

Documentation

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For more information and detailed walkthroughs please visit the [SmartChain Wiki](#).

What is Radium Core?

Radium Core is the primary wallet implementation for the Radium blockchain protocol. Radium Core is also the organization that manages the core wallet code as well as managing the coin's community. By extension Radium Core acts as the backbone of the Radium ecosystem.

For a detailed wallet manual please [click here](#).

Technical Specifications:

Ticker: RADS

RPC Port: 27914

Block Time: 1 Minute

Block Maturity: 60 Blocks

PoS Rewards: 0.5 Coin / block

Minimum Stake Age: 6 Hours

Daily Generation: ~ 720 coins

Initial PoW Distribution (Done): 1,008,000

What is the Radium SmartChain?

The Radium SmartChain is both software and a protocol designed to harness the distributed irreversibility of blockchain technology and convert it into a form of power into the hands of casual and business users alike. Anyone can intuitively use the SmartChain to easily adapt to and utilize the Radium ecosystem.

and Proof-of-Ownership.

The Radium SmartChain is a combination of several new protocols which provide the framework for the development of advanced functions are rooted in a 100% decentralized and permissionless system powered by 'Smart Transactions'. At the same time, it is provided through additional core layers. Those layers include required identity verification, methods of recourse in the event of distributed custodial accounts. Each of these individual components are explained in more detail below.

FAQs

Who are the developers for Radium?

Justin J.: Founder and SmartChain Developer, SmartChain Software Solutions, LLC

Alaniz: Radium Core Developer and Community Manager

Timothy Mesker: Founder and Developer, MGR Project Radium, LLC

Lamptoast: Assistant SmartChain Developer

Goblynn: SmartChain Beta Testing

How do I buy Radium tokens?

There are multiple exchanges where you can buy Radium tokens including [Poloniex](#), [Bittrex](#), [Changelly](#) and [1EX](#). These tokens are used for the functionality of the Radium SmartChain.

Is the SmartChain Open Source?

No, for now it is a closed source project. Perhaps sometime in the future, the source will be published, but there are no current plans however that the Radium Core code is open source.

What platforms are supported?

Both the Radium Coin wallet and the Radium SmartChain is supported for Windows, Linux, and Mac.

When will Radium be added to XYZ Exchange?

Nearly every respectable exchange does not comment on new coin additions. The development team does not know in advance when it will be added to any exchange.

Is Radium Proof-of-Stake?

Yes.

Can Radium run on a Raspberry Pi?

Radium is an open source proof-of-stake coin, and should compile and run on a Raspberry Pi.

Was there a Premine/Instamine for the Radium Coin?

No. The coin was launched in May 2015. There was an approximately 2 week Script Proof of Work period, followed by decreasing difficulty. The difficulty has recently declined to 1 coin per block.

Will it become too expensive to use the Radium SmartChain if the price of Radium goes up?

No. If/When this becomes an issue, there is code in place to adjust the cost per operation, if need be.

Do you use OP_RETURN to encode the data?

No. The current protocol encodes the data into fake public keys.

SmartChain Core

SmartChain core is an extension to Radium Core, using special Smart Transactions to create a data layer within the Radium Core. A special transaction that contains specially encoded data that becomes immortalized in the block-chain. Smart transactions use specially generated data addresses which contain hexadecimal data.

Identities

A user creates an Identity when a Radium address is paired with a username and recorded in the block-chain. Identities can also include a description of the Identity, a company name, email address, phone number, and several other fields. Once an Identity is recorded, it can be used to manage other various SmartChain functions.

Identity Verification

Users can request that their Identity be verified by a third party who holds a verification key. Currently, only JJ12880 holds a verification key issued to senior community members as the system expands. This system is currently being expanded. Verification is designed to prevent scamming from accounts with misleading usernames. In order to become verified, a user must prove their identity through a medium, such as through Slack, Bitcointalk, Twitter or Telegram.

Text Notes

Users who have created an Identity will be able to record text notes in the block-chain to serve as proof of existence. All notes recorded are available to anyone who wishes to read or verify them.

DataPrints

Just like humans have unique fingerprints, digital files also have unique "DataPrints". DataPrints are a string of numbers and letters generated from a file through a cryptographic hashing function. In order to know the DataPrint of a file, a person must have also possessed that file. SmartChain core lets an Identity prove they had access to a file, at a given point in time by recording that file's DataPrint. SmartChain core allows a user to check the authenticity of a file, by comparing its DataPrint to those previously recorded in the blockchain.

One Click Verify

One Click Verify is a standalone program that allows a user to look up the DataPrint of any file on their computer. The One Click Verify program adds the windows right click context menu titled "Verify file with SmartChain" that when activated will calculate the DataPrint of the selected file and compare it to the known DataPrints in the Radium blockchain. The One Click Verify system operates independently, and does not require installation of SmartChain core.

Services

[Project Radium](#)

[SmartChain Verify](#)

[Paper Wallet Generator](#)

[Chainz Explorer](#)

[Telegram Tipbot](#)

[Poloniex](#)

[Bittrex](#)

Community

[Blog](#)

[Telegram Chat](#)

[Bitcointalk](#)

[SmartChain Wiki](#)

[Radium Core Wiki](#)

Contact

