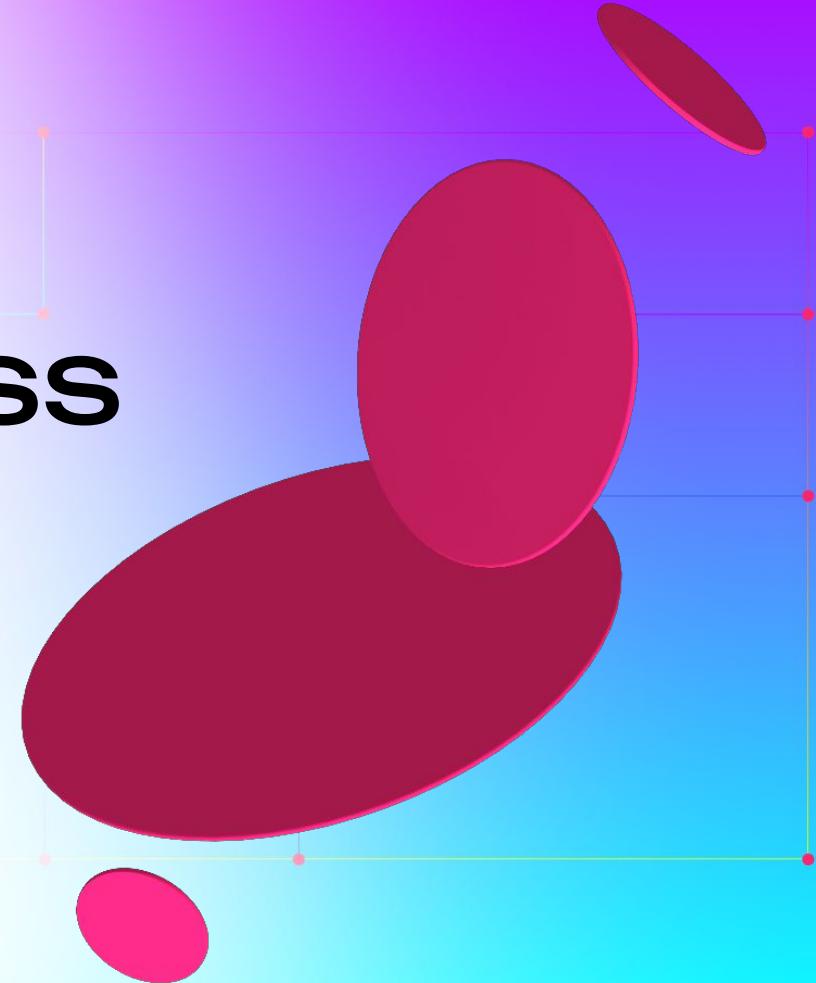




Introduction to...

Permissionless Cloud with **POLKADOT**





Hi! I'm Maciej Żyszkiewicz



- Core Dev @ **Polkadot**
- Polkadot Blockchain Academy Instructor



Agenda

1

Blockchain
Fundamentals

2

Polkadot Cloud with
PDP

3

Polkadot Hub
with Revive

4

Polkadot Education
With PBA



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Fundamental misunderstanding of these terms:

Cryptocurrency

Blockchain

DeFi

Web3



Not the same!

