

What is OpenZeppelin?



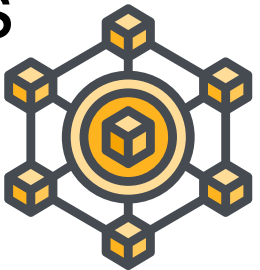
- OpenZeppelin is a collection of secure, audited smart contracts
- It provides ready-made contracts like ERC20, ERC721, Ownable, Pausable
- Used to build secure and standard blockchain applications
- Saves development time and reduces bugs



Why Industry Trusts OpenZeppelin?



- Contracts are security audited
- Used by top blockchain companies & protocols
- Follows Ethereum standards (EIPs)
- Actively maintained and updated
- Reduces chances of hacks & vulnerabilities



Real-World Use Cases



- Creating ERC20 tokens (coins)
- Creating NFTs (ERC721)
- Ownership & admin control using Ownable
- Role-based access using AccessControl
- Pausing contracts during emergency
- Used in DeFi, NFTs, DAOs, Web3 apps

