

Practical Cryptography in Node.js

INTRODUCTION TO CRYPTOGRAPHY IN NODE.JS



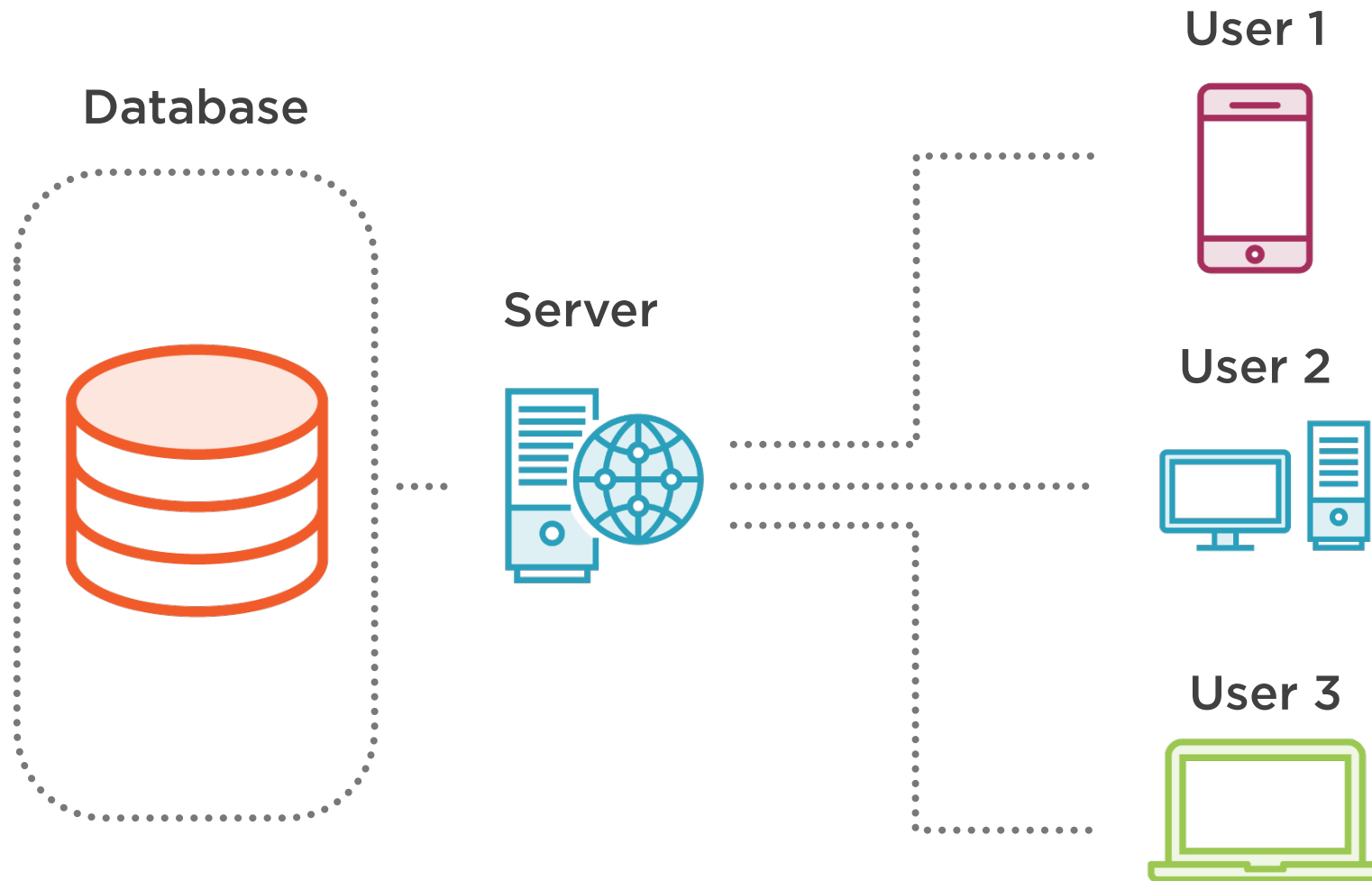
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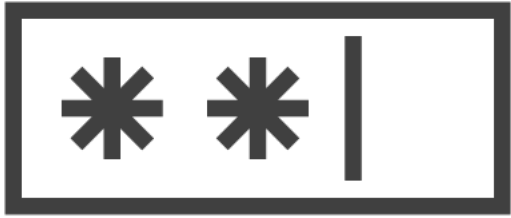


Cryptography in Context



- Where is cryptography needed?
- How do I encrypt the right way?
- How do I make it easier?

Four Ways to Use Cryptography



Protecting
passwords



Protecting data
at rest



Protecting data
in transit



Two-factor
authentication

A Tour of Crypto Libraries in Node.js



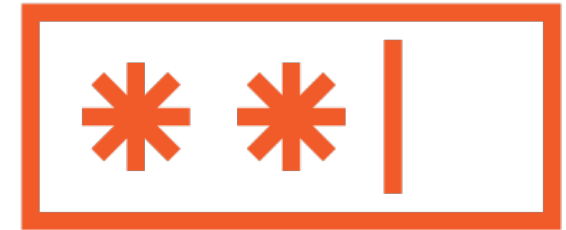
Whirlwind Tour of Crypto Module



Cipher/Decipher



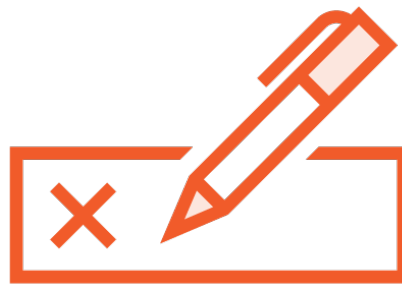
DiffieHellman/ECDH



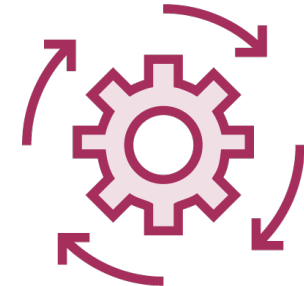
Hash



HMAC



Sign/Verify



Crypto methods

Summary



A complex application has many places where data could be compromised

You need cryptography in the right places to protect your sensitive data

Node's Crypto module provides several classes you can use to encrypt and protect data

Your next web application will be more secure when you know how to encrypt with Node.js