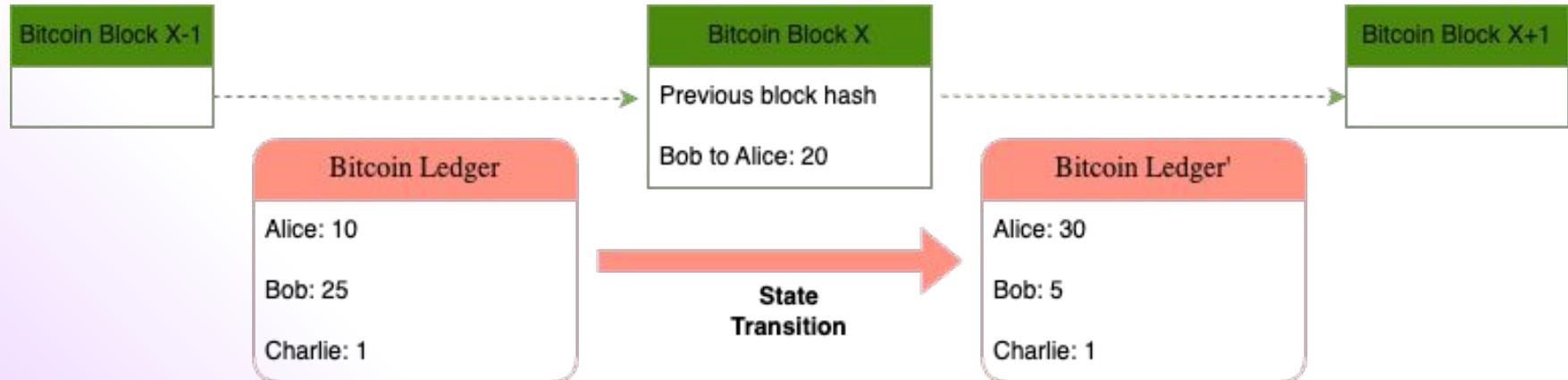


Fundamental misunderstanding of these terms:

| | |
|----------------|--------------|
| Cryptocurrency | A resource |
| Blockchain | A technology |
| DeFi | A vertical |
| Web3 | A movement |



