

Week12 Contract address

9.20 Conflux create2

Conflux `create2`

Conflux

`create2` Conflux

hex

```
# Web3.py
# from web3 import Web3
from conflux_web3 import Web3

# salt bytes32
def compute_address_using_salt(salt: bytes, bytecode_hash: bytes, deployer: HexAddress):
    core_part = Web3.solidityKeccak(
        ["bytes1", "address", "bytes32", "bytes32"],
        ["0xff", deployer, salt, bytecode_hash]
    )
    return "0x8" + core_part.hex()[-39:]
```

9.21 Conflux

Conflux `create2` `nonce`

`create2`

Conflux `hex`

```
# Web3.py
# from web3 import Web3
from conflux_web3 import Web3

def compute_address_using_nonce(nonce: int, bytecode_hash: bytes, deployer: HexAddress):
    core_part = Web3.solidityKeccak(
        ["bytes1", "address", "bytes32", "bytes32"],
        ["0x00", deployer, nonce.to_bytes(32, "little"), bytecode_hash]
    )
    return "0x8" + core_part.hex()[-39:]
```

9.22 Create2Factory

Conflux [CIP-31](#) `Create2Factory`

`0x8a3a92281df6497105513b18543fd3b60c778e40` `create2`

9.23 Conflux OppenZeppelin Clones, Create2

OppenZeppelin Clones Create2 minimal proxy create2 [confluxOppenZeppelinClones.sol](#),
[Create2.sol](#)

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