

CrossSpaceCall

CrossSpaceCall conflux coreSpace ESpace coreSpace ESpace

- 1. conflux CoreSpace ESpace conflux
- 2. CoreSpace ESpace

- Conflux

createEVM

espace call

call createEVM nce+1 call

- init

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transferEVM

PoW Espace

- conflux

- to: PoW Espace

•

callEVM

ESpace

call

- to: PoW Espace

- data: encode

•

staticCallEVM

ESpace

- to: CroeSpace ESpace
- data: encode

•

withdrawFromMapped

ESpace

CoreSpace

- value:

mappedBalance

CoreSpace CoreSpace

- address: CoreSpace

-

mappedNonce

CoreSpace CoreSpace nonce

- address: CoreSpace

- nonce

```
// SPDX-License-Identifier: MIT
pragma solidity >=0.5.0;
```

```
interface CrossSpaceCall {

    event Call(bytes20 indexed sender, bytes20 indexed receiver, uint256 value, uint256 nonce,
bytes data);

    event Create(bytes20 indexed sender, bytes20 indexed contract_address, uint256 value,
uint256 nonce, bytes init);

    event Withdraw(bytes20 indexed sender, address indexed receiver, uint256 value, uint256
nonce);

    event Outcome(bool success);

    function createEVM(bytes calldata init) external payable returns (bytes20);

    function transferEVM(bytes20 to) external payable returns (bytes memory output);

    function callEVM(bytes20 to, bytes calldata data) external payable returns (bytes memory
output);

    function staticCallEVM(bytes20 to, bytes calldata data) external view returns (bytes
memory output);

    function withdrawFromMapped(uint256 value) external;

    function mappedBalance(address addr) external view returns (uint256);

    function mappedNonce(address addr) external view returns (uint256);
}
```

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