

DELPHI DIGITAL

Insights: Generalized Mining Bootstrapping Projects & Alternative Sources of Yield



March 2019
85 Broad Street
New York, NY, 10004
www.delphidigital.io



Table of Contents

Generalized Mining Overview	3
Fund Involvement	5
Potential Returns	6
Staking vs. No Staking	7
Offsetting Inflation	8
Hedging Strategies	9
Beyond Staking	10
Livepeer Example	11
Service Providers	12
Key Takeaways	13
Disclosures	14

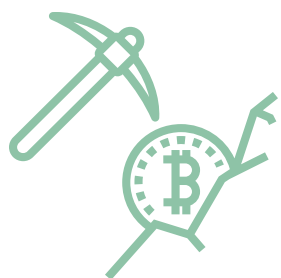
Lead Analyst



Tom Shaughnessy
tom@delphidigital.io



What Is Generalized Mining



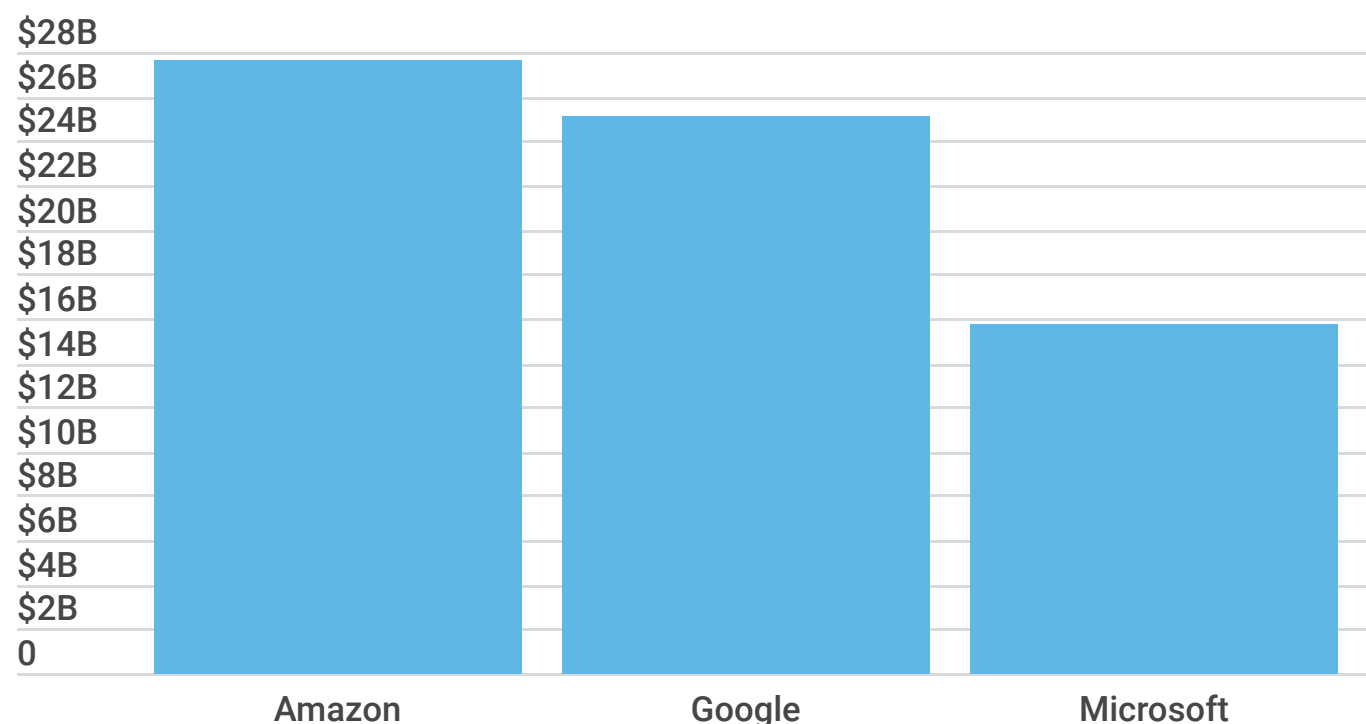
Generalized mining is actively participating in a network, beyond purchasing tokens, for a reward. The term is also known as Mining 2.0, where users can perform various roles in a network to help bootstrap the early growth of decentralized networks. These parties can be well established funds who help lift projects off of the ground, or investors who want to take part to help a project succeed.

Crypto networks require hardware, software and manual services to function since there are generally no centralized parties building these infrastructure pieces from the start. Instead, these networks incentivize users to provide various services to the network to provide these critical pieces of infrastructure or processes so networks can function.

The process offers fruitful dynamics for both funds and investors in two ways. First, it provides an added return in the form of monetary compensation. Second, and arguably more importantly, it helps support these networks for success, which could potentially increase a project's token value long-term to drive an initial investment higher.

A prime example is the most prominent cloud providers (Amazon, Google and Microsoft). These companies spend tens of billions in capex per year on infrastructure to support their services. We note not all is on cloud capex, since the companies don't break this out most of the time.