Ledger Blockchains





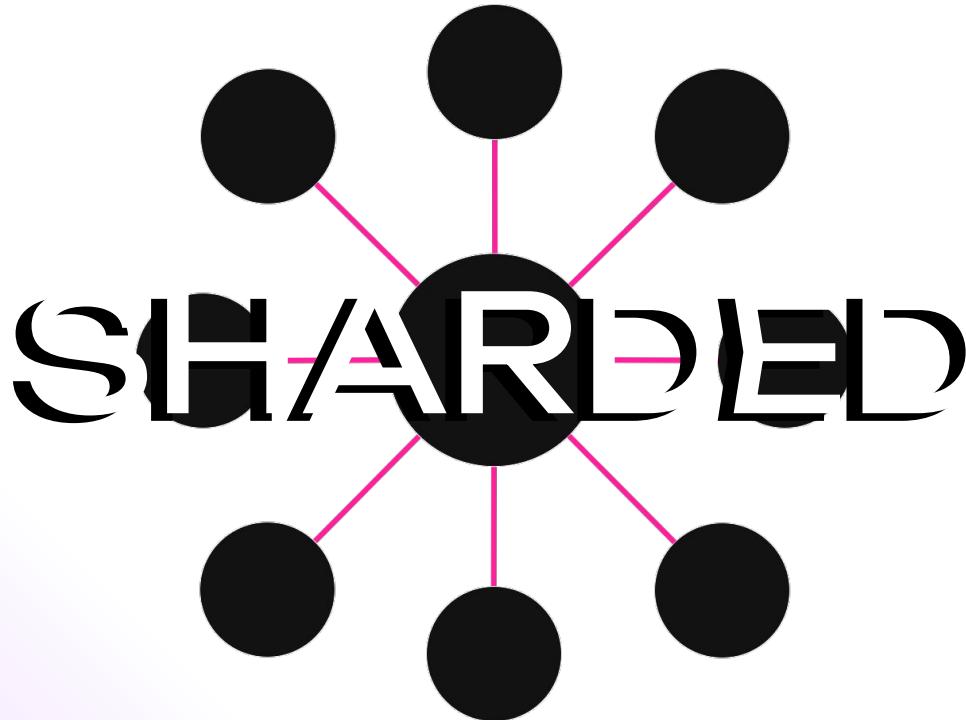
Blockchains of yesterday



MONOLITHIC

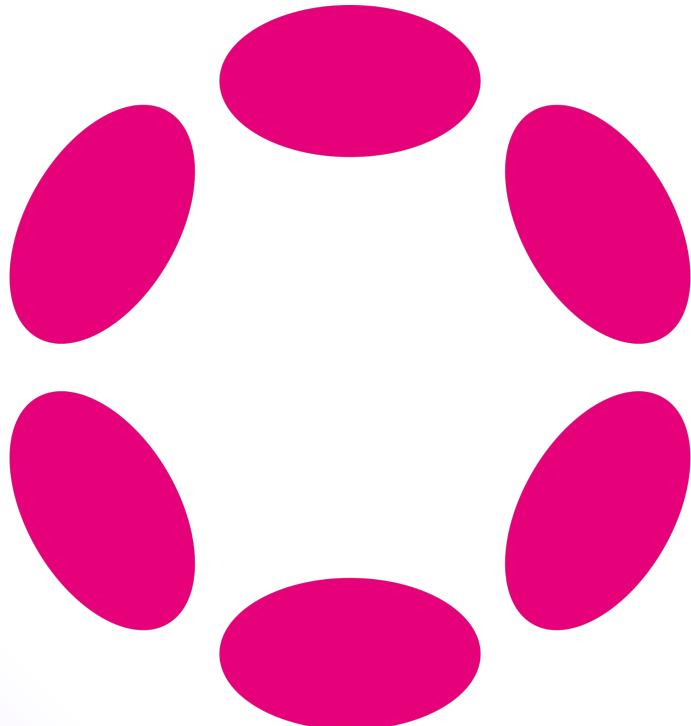


Blockchains of tomorrow



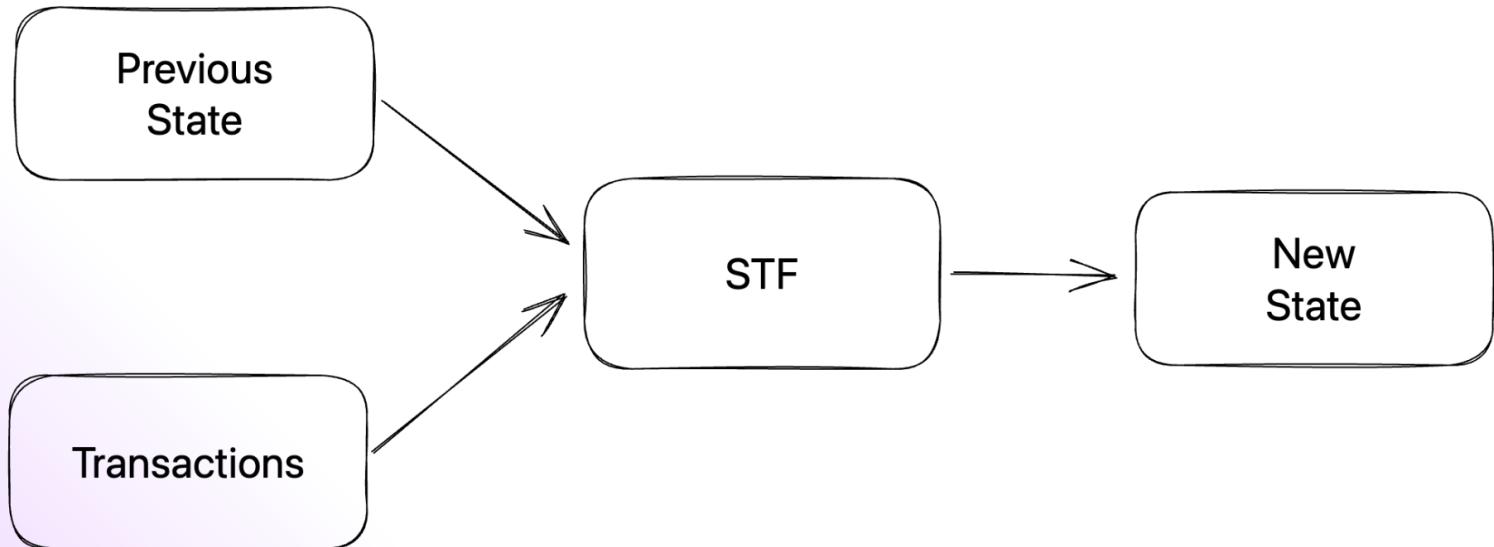


