# ARSA WHITEPAPER

ARSA is a cryptocurrency aimed at revolutionizing the community by rewarding members through a unique 70% Proof of Stake (PoS) and 20% Proof of Work (PoW) mechanism. Built as a fork of Bitcoin, Dash, Raptoreum, ARSA leverages the power of the GhostRider algorithm and asset-creation capabilities to create a sustainable and versatile community ecosystem. This whitepaper outlines the core principles, technical aspects, and roadmap of ARSA.

## Introduction

### 1.1. Cryptocurrency, Bitcoin And Dash

Cryptocurrency is a form of digital currency that relies on cryptography and decentralized control for secure transactions, without the need for a central authority. The Bitcoin protocol uses a consensus mechanism called Proof of Work (PoW) to validate and record transactions on a decentralized public ledger called the blockchain and Dash is best known as the first digital currency with a focus on ease of use, anonymity and transaction speed. What many people do not know is that these features are implemented on top of a network of dedicated servers known as masternodes, which gives rise to many exciting features not available on conventional blockchains. This innovative invention laid the foundation for the development of various other cryptocurrencies and blockchain-based technologies.

### 1.2. The Need for Arsa

While Bitcoin, Dash, and other cryptocurrencies have made significant strides in revolutionizing the financial system, small and medium-sized businesses largely remain untouched by the current digital shift. ARSA aims to change that by creating an ecosystem that rewards small and medium-sized businesses for their participation and involvement in various trading industries, while also providing a marketplace for digital industry products.

# Overview

## 2.1 Launch and Purpose

ARSA was launched on June 2, 2023 as a fork of Bitcoin, Dash, and Raptoreum, a blockchain platform for creating and managing digital assets. The main goal of ARSA is to provide a platform that rewards small and medium-sized businesses for collaborating with ARSA while building a market for digital works.

## 2.2. Proof of Stake (PoS)

ARSA uses Proof of Stake (PoS), which rewards market participants for their participation and involvement in the supported ecosystem. PoS leverages the power of the existing Raptoreum consensus algorithm, GhostRider, which is designed to be ASIC-resistant.

## 2.3. ARSA Marketplace and Burning

The ARSA ecosystem includes a marketplace where users can spend ARGY to purchase digital works from small and medium-sized business operators. Once spent, ARSA is burned, effectively reducing the total supply and creating a deflationary effect that benefits long-term holders.

# ARSA Assets

## 3.1. Legacy Asset Creation Capabilities

As a fork of Raptoreum, ARSA inherits asset creation capabilities that allow users to create and manage digital assets on the ARSA blockchain. These assets can represent anything from digital service products to digital collectibles, providing a versatile platform for various use cases in the trading industry.

## 3.2. Asset Issuance and Management

ARSA allows users to easily and securely issue and manage digital assets, with features such as asset reissuance, unique asset names, and customizable metadata. This flexibility enables

small and medium-sized business operators and community members to create, trade, and leverage digital assets for various purposes within the ARSA ecosystem.

# ARSA Ecosystem

## 4.1. ARSA Ecosystem Goals

ARSA aims to provide a platform that brings small and medium-sized business operators and investors together to support traditional market participants towards digitization. With a 70% smart node reward, we hope that a portion of the earnings can be reinvested to participate in smart nodes that incentivize node operators to perform the core consensus function in running the blockchain.

## 4.2. Future Expansion

Rapid global development demands comprehensive transformation. ARSA is transforming by offering sustainable products and services, adapting to current market needs. With our Go Beyond Next spirit that demonstrates our creativity will act differently and always go beyond reach in innovation. Our actions always prioritize the needs of the global community and the planet Earth. Our focus is on building an environmentally-friendly production and distribution ecosystem, building worker and community capabilities, delivering digital solutions, and ensuring a positive impact for the future.

# ARSA Roadmap

## 5.1. Fork to Raptoreum Code Base

ARSA will fork to the Raptoreum code base while maintaining the assets from Raptoreum and GhostRider mining algorithm. The Raptoreum code base offers features such as InstantSend and PrivateSend, which enable faster and more private transactions. Additionally, by adopting the Raptoreum code base, ARSA will introduce the concept of smart nodes, which will further enhance platform security and transaction efficiency. This transition aims to improve the overall user experience and provide a more efficient and secure transaction system for the digital trading ecosystem.