Decentralized networks, on the other hand, don't have a central authority to deploy critical infrastructure. This is not true for all projects as many founding teams allocate resources to the operation and security of their networks early on. But as time progresses a network must incentivize users to provide these critical infrastructure components through some form of rewards, typically distributed as tokens. This isn't just for the supply side (storage, compute, processing) but also on the demand side with users, ecosystem growth and developers."



● 2018 Capex Spending (In Billions)

Who Can Take Part and How?

A wide range of stakeholders can potentially take part in generalizing mining. Individuals were the first to start actively participating in bootstrapping networks; this dates back to Bitcoin where individuals ran the first nodes to support the network, well before generalizing mining was popularized. Today we see both individuals and crypto funds as the first movers in generalizing mining activities. We have yet to see large exchanges (Binance, Coinbase) or custodians (Gemini, Coinbase, BitGo, DACC, Kingdom Trust) conduct generalized mining activities to date. We believe this will change and exchanges will allow their customers and users to stake their coins to support a network in proof-of-stake systems such as Tezos, EOS or Decred, for example. Time will tell how this process is implemented, but it is a trend investors should monitor as it could offer additional returns on their initial holdings.

Generalized mining goes beyond normal mining in proof-of-work systems (Bitcoin). It extends this concept to any service that helps to support a network for a reward. These services range from staking one's coins in a network for validating transactions (Tezos, Decred, EOS) to provisioning one's spare computer storage to support a decentralized storage network (Filecoin, Storj, Sia, Maidsafe).



Incentivized

Stakeholders involved in generalized mining activities need incentive to participate because, for the most part, no one works for free. In Tezos and Decred, users are rewarded in XTZ and DCR for validating transactions. In more complex scenarios, such as being a transcoder on the Livepeer network, users are still rewarded for provisioning services.

Generalized mining can even involve taking a very active role in a network, such as being a fisherman in the Polkadot network where a user is tasked with ensuring parachains are performing their services in a legitimate manner.

Generalized Mining Activities

<u>Service</u>	<u>Example Projects</u>
Transaction Processing	Bitcoin, Ethereum, Most Blockchains PoW or PoS
Staking	Tezos, Decred, EOS
Computational Resource Provision	Dfinity
Software or Merkle Mining	Livepeer
Content Curation	Steemit, Relevant
Hardware Provisioning	Filecoin, StorJ, Sia, Maidsafe
Validation Mining	Augur
Hubs	Lightning Network
Watchers	Polkadot (Fisherman)
Protocol Changes	Tezos, Decred, EOS
Using Treasury	Decred, Dash
Relayers	Orchid
Providing Liquidity	CelerNetwork
Nominating and Kicking	TCR Party

Funds Are Getting Involved



Crypto funds are actively conducting generalized mining activities for four key reasons. Most investors can get involved for the same reasons, though it's important to note some networks require a minimum investment before participation can occur (# of tokens required for staking, etc.).

1. **Additional returns** beyond just initial investments.
2. **Increased chance project succeeds** by taking an active role bootstrapping the network.
3. **Closer investment alignment** as funds are more closely tied to the success of a project and its goals.
4. **Differentiation** in the risk-return profiles funds can offer. They will also have more insight into the inner workings of projects, giving them a better sense of a project's success or failure.

<u>Fund</u>	<u>Initiative</u>	<u>Details</u>
Coinfund and Placeholder Capital	Grassfed Network	Services include transaction processing, staking, software, content curation, market making, governance etc.
Placeholder Capital	Decred	Delegating DCR Tickets to Grassfed's voting service. Vocal on changes, upgrades, and the use of the treasury.
Multicoine Capital	Aurora EOS	Backing Aurora EOS as a candidate block producer
Notation Capital	Livepeer	Running infrastructure on the Livepeer Network
Multicoine Capital	Livepeer	Multicoine operates transcoders on the Livepeer network to provide the supply side of the Livepeer network until there is enough demand for other suppliers to see an attractive yield
Multicoine Capital	Skale	Will run validators on the Skale network to bootstrap security.