Blockchains of tomorrow



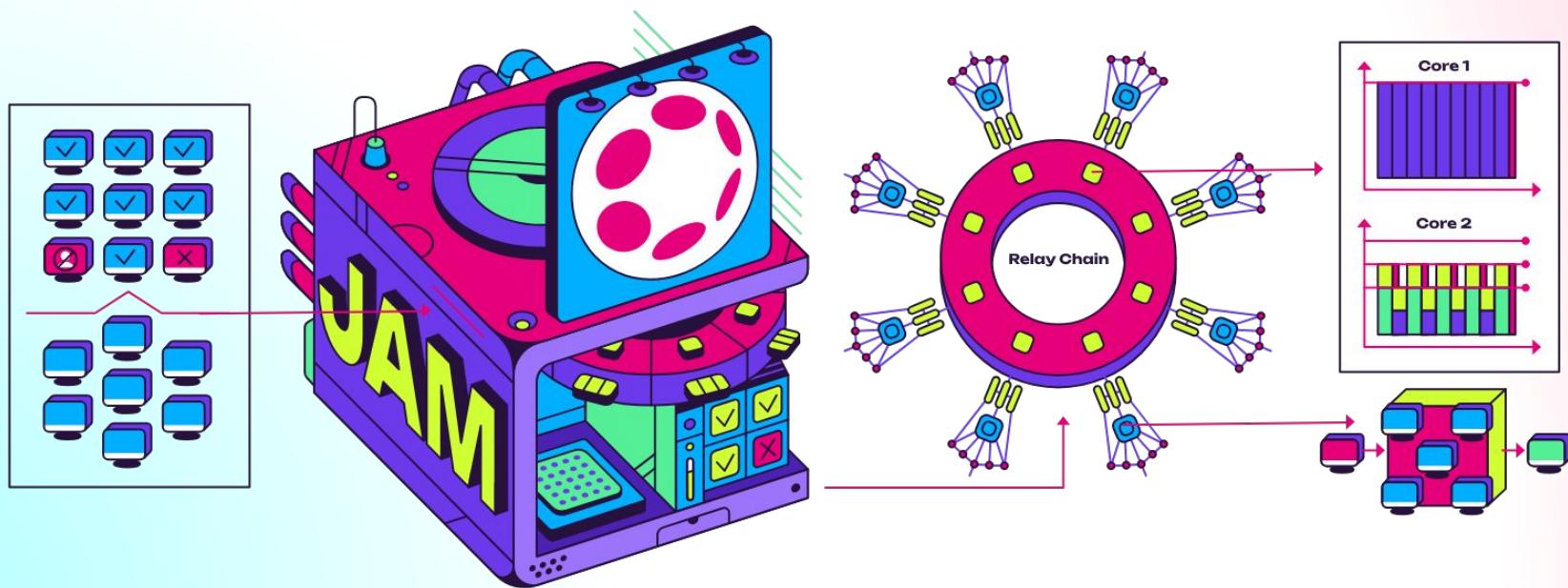


Blockchains are distributed **State Transition Functions**





Blockchain is just a Decentralized Computer





But can it run **DOOM?**

DR. GAVIN WOOD

DOOM

