ChatGPT

Contracts Dependency Guide

This project relies on OpenZeppelin's upgradeable smart contract libraries.

Required Packages

Install all dependencies using:

```
npm install @openzeppelin/contracts-upgradeable
npm install --save-dev @openzeppelin/hardhat-upgrades
```

📦 Key Dependencies Used in Contracts

• **Reentrancy Protection:**

```
import "@openzeppelin/contracts-upgradeable/security/
ReentrancyGuardUpgradeable.sol";
```

• **Access Control & Ownership (if used):**

```
import "@openzeppelin/contracts-upgradeable/access/OwnableUpgradeable.sol";
```

• **UUPS Upgradeability (if applicable):**

```
import "@openzeppelin/contracts-upgradeable/proxy/utils/
UUPSUpgradeable.sol";
```

🛠 Additional Hardhat Setup

In `hardhat.config.js`, add this line to enable upgradeable deployments:

```
require('@openzeppelin/hardhat-upgrades');
```

Recommended Project Structure

```
compile-env/
├── contracts/
│   └── MultiEscrowManager.sol
├── scripts/
│   └── deploy.js
├── .env
├── hardhat.config.js
├── package.json
└── README.md (this file)
```

Security Tip

Always test on a fork or testnet (like Sepolia) before deploying to Ethereum mainnet.

Happy building