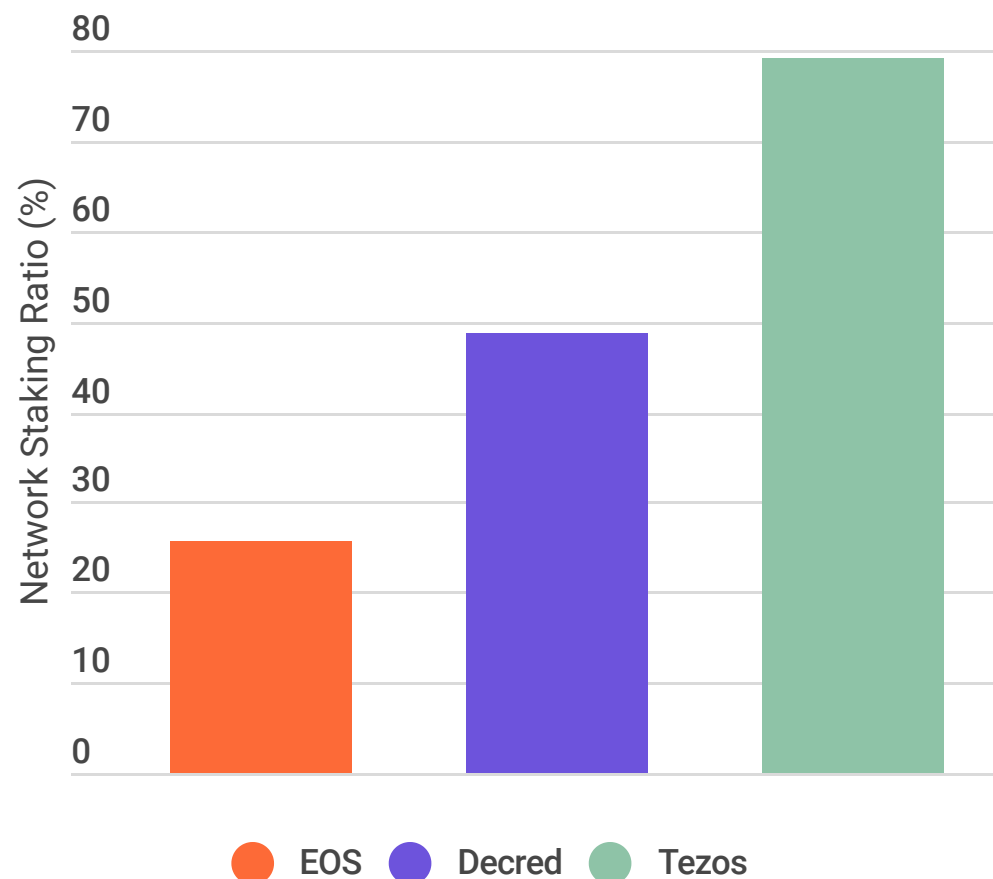
While its too early to tell if generalized mining drives outperformance (nascent practice, and limited data), quite a few funds outperformed Bitcoin in FY18 (down 74%). The ability to take short positions attributed to some of this outperformance, but generalized mining also helped drive returns for funds actively conducting such activities.

Generalized Mining Returns

Staking one's tokens on a network to validate transactions is one of the lowest barrier-to-entry activities a party can take part in, the returns from which are currently very attractive. For example, one can earn 8% or 12% in Tezos and Decred, respectively, for locking up tokens to validate transactions. Staking in these two networks is relative easy to do too. A user simply has to download TezBox or Decredition (the wallets for each) and follow a few steps to begin staking. This has led more users to take part in staking (see left chart on participation for examples). Sticking with our previous examples, approximately 49% of tokens in Decred and 79% of tokens in Tezos are set for staking. The more participants in these networks, the more secure the networks become. However, the more tokens staked, the lower overall returns are for validators. Both of these examples are layer-1 blockchains.

