# About Theta Fuel (TFUEL)

Original:
https://www.btcc.com/en-US/markets/Theta Fuel

Theta Fuel (TFUEL) is one of the two native tokens on the Theta Network. TFUEL should not be mistaken for Theta Token (THETA), which is the governance token of the Theta blockchain supported by thousands of community-run Guardian nodes and its Enterprise validators including Google, Binance, Blockchain ventures, Gumi and Samsung.

TFUEL is the second token (gas token) of the Theta blockchain that serves as the utility token in decentralized video and data delivery. This means that it is used to power all on-chain operations like payments to relayers for sharing a video stream, or for deploying and interacting with smart contracts, and as fees associated with transacting NTFs and DeFi applications.

In addition, it is also used to incentivize users in the ecosystem who share their redundant computing power as Edge Compute nodes as well as bandwidth resources as Edge Caching nodes for video streams and other data. Relayers earn TFUEL for every video stream they relay to other users on the network.

## What Makes Theta Fuel Different?

Theta's main use case is decentralizing video streaming, data delivery and edge computing, making it more efficient, cost-effective and fair for industry participants. The network runs on a native blockchain, with two native tokens, known as Theta (THETA) and Theta Fuel (TFUEL), powering the internal economy.

Theta's appeal is threefold: viewers get rewarded with better quality streaming service, content creators improve their earnings and middlemen — video platforms — save money on building infrastructure and increase advertising, subscription revenues. Users have an incentive to both watch network content and share network resources, as rewards come in the form of TFUEL tokens.

The platform is open source, and token holders receive governance powers as with many proof-of-stake (PoS)-based blockchain ecosystems. In addition to video, data and computing, Theta caters to developers looking to launch decentralized applications (DApps) such as DeFi and NFTs on its fully featured EVM-compatible smart contract platform.

## How Is the Theta Network Secured?

The Theta Blockchain relies on a proof-of-stake consensus algorithm. It, however, adds a multi-level Byzantine Fault Tolerance (BFT) consensus mechanism on its blockchain to achieve better security along with higher transaction throughput.

At the time of Theta Mainnet launch in March 2019, Theta introduced Guardian Nodes. With the Guardian Node, no single entity controls the majority of THETA tokens being staked at any one time. This further helps the network achieve a high transaction throughput of 1000+ TPS.

Theta uses a financial incentive scheme to ensure user participation in governance activities, and hence its network is secured by its own users.

## How Many TFUEL Coins Are There in Circulation?

As earlier mentioned, there are two coins in the Theta ecosystem; THETA and TFUEL. Both coins are used as the main tools for interaction on the Theta blockchain, yet serve different functions.

There are currently 5,232,675,200 TFUEL coins in circulation, which grows each year as new TFUEL is generated for staking rewards. Theta Tokens are fixed and at their max supply, which means there are 1,000,000,000 coins in circulation which will never increase.

Theta runs on the proof-of-stake algorithm, which means staking is possible. Since the amount of THETA in circulation is the max supply there will ever be, TFUEL is the reward for staking on the network. To qualify for staking, you have to stake at least 1,000 THETA to a Guardian Node or run your own Guardian Node.

Cryptocurrency Price Prediction

Avalanche (AVAX) Price Prediction
Cardano (ADA) Price Prediction
Ethereum Classic (ETC) Price Prediction
Chainlink (LINK) Price Prediction
Dogelon Mars (ELON) Price Prediction
Ripple (XRP) Price Prediction
XRP Price Prediction
Solana (SOL) Price Prediction
Ethereum Price Prediction
Bitcoin (BTC) Price Prediction
Litecoin (LTC) Price Prediction
Polygon (MATIC) Price Prediction
Dash (DASH) Price Prediction
STEPN (GMT) Price Prediction
Bitcoin Cash (BCH) Price Prediction
Stellar Lumens (XLM) Price Prediction
Yearn.Finance (YFI) Price Prediction
Waves (WAVES) Price Prediction
Bitcoin SV (BSV) Price Prediction
Filecoin (FIL) Price Prediction
Optimism (OP) Price Prediction