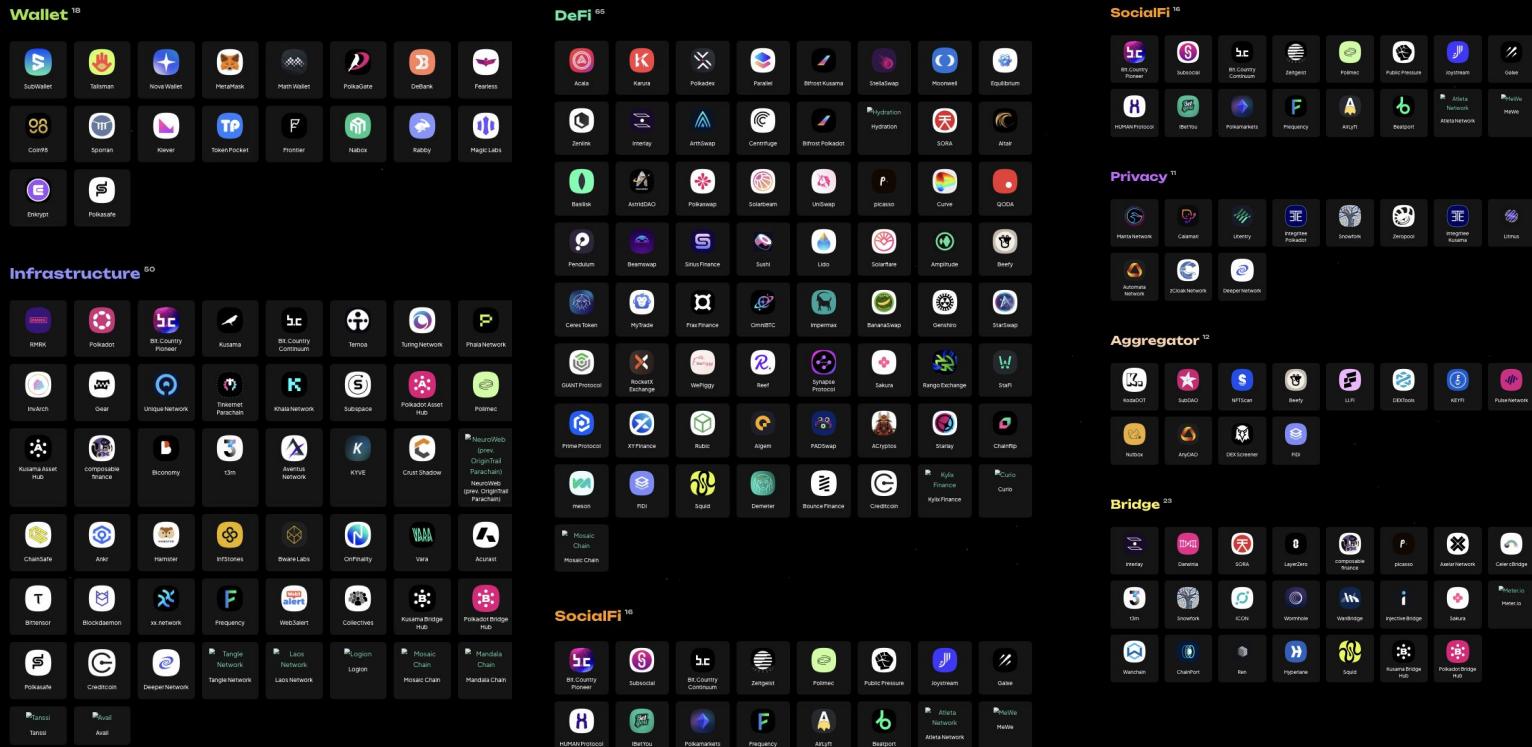
ON TAXI

Shanghai





500+
PROJECTS

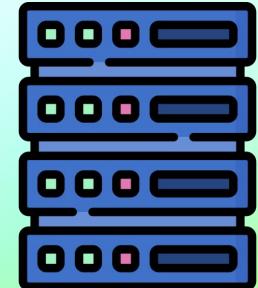
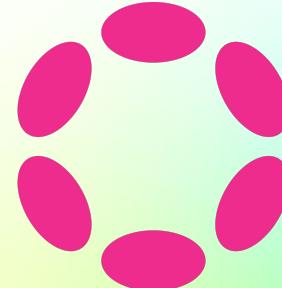
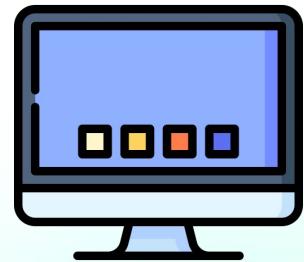
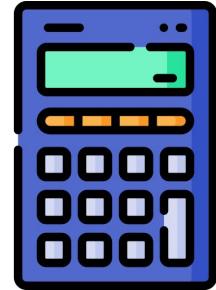