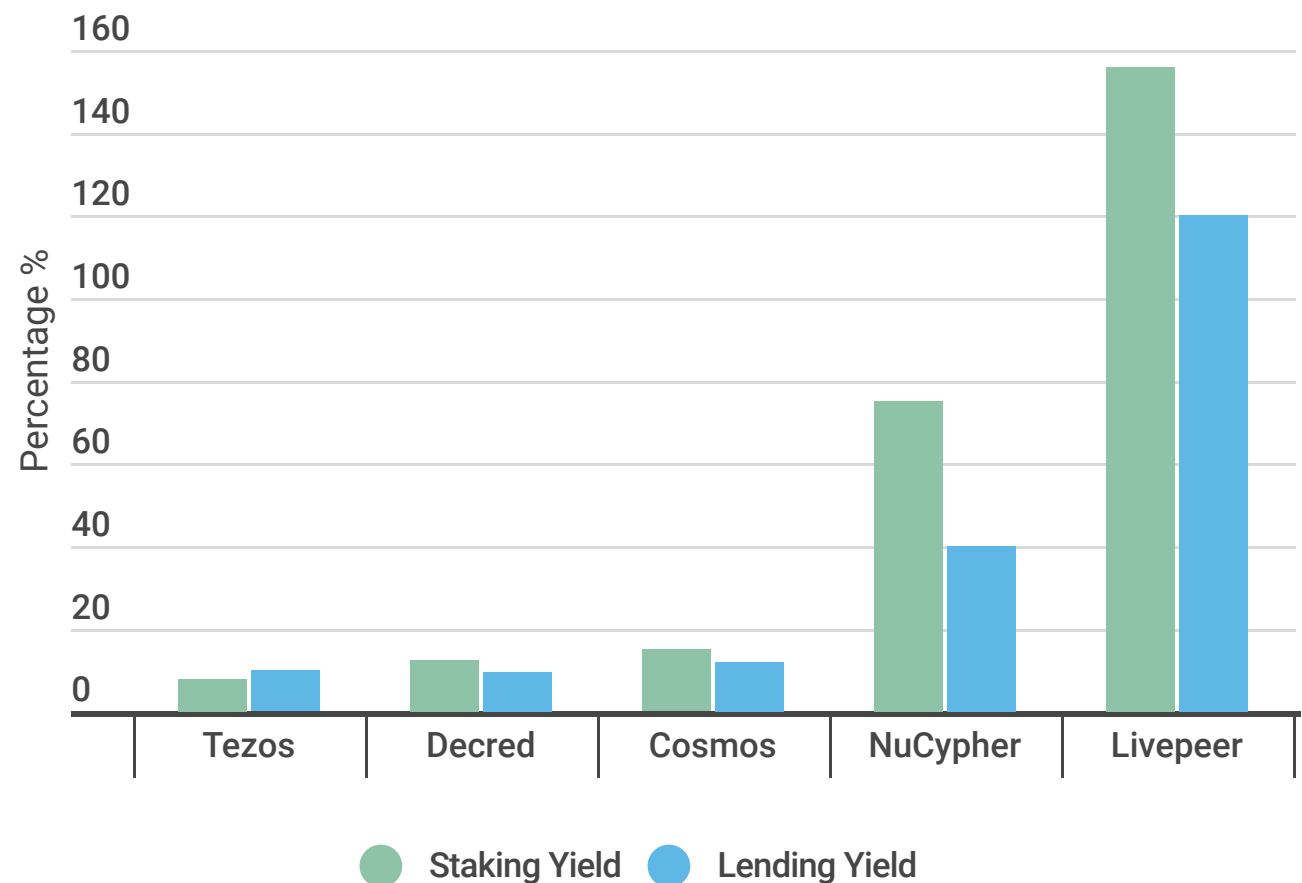
Returns for generalized mining activities can be much higher for newer projects, some of which are built on-top of existing layer-1 blockchains (i.e. Ethereum) but use proof-of-stake. Livepeer, for example, is a decentralized video infrastructure service that provides video encoding services to engineers. Those who run transcoding nodes on the Livepeer network can earn very high returns since the project isn't yet mature and the roles are mostly technical in nature.

Percent of Tokens Staked (Network Validation)



Sources: Tzscan.io, DCRstats.com, EOSAuthority.com

Staking and Lending Yields



Source: Staked.us

Example One: No Staking vs Staking

Let's explore three scenarios of staking on the Tezos network and the returns it can offer investors and funds. In our first scenario we assume an initial investment of \$10,000 and an inflation rate of 7% (6.96% to make the calculations simpler). **Assuming 20% token appreciation, after six years an investor sees an investment of \$10,000 grow to \$36k. On the other hand, if the investor also stakes their holdings (proof-of-stake) to validate transactions, their investment instead grows to \$57k, a difference of 60% over a buy-and-hold strategy.**

Tezos Comparison (Investing vs Investing and Staking)							
Inflation Calculation							
Set Annual Inflation Rate	5.5%						
Current Staking Participation	79%						
Adjusted Current Inflation Rate	6.96%						
Initial Investment	\$10,000						
XTZ Token Price	\$0.45						
XTZ Tokens Held	22,222						
Scenario 1 (Investment Only)							
	2019	2020	2021	2022	2023	2024	2025
XTZ Token Price	\$0.54	\$0.65	\$0.78	\$0.93	\$1.12	\$1.34	\$1.61
Token Price Appreciation	20%	20%	20%	20%	20%	20%	20%
XTZ Tokens Held	22,222	22,222	22,222	22,222	22,222	22,222	22,222
Investment Value	\$12,000	\$14,400	\$17,280	\$20,736	\$24,883	\$29,860	\$35,831
Scenario 2 (Investment and Staking)							
	2019	2020	2021	2022	2023	2024	2025
XTZ Token Price	\$0.54	\$0.65	\$0.78	\$0.93	\$1.12	\$1.34	\$1.61
Token Price Appreciation	20%	20%	20%	20%	20%	20%	20%
XTZ Tokens Held	22,222	23,769	25,424	27,194	29,087	31,112	33,278
Investment Value	\$12,000	\$15,402	\$19,770	\$25,375	\$32,570	\$41,805	\$53,659
Percentage Staked	100%	100%	100%	100%	100%	100%	100%
Annual Interest Rate	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Interest Earned In USD	\$835	\$1,072	\$1,376	\$1,767	\$2,268	\$2,910	\$3,736
Total XTZ Purchased	1,547	1,655	1,770	1,893	2,025	2,166	2,317
Total XTZ Held	23,769	25,424	27,194	29,087	31,112	33,278	35,595
Investment Value	\$12,835	\$16,475	\$21,146	\$27,142	\$34,838	\$44,716	\$57,395
Investment Value Comparison When Staking							
Dollar Difference When Staking	\$835	\$2,075	\$3,866	\$6,406	\$9,955	\$14,856	\$21,563
Percentage Difference When Staking	7%	14%	22%	31%	40%	50%	60%

