

# Bos 多链开发实践





## Agenda

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Dapdap



多链开发实践



Q&A

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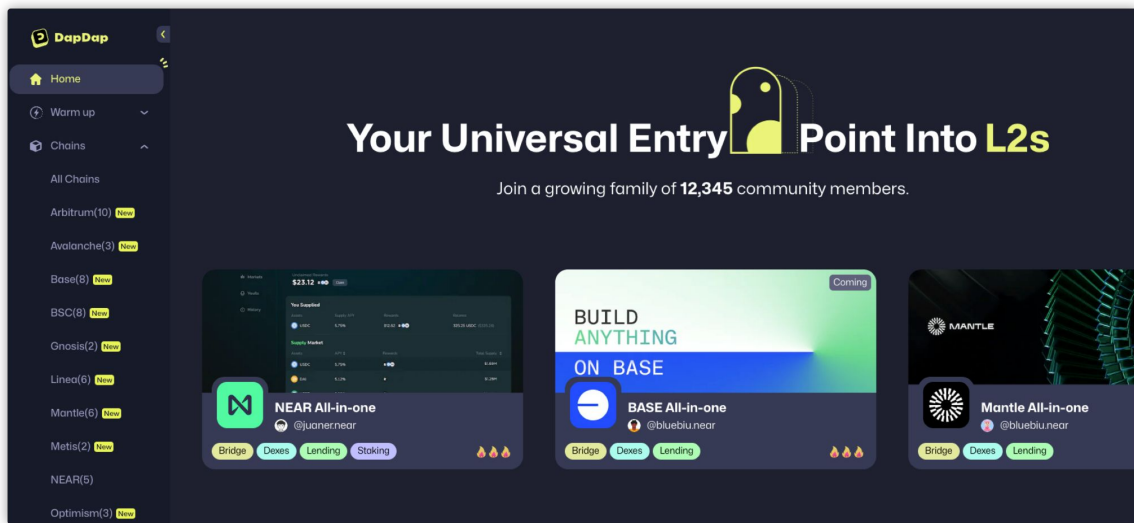
**Dapdap**

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# 是什么？

Dapdap是一个多功能的多组件应用平台系统，它是建立在Blockchain Operating System(BOS)之上的。



More info at <https://alpha.dapdap.net/>

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## Bos多链开发实践



## Multi chains

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- Near vs Evm
- Evm系



## Near vs Evm系

	Near	Evm系
测试环境	外部配置	内部配置
登录	外部完成	内部完成(Web3Connect组件)
	<code>context.accountId</code>	<code>Ethers.send("eth_requestAccounts", [])[0]</code>
开发	UI、逻辑开发一致	
	Near.call	Contract.method

*Tips: 外部是指接入 Bos 组件的应用; bos 组件内部*



## Near vs Evm系

### Near

```
Near.call([
  {
    contractName: contractId,
    methodName: "unstake",
    args: {
      amount: "100000000000000",
    },
  },
]);
```

### Evm系

```
const TokenContract = new ethers.Contract(
  lpToken.address,
  [
    { ""
  ],
  Ethers.provider().getSigner()
);
TokenContract.allowance(ethAccount, liquidAddress).then((allowanceRaw) => {
  State.update({ ""
});
});
```





## 切链

- Near <-> Evm系
- Evm系 <-> Evm系

```
Ethers.send("wallet_switchEthereumChain", [  
    { chainId: `0x${Number(chainId).toString(16)} ` },  
]);
```



```
const switchChain = async (chain: any, onClose: () => void) => {
  try {
    await ethersContext.provider.request({
      method: 'wallet_switchEthereumChain',
      params: [{ chainId: `0x${chain.chainId.toString(16)}` }],
    });
    onClose();
  } catch (switchError: any) {
    if (switchError?.code !== 4902) {
      onClose();
      return;
    }
    try {
      await ethersContext.provider.request({
        method: 'wallet_addEthereumChain',
        params: [
          {
            ...chain,
            chainId: `0x${chain.chainId.toString(16)}`,
          },
        ],
      });
      onClose();
    } catch (error) {
      console.error('Failed to setup the network in Metamask:', error);
      onClose();
    }
  }
};
```

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**Q & A**

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# Thanks!