dotinsights.subwallet.app

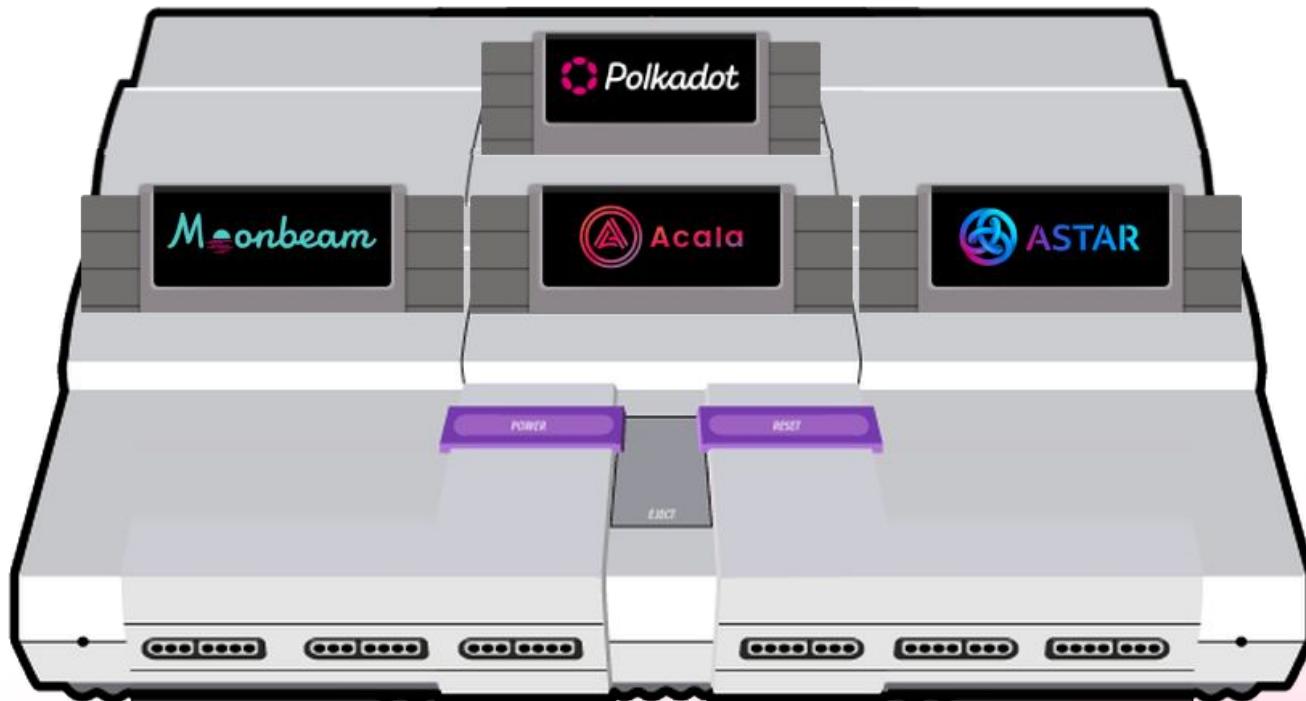


Polkadot is the next evolution of the blockchain landscape.

Bitcoin created a calculator.
Ethereum created a computer.
Polkadot is creating a **cloud server**.









**Polkadot is to Web3
what AWS is to Web2**





The heart of the difference between Web2 and Web3 lies in resilience.

Resilience against:

- Censorship
- Single points of failure
- Hacks and security breaches
- Network outages
- Data manipulation
- Regulatory overreach
- Corruption or collusion
- Ownership disputes
- Monopolization
- and more...



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How hard is it to deploy
rollups?



Historically... **VERY** hard.



Historically... **VERY** hard.

But it doesn't have to be like that



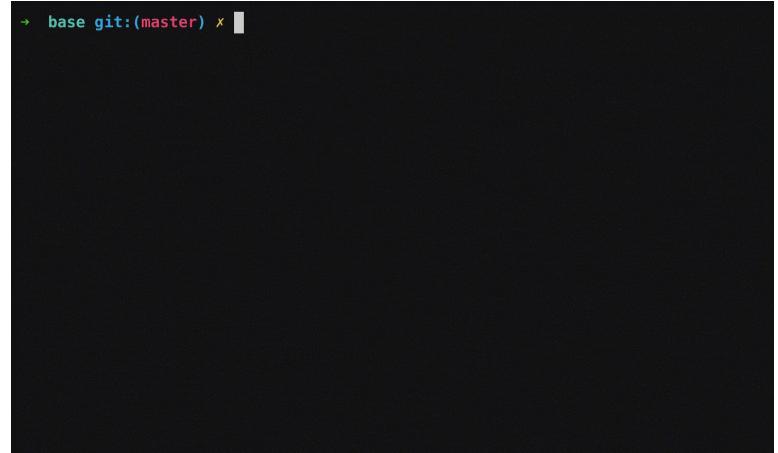
Polkadot is the only blockchain in the industry that has been designed to
host rollups natively



PDP x POP-CLI

A natural integration to provide teams the most seamless experience.

- Now deploy from POP-CLI directly using PDP's infrastructure.
- Leverage all POP-CLI runtime templates directly from PDP's interface



A dark terminal window showing a command prompt. The text "base git:(master) x" is visible at the top left, followed by a small gray square icon. The rest of the window is blank black space.