Example Two: Offsetting Inflation

In the second scenario, we explore staking one's coins to offset the impact of inflation in a network since each coin has less purchasing power each year because of inflation. **Assuming Tezos' token price decreases each year by the amount of network inflation of 6.5%** (near actual amount to keep calculations simple), an initial investment of \$10K is worth \$6.2K after six years. **If a user instead stakes their \$10K investment to offset the impacts of inflation, their initial \$10K investment is still worth \$10K after 6 years since staking rewards offset inflation.** This perfect scenario is unlikely to occur in reality, but demonstrates how staking rewards can help offset the increase in a coin's supply. Inflation reduces the value of a coin in any network with an inflationary monetary policy (Bitcoin, Ethereum, Tezos, Decred, EOS, etc.) all else held equal. Generalized mining can help alleviate some of this value erosion.

Scenario 3 (Investment) - Assuming Token Price Decreases With Inflation - \$10K Initial Investment							
	2019	2020	2021	2022	2023	2024	2025
XTZ Token Price	\$0.42	\$0.39	\$0.37	\$0.34	\$0.32	\$0.30	\$0.28
Token Change	-6.51%	-6.51%	-6.51%	-6.51%	-6.51%	-6.51%	-6.51%
XTZ Tokens Held	22,222	22,222	22,222	22,222	22,222	22,222	22,222
Investment Value Year End	\$9,349	\$8,741	\$8,172	\$7,640	\$7,142	\$6,678	\$6,243
Scenario 4 (Investment + Staking) - Assuming Token Price Decreases With Inflation							
	2019	2020	2021	2022	2023	2024	2025
XTZ Token Price	\$0.42	\$0.39	\$0.37	\$0.34	\$0.32	\$0.30	\$0.28
Token Change	-6.51%	-6.51%	-6.51%	-6.51%	-6.51%	-6.51%	-6.51%
XTZ Tokens Held	22,222	23,769	25,424	27,194	29,087	31,112	33,278
Investment	\$9,349	\$9,349	\$9,349	\$9,349	\$9,349	\$9,349	\$9,349
Percentage Staked	100%	100%	100%	100%	100%	100%	100%
Annual Interest Rate	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Interest Earned In USD	\$651	\$651	\$651	\$651	\$651	\$651	\$651
Percentage of Interest Reinvested in XTZ Tokens	100%	100%	100%	100%	100%	100%	100%
Reinvested in XTZ Tokens	\$651	\$651	\$651	\$651	\$651	\$651	\$651
XTZ Tokens Added	1,547	1,655	1,770	1,893	2,025	2,166	2,317
Total XTZ Held	23,769	25,424	27,194	29,087	31,112	33,278	35,595
XTZ Investment Value Year End	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Investment Value Comparison When Staking							
Dollar Difference When Staking	\$651	\$1,259	\$1,828	\$2,360	\$2,857	\$3,322	\$3,757
Percentage Difference When Staking	7%	14%	22%	31%	40%	50%	60%

Example Three: Hedging Strategies

In the third example, we explore the effects of a hedging strategy. Given the volatile nature of crypto assets, one may want to diversify staked returns into other assets instead of reinvesting them back into the same network. Assuming Tezos' token price decreases by 7% per year, after 6 years a buy-and-hold investor is left with \$6k. **Assuming the token price decreases 7% per year, an investor who stakes 100% of their holdings each year and reinvests 25% of their staking rewards (interest) in Tezos the other 75% in an uncorrelated asset that yields 8% has \$10.4K after 6 years.** The difference between a ~40% loss and a 4% gain is obviously substantial for any investor.

