ECOSYSTEM MAP

Polkadot Directory

Authoritative map of the Polkadot ecosystem. System parachains, DeFi, smart contract tooling, SDKs, wallets, bridges, and community organizations.

dablock.com/playbooks

The Polkadot Ecosystem

The ecosystem encompasses system parachains, community parachains, dApps, developer tools, wallets, bridges, and governance organizations all secured by the Relay Chain.

- Relay Chain core security and consensus for all connected chains
- Polkadot Hub unified entry point with smart contracts, assets, identity, staking
- 6 system parachains Asset Hub, People Chain, Bridge Hub, Collectives, Bulletin, Coretime
- 50+ community parachains for DeFi, NFTs, gaming, identity, privacy, infrastructure
- Hundreds of dApps and services with regular hackathons and grants

System Parachains

- Polkadot Hub Asset Hub tokens, NFTs, 10x lower fees than Relay Chain
- People Chain decentralized identity with verifiable on-chain identities
- Bridge Hub trustless cross-chain bridging via Snowbridge to Ethereum
- Collectives Chain governance infrastructure for DAOs and Fellowship
- Bulletin Chain IPFS-compatible decentralized content-addressed storage
- Coretime Chain Agile Coretime scheduling for block production allocation

DeFi DEXs and Lending

- Hydration DeFi hub with native DEX, lending, stablecoin infrastructure
- StellaSwap leading DEX on Moonbeam with concentrated liquidity
- Moonbeam Ethereum-compatible smart contract parachain for EVM DeFi
- Astar multi-VM smart contract parachain with EVM and WASM support
- Polkadex order book DEX for professional trading strategies

Smart Contracts and Tooling

- Hardhat Polkadot deploy Solidity contracts via Revive PVM adapter
- Foundry fast portable Ethereum toolkit for Polkadot Hub contracts
- Remix IDE browser-based Solidity development for Polkadot Hub
- viem + Wagmi TypeScript libraries and React Hooks for dApp integration
- Precompiles ERC20, Storage, System, XCM for native access from contracts

SDKs and Programming Languages

- PAPI Polkadot-API modular light-client-first library set with TypeScript
- Dedot tree-shakable JavaScript client with strong TypeScript support
- Polkadot.js API mature library for chain state and transactions
- Subxt type-safe Rust library for Polkadot SDK blockchains
- Python Substrate Interface connect and query from Python
- Polkadart native Dart SDK supporting Flutter mobile development

Wallets and Account Management

- Polkadot.js official extension for staking, governance, identity, extrinsics
- Talisman user-friendly extension with portfolio and staking dashboard
- SubWallet comprehensive wallet with browser extension and mobile app
- Fearless Wallet mobile-first with built-in staking and governance
- Polkadot Vault air-gapped cold-storage signing solution

Bridging and Cross-Chain Infrastructure

- Bridge Hub system parachain for trustless external chain interactions
- Snowbridge trustless bridge from Polkadot to Ethereum with light clients
- ParaSpell XCM SDK open-source library for cross-chain dApp development
- HOP protocol multi-hop routing for assets and messages between chains
- Chopsticks fork chains locally and simulate XCM messages

Community DAOs and Guilds

- Polkadot Blockchain Academy official education in-person and online
- Web3 Foundation Grants for ecosystem development and research
- Technical Fellowship on-chain status for recognized contributors
- Regional ambassador programs across LATAM, Europe, Asia, Africa
- Regular hackathons with prizes, mentorship, and treasury connections

Resources & Links

Full playbook with updates: dablock.com/playbooks/polkadot-directory

DaBlock Academy: skool.com/dablock-creators-8717

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