DeployPolkadot.xyz



Santi Balaguer



@PolkadotDeploy





A peek into what's coming

Overview Deployments Apps Bridges Settings

Parachain ID
2322
Registered on Westend

Current Block
N/A
Block data unavailable

Block Time
N/A
Average block time unavailable

Rollup Specifications

| | |
|---------------------------------|----------------------|
| Rollup Name | Runtime |
| shy-bumpy-television-paseo-4842 | OpenZeppelin Generic |
| | |
| Relay | xxxx |
| Paseo | Testnet |
| | XXX |

Token Configuration

| | |
|-----------------|------|
| Token Symbol: | DOGZ |
| Token Decimals: | 10 |

Access Control

| | |
|--------|----------------|
| Owner: | 14j1QV..2Fqynp |
| Sudo: | 143sNX..a9zRs1 |

Payment details

| | |
|-----|----------------|
| Tx: | 0xebc5..abfd59 |
|-----|----------------|

Explorers

[Polkadot-JS](#) [PAPI Console](#)

Latest deployment

Status
FAILED

Failure details
Failed to establish SSH connection after multiple attempts

Actions

[Redeploy](#) [Delete](#)

[See all deployments](#)

Rollup Status

Lifecycle **Locked**

Coretime

Coretime
None. Purchase on RegionX



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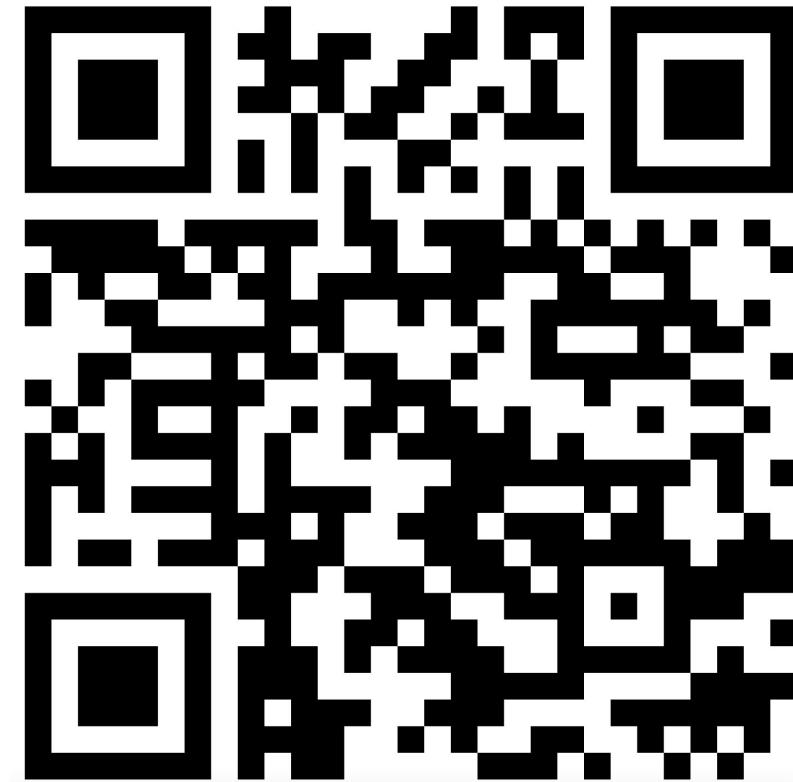
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contracts.polkadot.io





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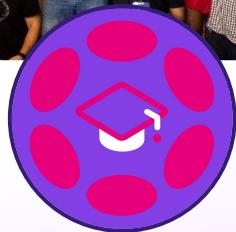


Students to Entrepreneurs



15,000+

Introductory Students



400+

University Level Students



470+

Supported Teams



Polkadot Blockchain Academy

The Polkadot Blockchain Academy offers three distinct educational programs which cater to the diverse needs of blockchain enthusiasts, developers and thought leaders; PBA-X, PBA Campus and The JAM Course. PBA-X is an online program designed for both developers and non-developers, making blockchain fundamentals accessible to everyone. PBA Campus takes a more advanced approach with its immersive in-person programs tailored specifically for developers. The JAM Course brings together industry veterans, thought leading technologists and people from Academia to understand JAM, the future of Polkadot and Web3.

[ABOUT PBA CAMPUS ↗](#)