Tezos Comparison (Investing vs Investing and Staking) - With A Hedge							
Scenario 5 (Investment) - Assuming Token Price Decreases With Inflation							
	2019	2020	2021	2022	2023	2024	2025
XTZ Token Price	\$0.42	\$0.39	\$0.36	\$0.34	\$0.31	\$0.29	\$0.27
Token Price Appreciation	-6.96%	-6.96%	-6.96%	-6.96%	-6.96%	-6.96%	-6.96%
XTZ Tokens Held	22,222	22,222	22,222	22,222	22,222	22,222	22,222
Investment Value	\$9,304	\$8,656	\$8,053	\$7,493	\$6,971	\$6,486	\$6,034
Scenario 6 (Investment + Staking) - Assuming Token Price Decreases With Inflation, With An Uncorrelated Hedge							
	2019	2020	2021	2022	2023	2024	2025
XTZ Token Price	\$0.42	\$0.39	\$0.36	\$0.34	\$0.31	\$0.29	\$0.27
Token Price Appreciation	-6.96%	-6.96%	-6.96%	-6.96%	-6.96%	-6.96%	-6.96%
XTZ Tokens Held	22,222	22,609	23,002	23,403	23,810	24,224	24,646
Investment Value	\$9,304	\$8,807	\$8,336	\$7,891	\$7,469	\$7,070	\$6,692
Percentage Staked	100%	100%	100%	100%	100%	100%	100%
Annual Interest Rate	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Interest Earned In USD	\$648	\$613	\$580	\$549	\$520	\$492	\$466
Percent of Interest Reinvested in XTZ	25%	25%	25%	25%	25%	25%	25%
Total XTZ Purchased	387	394	400	407	414	422	429
Total XTZ Held	22,609	23,002	23,403	23,810	24,224	24,646	25,075
Investment Value	\$9,466	\$8,960	\$8,481	\$8,028	\$7,599	\$7,193	\$6,809
Percentage of Interest Reinvested in uncorrelated asset	75%	75%	75%	75%	75%	75%	75%
Absolute Value Invested Per year	\$486	\$452	\$421	\$391	\$364	\$339	\$315
Uncorrelated Asset Annual Return	8%	8%	8%	8%	8%	8%	8%
Total value of uncorrelated position	\$486	\$977	\$1,475	\$1,985	\$2,507	\$3,047	\$3,605
Total Position Value	\$9,951	\$9,937	\$9,956	\$10,013	\$10,106	\$10,240	\$10,414
Investment Value Comparison When Staking							
Dollar Difference When Staking	\$648	\$1,281	\$1,903	\$2,520	\$3,135	\$3,754	\$4,380
Percentage Difference When Staking	7%	15%	24%	34%	45%	58%	73%

Generalized Mining Beyond Staking



It's worth taking a look at real world examples of funds or people taking part in generalized mining activities beyond staking. For example, Notation Capital recently published the results of their activities providing various services for the Livepeer network (outside of their investment). The fund explored five major areas of infrastructure while providing services to the Livepeer network.

When spinning up nodes to support the network (transcoding) Notation was able to earn a 2% daily IRR. Merkle Mining, which involves handling the distribution and allocation of tokens across the network, allowed Notation to mint LPT as low as \$0.30 per token. This is substantial given LPT tokens trade around \$5.60 currently, so notation was able to lock in a ~19x gain on a gross basis. The firm did not share net yields on minting LPT but we would assume there were costs involved with Merkle Mining (infrastructure, storage, compute) given the firm wrote a custom algorithmic code to handle the process. Regardless, the returns highlight substantial upside for opportunistic funds and investors.

The other three areas (hardware, security, and marketing requirements) were not revenue generators for the firm. Hardware costs are minimal for validation given it's a proof-of-stake system; security requirements were normal (safeguard keys); and marketing costs were minimal this time around since they only had to market transcoder campaigns to get users to delegate their nodes to Notation.

<u>Area</u>	<u>Description</u>	<u>Reward/Cost</u>	<u>How Earning Reward</u>
Software Requirements (Dev Ops)	Notation spun up nodes and began actively transcoding on the Livepeer network.	2% Daily In IRR	Livepeer transcoding node along with participation in DPOS rewards
Software Requirements (Code)	Merkle Mining system spans a cost analysis across numerous inputs (gas prices, hosting costs, LPT Mining splits). Notation has written code to automate the process.	Algorithmically minting LPT as low as \$0.30/LPT	Participating in Merkle Mining. This reward is lower than any investor paid to purchase LPT.
Hardware Requirements	Hardware requirements are minimal for Livepeers PoS system over PoW systems.	Sunk Cost	-
Security Requirements	Miners and participants earning tokens on a regular basis need to enact proper security measures.	Sunk Cost	-
Marketing Requirements	Marketing ones services to attract others to join in is critical. For example, Notation has to market through transcoder campaigns so users delegate to their nodes.	Time/AD costs potentially	-

