

Kava 10 Software Upgrade Proposal

Kava Labs

5/17/2022

Overview

This `SoftwareUpgradeProposal` specifies the upgrade block height and procedure for upgrading the current kava-9 blockchain to kava-10. Note that the chain-id will be `kava_2222-10`, in order to make the chain-id compatible with Ethereum network IDs.

Key Dates

1. We propose that the final block of kava-9 occur at block height **1610471**, which will be on May 25th, 2022 at approximately 15:00 UTC.
2. We propose that the genesis time of kava_2222-10 occur on May 25th, 2022 at 17:00 UTC.

Software Version

We propose that the software release tagged v0.17.1, or the most recent minor release on the v0.17 branch (v0.17.2, for example), be the software for kava-10. Note that at the time of writing v0.17.1 has not been released, but a release candidate can be reviewed [here](#). Note that no changes to the v0.17 state machine will be made prior to the upgrade. In the event that state machine changes are needed, the v0.17 branch will be abandoned and a new upgrade proposal will be submitted that supersedes this one.

Migration Guide

The migration guide for validators can be reviewed at https://github.com/Kava-Labs/kava/blob/master/migrate/v0_17/migrate.md

Key Features

- Adds support for EVM based smart contracts
- Adds support for savings deposits, claims and rewards
- Upgrades cosmos-sdk to v0.45.3
- Upgrades ibc-go to v3.0.0
- Adds ethermint v0.14.0

Upgrade Guide for Wallets, Explorers, Exchanges

https://docs.google.com/document/d/1NqT1S0xgtH_b7DTY6rCZKFL2FzGuYyqGqJcV27aqhFE/edit?usp=sharing

Pre-release Testnet

Kava-testnet-15000 is a publicly available testnet to test validation and external integrations for kava-10. Publicly available endpoints are:

- Kava SDK REST API (<https://api.evm-alpha.kava.io/>)

- Kava SDK RPC (<https://rpc.evm-alpha.kava.io/>)
- Kava SDK GRPC (grpc.evm-alpha.kava.io)
- Kava WebSocket (<wss://rpc.evm-alpha.kava.io/websocket>)
- Kava GRPC-Web (<https://wgrpc.evm-alpha.kava.io>)
- Ethereum http JSON-RPC (<https://evm.evm-alpha.kava.io/>)
- Ethereum Websocket JSON-RPC (<wss://evm-ws.evm-alpha.kava.io>)

The following Chain IDs should be used with the above endpoints:

- Cosmos Chain ID: kava_2221-15000
- EVM Chain ID: 2221

Fallback

If the kava-10 chain does not launch by May 25, 2022 at 21:00 UTC, the launch should be considered a failure and validators should refer to the [rollback](#) instructions to restart the previous kava-9 chain. In the event of launch failure, coordination will occur in the [Kava discord](#).