

Casper 2.0 -> Condor

Deep Dive II

casper

Ed & Mark May '24

Account Model

- Associated Keys
- Action Thresholds
- Native Multi-Sig
- Other

Account Unification

- Smart Contracts <-> Externally Owned Accounts
- Addressable Entity
- Smart Contracts
 - Factory pattern
 - Payable
 - Own Purse

Purse Enhancements

- Account -> Purse
 - 1...N relationship
 - Each purse has own permission set

Smart Contract DX

- Odra
 - Rust like eDSL
 - Port of ink! project
 - 1.0 release imminent
- VM 2.0
 - Simplified pure rust like experience
 - Upgraded was backend
- Contract metadata
 - Compilation artefact
 - Makes upstream tooling feasible

Smart Contracts +

- **Factory pattern**
 - **Can instantiate & endow child contracts**
- **Owns Purse**
 - **Payable**
- **Access Groups**
 - **Function level permissions**
- **Natively Upgradeable**
 - **By version**
 - **Disable | Immutable**
 - **Multi-Sig setup**

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