Use cases

Applications of IPC

Here are some practical examples of how IPC improves the performance of dApps:

- Distributed Computation
- : Spawn ephemeral subnets to run distributed computation jobs.
- Coordination
- : Assemble into smaller subnets for decentralized orchestration with high throughput and low fees.
- Localization
- : Leverage proximity to improve performance and operate with very low latency in geographically constrained settings.
- Partition tolerance
- : Deploy blockchain substrates in mobile settings or other environments with limited connectivity.
-

With better performance, lower fees and faster transactions, IPC can rapidly improve horizontal and vertical markets with decentralized technology:

- Artificial Intelligence:
- IPC is fully compatible withFilecoin
- , the world's largest decentralized data storage. Leveraging Filecoin, IPC can enable distributed computation to power hundreds of innovative AI models.
- Decentralized Finance (DeFi):
- Enabling truly high-frequency trading and traditional backends with verifiability and privacy.
- Big Data and Data Science:
- Multiple teams are creating global-scale distributed compute networks to enable Data Science analysis on Exabytes of decentralized stored data.
- Metaverse/Gaming:
- Enabling real-time tracking of player interactions in virtual worlds.
- DAOs:
- Assemble into smaller subnets for decentralized orchestration with high throughput and low fees. Partition tolerance: Deploy blockchain substrates in mobile settings or other environments with limited connectivity.
-

Previous Introduction Next How IPC compares Last updated20 days ago On this page Was this helpful?Edit on GitHub