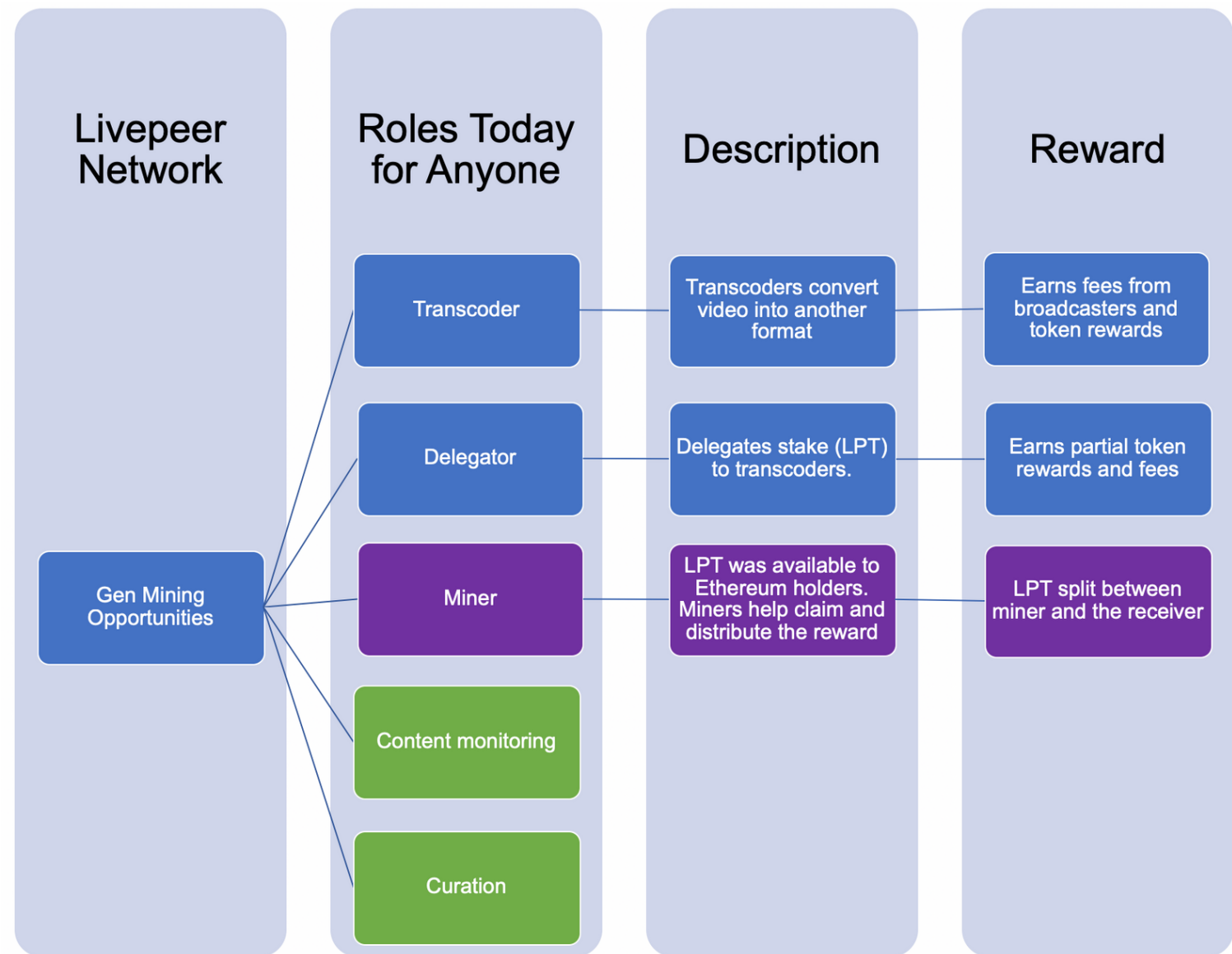
Livepeer Example

The previous example focused on a particular funds' generalized mining experiences for Livepeer, but these types of practices are open to everyone. Individuals and investors can take part in the process across 3 different areas today: delegator, transcoder, miner, and potentially second order services such as content monitoring and curation in the future. Each of these allow participants to earn returns while contributing to the success of the Livepeer network. Livepeer is an interesting example because of the multiple generalized mining opportunities that exist. Users can earn LPT (the native token) and ETH for performing services for the network. We expect more projects to offer generalized mining opportunities in the future as the practice proliferates through the crypto ecosystem.

The Livepeer network currently supports 15 transcoders (subject to increase) so this activity is best suited for well-established, technically-oriented parties with the necessary hardware, bandwidth, and expertise.

Anyone can propose to be a Transcoder on the network and anyone can stake their LPT tokens to a transcoder to earn a percentage of the inflationary network rewards (LPT) and fees paid by broadcasters (ETH). Token holders can delegate to a transcoder easily using the Livepeer [Block Explorer](#). This is non-custodial so delegators can't spend someone's LPT.

Early in the Livepeer network, instead of an Airdrop, LPT was available to most Ethereum (ETH) holders at the time. The process of claiming it required submitting merkle proofs. The reward (LPT for ETH holder) was split between the miner and destined holder. This was an early generalized mining opportunity for users, but has since concluded.



Blue = Available Today
Purple = Concluded
Green = Future

Source: Livepeer Whitepaper, Messari, Coinfund

Service Providers Springing Up



Generalized mining services beyond staking can be technical and difficult. Services are surfacing to make the process easier, which are lowering the barriers to entry for funds and investors to take part. For instance, Grassfed Network is a project launched by CoinFund (a crypto fund), which leverages numerous generalized mining strategies across multiple assets for its clients.

Specific projects are making the process easier as well for individuals. For instance in the past Decred token holders would have to purchase a ticket with DCR tokens to take part in its governance process (voting on changes). This was a very time consuming and tedious exercise, though today Decred token holders (DCR) can download the Decredition wallet and link up with a Voting service provider (VSP), which handles all ticket purchasing, ticket voting, and auto repurchasing. This allows users to take part in validating transactions on the network without having to worry about all of the tasks involved with ticket voting.

The barriers for generalized mining activities are falling for funds and individuals.

