

A samurai warrior in full armor is mounted on a dark horse, holding a long katana aloft. The scene is set in a misty, dusty battlefield with other soldiers and red banners visible in the background. The word "Shogun" is written in a large, white, stylized font across the center of the image.

Shogun

Fully On-chain Strategy Game on Taiko based on real-time weather

Motivation

- We wanted to connect real world data with blockchain.
- *Taiko is perfect because it:*
 - Is censorship-resistant, permissionless, secure, Ethereum-equivalent (L1) solution.
 - Has lower transaction fees and faster transaction finality compared to the Ethereum mainnet.
 - Is developer-friendly.
 - Has a large and engaged community.
- Acurast is a potential solution to easily get Web2 API data for weather conditions.

Acurast - What is it?

- Decentralized Serverless Cloud - where old phones are used as processors.
- Deployed NodeJs Scripts run inside Trusted Execution Environment (TEE).
- Processor Owners have no idea what their processor is running, they get cACU tokens. (Same model as Chainlink, but potentially more decentralized).
- API data is forwarded to smart contract with minimal trust overhead.

Acurast Cluster of old phones



The left one is ours

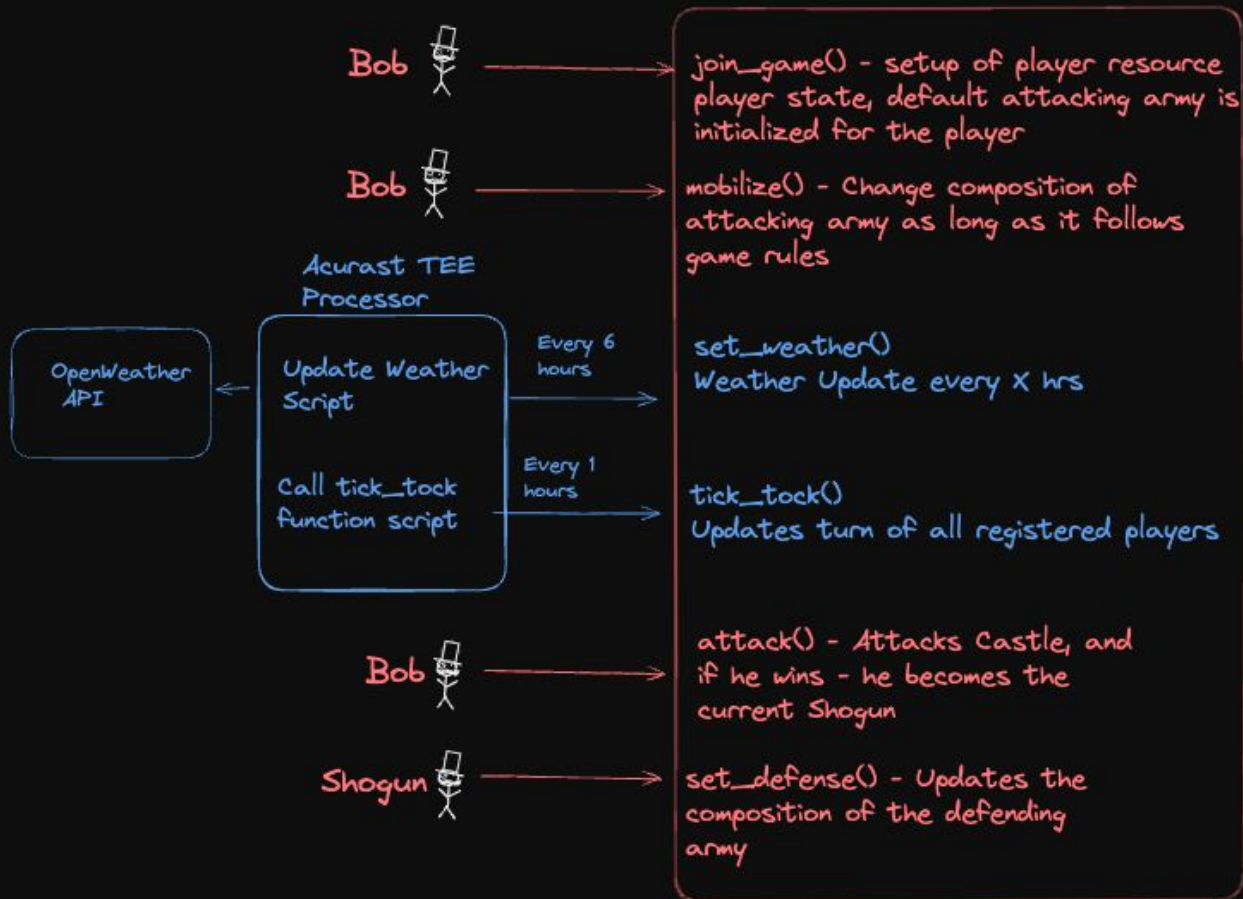
Contributions of this project:

