

Agent NFT Contract V1



This smart contract NFT is part of the distributed sales network put together by AmorStyle on the Theta blockchain. The smart contracts in the distributed sales network may provide commissions to the agents that connect projects to people. This NFT is meant to be held by people that are interested in being an agent of the network but for those that are interested in helping others become agents of the network.

More Info

The Agent smart contract NFT allows for the registration of agents. Anyone that holds an agent NFT is considered a founder agent. Anyone registered to the smart contract on behalf of the NFT token holder is a partner agent. When network projects offer incentives to agents, the agent cut is split 90/10 between the partner and founder.

Network projects use this smart contract to resolve Agent Ids during the minting process. Agent Ids are permanent and a wallet address can only be registered one time.

Agents, in this decentralized permissionless network, are considered non-technical influencers. Generally, they are the people that talk about projects, interview creators and help spread awareness of the offerings.

As with any project offered on the network, the creator gets to determine the value of the incentive they wish to distribute to the agents of the network. With this in mind, the Agents can choose what projects they spend their time talking about or promoting.

Minting

The Agent NFT smart contract token is a fully transferable ERC-721 token. Owning one of these tokens entitles the holder the ability to register up to 42 partner agents. The potential value that this NFT could provide is dependent upon the partners that are registered.

Minting is open to anyone. Because the contract uses the Penny Oracle V1, it will be offered for about \$50 worth of Tfuel.

Note that even though the mint is open to anyone, there are conditions that must be met in order for the contract to allow for minting of a new token.

- The first 21 mints are unrestricted.
- Any mint after that is delayed at least 18 hours after the last mint.
- Next 21 mints are only time delayed.
- After that, no minting will be allowed until the number of registered agents is 8 times the number of agent tokens.

- Likewise, no minting will be allowed unless there are at least 100 times more participants in the network than registered partner agents.

As you can see, it is not only important to register agents, but also encourage the minting of the participant NFTs.

Registering Agents

The registration of a partner agent is considered a long-term relationship between the founder and new agent. Because of this, the registration process is a restricted action limited to the founder agent. You must hold the agent token in the wallet that registers the new partner agent.

In order to make it clear that the registration process affects the overall network, it is made a payable event. Because the agent NFT used the Penny Oracle V1, a new partner registration will cost about \$5 worth of Tfuel.

SendLock Functionality

Because this Agent NFT is:

- Fully transferable
- Must be held in a MetaMask hot wallet
- Expected to generate long term rewards

The holder can register a backup address to protect against unauthorized access to the holding wallet.

This backup security functionality will be offered for about \$0.10 worth of Tfuel.

Agent Ids

All record keeping in the Agent NFT smart contract is done via Agent Ids. The minting of any project specific NFT will require an Agent Id and a Website Id.

A founding agent's Agent Id is 1000 times their token Id.

Any token holder that registers an agent can query the contract for the partner's Agent Id. The partner Agent Id will be a combination of the founding agent's Id ($1000 * \text{token Id}$) plus the position the agent is in the 42 partner slots. For example, the first partner that the founder or token 7 will be $(7*1000)+1 = 7001$.

Reward Sharing

The Agent NFT is the first project to incentivize agents in the network. The incentivization structure for minting is:

- 40% of the price is reserved for the minting agents
- 10% of the price is reserved for the servicing website
- Must be involved in at least 2 mints
- Must claim your funds within 180 days.

Any agent that qualifies will need to remove their funds from the contract before the 180 days from the last mint that they are involved in. If not, the project owner will be able to sweep the unclaimed rewards.

Credits

Would like to thank everyone that has encouraged me to continue to explore what smart contracts can do on the Theta Blockchain.