Grassfed Network's Generalized Mining Services Across Various Crypto Assets

<u>Project</u>	<u>Initiative</u>	<u>What Grassfed Does for Clients</u>
Decred	Staking	Grassfed operates a Voting Service Provider (VSP) on the Decred network so DCR stakeholders don't have to run a full node and instead authorize the VSP to vote their tickets.
Livepeer	Software Mining Transcoding	Livepeer's MerkleMine is a cryptographic game used by the network to handle the distribution of its token. Grasfed handles submitting cryptographic proofs on behalf of Ethereum addresses to compel the distribution of LPT to those addresses. Grassfed also operates a transcoder on the Livepeer network, that earns daily LPT-denominated inflation rewards.
Compound Finance	Lending	Grassfed is a lender of cryptoasset on the compound protocol
Nucypher	Re-Encryption Services	Grassfed is planning to provide re-encryption services on the NuCypher network when it launches on mainnet in 2019.
Steem	Content Curation	Grasfed runs a content curation bot on Steemit. In return for a payment in SBD or STEEM, the bot can leverage its holdings to upvote content on Steemit.

Key Takeaways

- Generalized mining is the next era of crypto involvement where stakeholders bootstrap a network beyond their initial investments to help drive its success. This type of active involvement has the potential to support a projects' token price as well, bolstering the value of an initial investment by providing additional sources of yield.
- Generalized mining activities were popularized by staking on PoS networks, but has quickly expanded to more nuanced responsibilities, such as being a transcoder on Livepeer or providing dormant storage on Storj.
- Crypto funds are jumping in to take advantage of the benefits of generalized mining, but individual investors are also capable of taking part in similar activities.
- **Individuals and funds can bolster returns by taking part in generalized mining activities.** At the very least, one could negate the effects of inflation through generalized mining. The barriers to entry have come down with better user interfaces and services to handle the responsibilities.
- Generalized mining can help drive the potential success of a project or network one is invested in by bootstrapping the supply side (storage, compute, etc) or demand side (users, developers) of the network.

Generalized Mining Evolution

Proof-of-Work Mining (Bitcoin, Ethereum)

Proof-of-Stake Validating (Tezos, Decred, EOS)

Numerous Roles providing infrastructure, services and specialized work for networks

Time



Disclosures

The Research Team may own the tokens represented in this report, and as such this should be seen as a disclosure of any potential conflict of interest. Anyone can contact Delphi Digital for full token disclosures by team member at Team@DelphiDigital.io. This report belongs to Delphi Digital, and represents the opinions of the Research Team.

Delphi Digital is not a FINRA registered broker-dealer or investment adviser and does not provide investment banking services. This report is not investment advice, it is strictly informational. Do not trade or invest in any tokens, companies or entities based solely upon this information. Any investment involves substantial risks, including, but not limited to, pricing volatility, inadequate liquidity, and the potential complete loss of principal. Investors should conduct independent due diligence, with assistance from professional financial, legal and tax experts, on topics discussed in this document and develop a stand-alone judgment of the relevant markets prior to making any investment decision.

Delphi Digital does not receive compensation from the companies, entities, or protocols they write about. The only fees Delphi Digital earns is through paying subscribers. Compensation is not received on any basis contingent upon communicating a positive opinion in this report. The authors were not hired by the covered entity to prepare this report. Delphi Digital did not receive compensation from the entities covered in this report for non-report services, such as presenting at author sponsored investor conferences, distributing press releases or other ancillary services. The entities covered in this report have not previously paid the author in cash or in stock for any research reports or other services. The covered entities in this report are not required to engage with Delphi Digital.

The Research Team has obtained all information herein from sources they believe to be accurate and reliable. However, such information is presented “as is,” without warranty of any kind – whether expressed or implied. All market prices, data and other information are not warranted as to completeness or accuracy, are based upon selected public market data, reflect prevailing conditions, and the Research Team’s views as of this date, all of which are accordingly subject to change without notice. Delphi Digital has no obligation to continue offering reports regarding this topic. Reports are prepared as of the date(s) indicated and may become unreliable because of subsequent market or economic circumstances. The graphs, charts and other visual aids are provided for informational purposes only. None of these graphs, charts or visual aids can and of themselves be used to make investment decisions. No representation is made that these will assist any person in making investment decisions and no graph, chart or other visual aid can capture all factors and variables required in making such decisions.

The information contained in this document may include, or incorporate by reference, forward-looking statements, which would include any statements that are not statements of historical fact. No representations or warranties are made as to the accuracy of such forward-looking statements. Any projections, forecasts and estimates contained in this document are necessarily speculative in nature and are based upon certain assumptions. These forward-looking statements may turn out to be wrong and can be affected by inaccurate assumptions or by known or unknown risks, uncertainties and other factors, most of which are beyond control. It can be expected that some or all of such forward-looking assumptions will not materialize or will vary significantly from actual results.



DELPHI DIGITAL

85 Broad Street
New York, NY, 10004
www.delphidigital.io