Tron (TRX) Price Prediction
ConstitutionDAO (PEOPLE) Price Prediction
EOS (EOS) Price Prediction
Gala (GALA) Price Prediction
Enjin (ENJ) Price Prediction
MANA Price Prediction
The Sandbox (SAND) Price Prediction
Immutable X (IMX) Price Prediction
Axie Infinity (AXS) Price Prediction
Flow (FLOW) Price Prediction
Galxe (Previously Project Galaxy) Price Prediction
Mask Network (MASK) Price Prediction
ApeCoin (APE) Price Prediction
Ethereum Name Service (ENS) Price Prediction
1inch Network (1INCH) Price Prediction
Curve Dao (CRV) Price Prediction
dYdX (DYDX) Price Prediction
PancakeSwap (CAKE) Price Prediction
Uniswap (UNI) Price Prediction
Terra Luna Classic Price Prediction
Algorand Price Prediction
Fantom (FTM) Price Prediction
Celo (CELO) Price Prediction
Blur Price Prediction
Mina Protocol (MINA) Price Prediction
Near Protocol (NEAR) Price Prediction
Toncoin (TON) Price Prediction
Qtum (QTUM) Price Prediction
Internet Computer (ICP) Price Prediction
Polkadot (DOT) Price Prediction
Aptos (APT) Price Prediction
Cosmos (ATOM) Price Prediction
Neo (NEO) Price Prediction
Binance Coin (BNB) Price Prediction
Shiba Inu (SHIB) Price Prediction
Alchemy Pay (ACH) Price Prediction
Conflux (CFX) Price Prediction
Core DAO (CORE) Price Prediction
Arweave (AR) Price Prediction
Synthetix (SNX) Price Prediction
Measurable Data Token (MDT) Price Prediction
Adventure Gold (AGLD) Price Prediction
Arbitrum (ARB) Price Prediction
Aragon (ANT) Price Prediction
MultiversX (EGLD) Price Prediction
ETHPoW (ETHW) Price Prediction
Hooked Protocol (HOOK) Price Prediction
Klaytn (KLAY) Price Prediction
LooksRare (LOOKS) Price Prediction
Ren (REN) Price Prediction
Storj (STORJ) Price Prediction

Theta Network (THETA) Price Prediction
Nem (XEM) Price Prediction
Monero (XMR) Price Prediction
Render (RNDR) Token Price Prediction
Ravencoin (RVN) Price Prediction
Zilliqa (ZIL) Price Prediction
Pepe (PEPE) Price Prediction
AiDoge Price Prediction
Sui (SUI) Price Prediction
Floki Inu (FLOKI) Price Prediction
SingularityNet (AGIX) Price Prediction
Stella (ALPHA) Price Prediction
Ankr (ANKR) Price Prediction
ARPA (ARPA) Price Prediction
Astar (ASTR) Price Prediction
Balancer (BAL) Price Prediction
Band Protocol (BAND) Price Prediction
Bella Protocol (BEL) Price Prediction
BinaryX (BNX) Price Prediction
Celsius (CEL) Price Prediction
Celer Network (CELR) Price Prediction
Cocos-BCX (COCOS) Price Prediction
Compound (COMP) Price Prediction
Shentu (CTK) Price Prediction
Cartesi (CTSI) Price Prediction
Civic (CVC) Price Prediction
DODO (DODO) Price Prediction
Open Campus (EDU) Price Prediction
Fetch.ai (FET) Price Prediction
Frax Share (FXS) Price Prediction
Game Fantasy Token (GFT) Price Prediction
GMX Price Prediction
Hedera (HBAR) Price Prediction
Highstreet (HIGH) Price Prediction
ICON (ICX) Price Prediction
SPACE ID (ID) Price Prediction
JasmyCoin (JASMY) Price Prediction
JOE (JOE) Price Prediction
Kusama (KSM) Price Prediction
Lido DAO (LDO) Price Prediction
Linear Finance (LINA) Price Prediction
Liquity (LQTY) Price Prediction
Loopring (LRC) Price Prediction
Maker (MKR) Price Prediction
Ocean Protocol Price Prediction
Radiant Capital (RDNT) Price Prediction
iExec (RLC) Price Prediction
Rocket Pool (RPL) Price Prediction
Reserve Rights (RSR) Price Prediction
SSV Network (SSV) Price Prediction
StarLink Coin Price Prediction

Stargate Finance Price Prediction
StormX (STMX) Price Prediction
Stacks (STX) Price Prediction
Swipe (SXP) Price Prediction
TomoChain (TOMO) Price Prediction
Tellor (TRB) Price Prediction
UMA (UMA) Price Prediction
TerraClassicUSD (USTC) Price Prediction
VeChain (VET) Price Prediction
WOO Network (WOO) Price Prediction
Yield Guild Games (YGG) Price Prediction
0x Protocol (ZRX) Price Prediction
Pepe 2.0 Price Prediction
Bancor Network Token (BNT) Price Prediction
JUST (JST) Price Prediction
Smooth Love Potion(SLP) Price Prediction
Step App (FITFI) Price Prediction
Chia Network (XCH) Price Prediction
Badger DAO (BADGER) Price Prediction
Perpetual Protocol(PERP) Price Prediction
Cronos (CRO) Price Prediction
Biconomy (BICO) Price Prediction
Dora Factory (DORA) Price Prediction
Gods Unchained (GODS) Price Prediction
Sweat Economy (SWEAT) Price Prediction
Flare (FLR) Price Prediction
Moonbeam (GLMR) Price Prediction
Kadena (KDA) Price Prediction
Creditcoin (CTC) Price Prediction
Illuvium (ILV) Price Prediction
Akropolis (AKRO) Price Prediction
Trust Wallet Token (TWT) Price Prediction
Alien Worlds (TLM) Price Prediction
Worldcoin (WLD) Price Prediction
Casper (CSPR) Price Prediction
Aave (AAVE) Price Prediction
Yield Guild Games (YGG) Price Prediction
Api3 (API3) Price Prediction
Optimism (OP) Price Prediction
Livepeer (LPT) Price Prediction

Whitepaper

Official Website