- We get Weather Data from OpenWeather API using Acurast as Oracle, thereby introducing a new potential oracle solution for the ecosystem.
- We also use Acurast Processors as Keepers (Decentralized Cron Job) - unlocks a new pattern for turn based games and DEFI projects on Taiko.
- We have built an intuitive and user-friendly web interface that streamlines interaction with the game.

Capture Castle Tokyo - There can be only one Shogun

- The goal is to capture the castle, and keep it for as long as you can.
- Everyone attacks the king of the castle (Shogun).
- Attackers can have upto 2000 troops, while defenders can also have up to 2000 troops.
- Troops consists of Archers, Cavalry and Infantry.
- Troops have their advantages and disadvantages based on current weather conditions.
- Attackers have to check weather and change their troop composition to have a better chance of winning.
- Current Shogun can also keep changing defense composition based on Weather.

Warlords/Shogun Module



How is Weather affecting battles?

- Weather States - Clear, Cloudy, Snow, Rain, Drizzle, Thunderstorm.
- Cavalry struggles during thunderstorms (-25% bonus), amazing on a cloudy day (+25% bonus).
- Infantry has advantage in Thunderstorms.
- Archers get boost on a clear day.
- Players get turns every hours, but burns 3 turns to attack, and 1 turn to change troop composition.
- Max 100 turns.

Our Work

- Github - https://github.com/jsmaxi/taiko_shogun_game
- Website - <https://taiko-shogun-game.vercel.app/>
- Mainnet Address -
<https://taikoscan.io/address/0xA70904c7A115989E543a33a11d34B6EC74B965e7>
- Testnet Address -
[https://hekla.taikoscan.io/address/0x9Fc44926b55b04028f50767dbA90F09155993b1](https://hekla.taikoscan.io/address/0x9Fc44926b55b04028f50767dbA90F09155993b1c)
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- Detailed Overview, Acurast Oracle and other links can be found in Github Readme

Demo!

将軍 Shogun

Waitlist Features Troops Weather

PLAY

SHOGUN The Rise of Empires



A Decentralized Game Built On TAIKO Blockchain
« LIVE ON TESTNET & MAINNET »



Become the Shogun. Rule ancient Japan in this epic blockchain game. Build and lead your army, attack the castle and claim your destiny!

PLAY NOW >



Set in the Edo period of Japan, the goal of the game is to build a strong castle. Real-time weather conditions in Tokyo gameplay and strategy. For example, rain hinders infantry, while clear skies provide a bonus to cavalry in battle.

WATCH TRAILER

将軍 Shogun

Dashboard

Attack

Defense

Rankings

Marketplace

Help

Wallet

TAIKO

Story

Taiko Mainnet



SHOGUN : Rise of Empires



Player Info »

General's Name

Castle Owner

Remaining Turns

00 7

Ranking Points

0

Last turn Update

11/16/2024, 1:00:59 PM

Castle Info »

Weather

Clear

Last Weather Update

11/16/2024, 1:00:59 PM

Current King

0x82D863F3...

Last King Update

11/16/2024, 1:00:59 PM