## 5.2. Marketplace Creation

ARSA is developing a comprehensive digital platform that serves as a centralized hub for all ARSA-supported buying and selling activities. This digital platform will provide a seamless and user-friendly interface for sellers and buyers to track statistics, daily payments, and activities in their sales and purchases. Additionally, this will allow users to access the ARSA marketplace, link their payment account and wallet, and view transaction details through a dedicated payment explorer.

## 5.3. Implementation and Integration

The development team will work to create, implement, and perfect the digital platform, ensuring that the envisioned mechanisms can be properly utilized.

## 5.4. Market Development

The Arsa market will be further developed to provide a smooth and secure experience for users. All ARGY used for transaction fees on the marketplace will be permanently removed from circulation through a burning process.

## 5.5. Wallet and Explorer Improvements

Arsa will continue to improve its wallet and blockchain explorer, providing users with an enhanced user experience and easier access to their digital assets and transaction data.

## 5.6. Community Development and Outreach

Arsa will focus on developing its community through outreach, partnerships, and collaborations as well as bridging small and medium-sized businesses with investors.

# Conclusion

Arsa aims to revolutionize the traditional trading industry towards digital by providing a platform that rewards communities for their participation and involvement in various transactions, while enabling the creation, trading, and utilization of digital assets. By leveraging the power of the GhostRider algorithm and asset creation capabilities, Arsa has the

potential to create a sustainable and versatile trading ecosystem that benefits both businesses and developers.

# Security and Privacy

## 6.1. Secure Transactions

Arsa utilizes security features inherited from Raptoreum and Bitcoin, ensuring that transactions are protected using advanced cryptography techniques. By leveraging a decentralized network and consensus mechanism, Arsa ensures that transactions are resistant to fraud and censorship.

## 6.2. Privacy

While Arsa does not provide the same level of privacy as privacy-focused cryptocurrencies such as Monero, Arsa still offers a reasonable level of privacy by using pseudonymous addresses for transactions. Users can take further steps to protect their privacy by using multiple addresses and practicing good operational security.

# Economic Models

## 7.1. Coin Distribution

Arsa is distributed through a smartnode mechanism and mining rewards. This distribution method ensures a fair allocation of participants in the ecosystem, incentivizing holders and miners to contribute to the growth of the platform.

## 7.2. Deflation Mechanism

Arsa Market features a burn mechanism, in which Arsa spent on transaction fees within the marketplace is permanently removed from the circulating supply. This deflationary mechanism creates scarcity and can contribute to Arsa's long-term value.

# Challenges and Potential Solutions

## Adoption and Market Penetration

To achieve widespread adoption, Arsa needs to overcome barriers to entry and create compelling value propositions for miners, developers, and other stakeholders in the trading industry. By refining its Proof of Stake mechanism, expanding the Arsa ecosystem, and building strong partnerships, Arsa can increase its market penetration and position itself as a leading platform in the digital trading industry.

In conclusion, Arsa represents a new approach to integrating blockchain technology into the digital trading industry, with its unique 70% Proof of Stake mechanism, market, and asset creation capabilities. As the platform continues to grow and expand, Arsa has the potential to reshape the ecosystem by providing new opportunities and rewards for digital businesses, developers, and other stakeholders.

# Tokenomics of Arsa

The Arsa tokenomics model is designed to support a balanced and sustainable ecosystem by distributing rewards among smartnodes, Proof of Work (PoW) miners, and developers. The tokenomics model is as follows:

70% Smart Nodes (PoS)
20% Proof of Work (PoW)
Developer Fee 10%.

The smartnode mechanism will receive 70% of the rewards, incentivizing small and medium-sized businesses to participate in the Arsa ecosystem and earn tokens for their trading activities. Additionally, 3% of the developer fee will be allocated to this. Finally, the remaining 7% will be allocated as a developer fee, ensuring that the Arsa team has the necessary resources to continue developing and improving the platform.