch into a local master branch
- Private key:** A secret and secure cryptographic key that must be kept confidential and protected and is used to decrypt data that has been encrypted with the corresponding public key
- Public key:** A safety cryptographic structure frequently employed to establish secure communication through data encryption or to validate the authenticity of a digital signature
- Rebasing:** The base commit that's used for a branch is changed
- Remote branches:** Git uses read-only branches to keep copies of the data that's stored in the remote repository
- Remote repositories:** Repositories that allow developers to contribute to a project from their own workstations making changes to local copies of the project independently of one another
- Secure Shell (SSH):** A robust protocol for connecting to servers remotely
- SSH client:** This establishes a connection to the SSH server, ensuring a secure interaction, where the client makes access requests
- SSH key:** An access credential
- SSH protocol:** Standard commonly used for logging in to servers remotely on the principle of public-key encryption
- SSH server:** This establishes secure network connections, undergoes mutual authentication, and initiates encrypted login sessions or file transfers

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