

# RSS3 Protocol v1.0.0

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## Abstract

RSS3 Protocol v1.0.0 is completely rewritten from the ground up, replacing its predecessor v0.4.0-rc.1. It has been tested on the RSS3 DSL v0.4 - v0.9 for over 1 year and is now ready to be employed by the RSS3 DSL v1.0.0.

## Specification

### Collectible

**Collectible** covers operations that involve non-fungible tokens (NFTs).

### Approval

## Approve

**Approve** indicates an action of granting permissions to assets.

### Interface

```
interface Approve {
  action: string;
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
}
```

### Example

```
{
  "action": "approve",
  "address": "0x7713Ccb297657ca84eD79bdDf5907e0196D34205",
  "id": "6",
  "name": "CCFC",
  "standard": "ERC-721",
  "symbol": "CCFC",
  "uri": " ipfs://QmdHTECGDf8u4vNe4PLXSqBTBkYqxiCaYYfdJiUhtgiBKR/6"
}
```

## Revoke

**Revoke** indicates an action of removing permissions to assets.

### Interface

```
interface Revoke {
  action: string;
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
}
```

## Example

```
{
  "action": "revoke",
  "address": "0x5452C7fB99D99fAb3Cc1875E9DA9829Cb50F7A13",
  "id": "1032",
  "name": "The Genesis RSS3 Avatar NFT",
  "symbol": "The Genesis RSS3 Avatar NFT",
  "uri":
"data:application/json;base64,eyJ1YW11IjogI1RoZSBhZW5lc2l2IFJTUzMgQXZhdGFyIE5GVCAjMTAz
MiIsICJkZXNjcmlwdG1vbiI6ICJ1aGUgR2VuZXRpY3Vsb3VzbHkgZGVzaWduZWQgdG8gaWRlbnRpZnkgU1NTMyBj
b21tdW5pdHkgbWVtYmVycy4iLCIAiaW1hZ2UiOiAiaXBmczovL1FtU1g5UWl3a1RHQms1bTIyVXNjV6czdnJiTX
dVZkZzbXhWek1INTdoa1BENVUvMTAzMi5wbmcifQ==",
  "standard": "ERC-721"
}
```

## Burn

Burn indicates an action of burning token(s) or tokens.

## Interface

```
interface Burn {
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
}
```

## Example

```
{
  "address": "0x889edC2eDab5f40e902b864aD4d7AdE8E412F9B1",
  "id": "1685",
  "value": "1",
  "name": "Lido: stETH Withdrawal NFT",
  "symbol": "unstETH",
  "standard": "ERC-721"
}
```

## Mint

**Mint** indicates an action of minting token(s).

### Interface

```
interface Mint {
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
}
```

### Example

```
{
  "address": "0xFC19B4536a4b9B9EEc1C362894f7dC505457538D",
  "id": "696",
  "value": "1",
  "name": "R3FUS3",
  "symbol": "R3FUS3",
  "uri": "https://highlight-creator-assets.highlight.xyz/main/base-dir/b0b61e2c-
f741-48c4-94ca-f090c9f5817e/onChainDir/696",
  "standard": "ERC-721"
}
```

## Trade

### Buy

**Buy** indicates an action of buying token(s).

### Interface

```
interface Buy {
  action: string;
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
```

```

parsed_image_url?: string;
cost: {
  name?: string;
  symbol?: string;
  decimals?: number;
  value: string;
  address?: string;
  standard?: string;
};
}

```

## Example

```

{
  "action": "buy",
  "address": "0x74EE68a33f6c9f113e22B3B77418B75f85d07D22",
  "id": "5",
  "value": "1",
  "name": "Zerion Genesis Collection",
  "symbol": "ZGC",
  "uri": "ipfs://QmXBUGFTXuAeBfK9oB9G1NAhGq7AwosWjHFRHMdahETeRK",
  "standard": "ERC-1155",
  "cost": {
    "value": "14525000000000000",
    "name": "Ethereum",
    "symbol": "ETH",
    "decimals": 18
  }
}

```

## Sell

Sell indicates an action of selling token(s).

### Interface

```

interface Sell {
  action: string;
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
  cost: {
    name?: string;

```

```
    symbol?: string;
    decimals?: number;
    value: string;
    address?: string;
    standard?: string;
  };
}
```

## Example

```
{
  "action": "sell",
  "address": "0x306b1ea3ecdf94aB739F1910bbda052Ed4A9f949",
  "id": "159",
  "value": "1",
  "name": "Beanz",
  "symbol": "BEANZ",
  "uri": "ipfs://QmdYeDpkVZedk1mkGodjNmF35UNxwafhFLVvsHrWgJoz6A/beanz_metadata/159",
  "standard": "ERC-721",
  "cost": {
    "address": "0xC02aaA39b223FE8D0A0e5C4F27eAD9083c756Cc2",
    "value": "1050000000000000",
    "name": "Wrapped Ether",
    "symbol": "WETH",
    "decimals": 18,
    "standard": "ERC-20"
  }
}
```

## Transfer

**Transfer** indicates an action of transferring token(s) to others.

## Interface

```
interface Transfer {
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
}
```

## Example

```
{
  "address": "0x5452C7fB99D99fAb3Cc1875E9DA9829Cb50F7A13",
  "id": "1032",
  "value": "1",
  "name": "The Genesis RSS3 Avatar NFT",
  "symbol": "The Genesis RSS3 Avatar NFT",
  "uri":
  "data:application/json;base64,eyJ1eWw1IjogI1RoZSBhZW5lc2l2IFJFUzUzZhdGFyIE5GVCAjMTAz
  MiIsICJkZXNjcmlwdG1vbiI6ICJUaGUgR2VuZXRpY3Vsb3VzbHkgZGVzaWduZWQgdG8gaWRlbnRpZnkgU1NTMyBj
  b21tdW5pdHkgbWVtYmVycy4iLCJiaW1hZ2UiOiAiaXBmczovL1FtU1g5UWl3a1RHQms1bTIyVXNjVGVzdndJiTX
  dVZkZzbXhWek1INTdoa1BENVUvMTAzMi5wbmcifQ==",
  "standard": "ERC-721"
}
```

## Exchange

**Exchange** covers transactions taking place on Decentralized Finance platforms and exchanges.

### Swap

**Swap** indicates an action of swapping token from one to another.

### Interface

```
interface Swap {
  from: {
    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: string;
    standard?: string;
  };
  to: {
    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: number;
    standard?: string;
  };
}
```

## Example

```
{
  "from": {
    "value": "14110000000000000000",
    "name": "Ethereum",
    "symbol": "ETH",
    "decimals": 18,
  },
  "to": {
    "address": "0xA0b86991c6218b36c1d19D4a2e9Eb0cE3606eB48",
    "value": "317236429301",
    "name": "USD Coin",
    "symbol": "USDC",
    "decimals": 6,
    "standard": "ERC-20"
  }
}
```

## Liquidity

### Add

**Add** indicates an action of adding token(s) to liquidity pool.

### Interface

```
interface Add {
  action: string;
  tokens: {
    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: string;
    standard?: string;
  }[];
}
```

## Example

```
{
  "action": "add",
  "tokens": [
    {
      "address": "0x0d500B1d8E8eF31E21C99d1Db9A6444d3ADf1270",
      "value": "1127959597785240492482",
    }
  ]
}
```



```

    "name": "Wrapped Matic",
    "symbol": "WMATIC",
    "decimals": 18,
    "standard": "ERC-20"
  },
  {
    "address": "0x61299774020dA444Af134c82fa83E3810b309991",
    "value": "277872765449489056246",
    "name": "Render Token",
    "symbol": "RNDR",
    "decimals": 18,
    "standard": "ERC-20"
  }
]
}

```

## Remove

**Remove** indicates an action of removing token(s) from a liquidity pool.

### Interface

```

interface Remove {
  action: string;
  tokens: {
    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: string;
    standard?: string;
  }[];
}

```

### Example

```

{
  "action": "remove",
  "tokens": [
    {
      "address": "0x1BFD67037B42Cf73acF2047067bd4F2C47D9BfD6",
      "value": "234654",
      "name": "(PoS) Wrapped BTC",
      "symbol": "WBTC",
      "decimals": 8,
      "standard": "ERC-20"
    },
    {

```

```

    "address": "0x7ceB23fD6bC0adD59E62ac25578270cFf1b9f619",
    "value": "39315876980378304",
    "name": "Wrapped Ether",
    "symbol": "WETH",
    "decimals": 18,
    "standard": "ERC-20"
  }
]
}

```

## Collect

**Collect** indicates an action of collecting token(s) from a user.

### Interface

```

interface Collect {
  action: string;
  tokens: {
    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: string;
    standard?: string;
  }[];
}

```

### Example

```

{
  "action": "collect",
  "tokens": [
    {
      "address": "0x0d500B1d8E8eF31E21C99d1Db9A6444d3ADf1270",
      "value": "30203318448367192913",
      "name": "Wrapped Matic",
      "symbol": "WMATIC",
      "decimals": 18,
      "standard": "ERC-20"
    },
    {
      "address": "0x7ceB23fD6bC0adD59E62ac25578270cFf1b9f619",
      "value": "70529493711267",
      "name": "Wrapped Ether",
      "symbol": "WETH",
      "decimals": 18,
      "standard": "ERC-20"
    }
  ]
}

```

```
}
]
}
```

## Supply

**Supply** indicates an action of supplying token(s) to a lender.

### Interface

```
interface Supply {
    action: string;
    tokens: {
        address?: string;
        value: string;
        name?: string;
        symbol?: string;
        decimals?: string;
        standard?: string;
    }[];
}
```

### Example

```
{
  "action": "supply",
  "tokens": [
    {
      "address": "0x3c499c542cEF5E3811e1192ce70d8cC03d5c3359",
      "value": "700000000",
      "name": "USD Coin",
      "symbol": "USDC",
      "decimals": 6,
      "standard": "ERC-20"
    }
  ]
}
```

## Withdraw

**Withdraw** indicates token(s) transfer from either a CEX or a DEX.

### Interface

```
interface Withdraw {
    action: string;
    tokens: {
```

```

    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: string;
    standard?: string;
  }[];
}

```

### Example

```

{
  "action": "withdraw",
  "tokens": [
    {
      "address": "0xaf88d065e77c8cC2239327C5EDb3A432268e5831",
      "value": "124996062957",
      "name": "USD Coin",
      "symbol": "USDC",
      "decimals": 6,
      "standard": "ERC-20"
    }
  ]
}

```

## Borrow

**Borrow** indicates an action of borrowing token(s) from a lender.

### Interface

```

interface Borrow {
  action: string;
  tokens: {
    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: string;
    standard?: string;
  }[];
}

```

### Example

```

{
  "action": "borrow",

```

```

"tokens": [
  {
    "address": "0xc2132D05D31c914a87C6611C10748AEb04B58e8F",
    "value": "800000000",
    "name": "(PoS) Tether USD",
    "symbol": "USDT",
    "decimals": 6,
    "standard": "ERC-20"
  }
]
}

```

## Repay

**Repay** indicates an action of repaying tokens to a lender.

### Interface

```

interface Repay {
  action: string;
  tokens: {
    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: string;
    standard?: string;
  }[];
}

```

### Example

```

{
  "action": "repay",
  "tokens": [
    {
      "address": "0xc2132D05D31c914a87C6611C10748AEb04B58e8F",
      "value": "451826732",
      "name": "(PoS) Tether USD",
      "symbol": "USDT",
      "decimals": 6,
      "standard": "ERC-20"
    }
  ]
}

```

## Staking

## Stake

**Stake** indicates an action of staking token(s).

### Interface

```
interface Stake {
  action: string;
  token: {
    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: string;
    standard?: string;
  };
  period?: {
    start: Date,
    end: Date,
  }
}
```

### Example

```
{
  "action": "stake",
  "token": {
    "address": "0xc98D64DA73a6616c42117b582e832812e7B8D57F",
    "value": "5931560000000000000000",
    "name": "RSS3",
    "symbol": "RSS3",
    "decimals": 18,
    "standard": "ERC-20"
  },
  "period": {
    "start": "2023-02-02T12:26:59Z",
    "end": "2023-05-03T12:26:59Z"
  }
}
```

## Unstake

**Unstake** indicates an action of unstaking token(s).

### Interface

```
interface Unstake {
  action: string;
```

```

tokens: {
  address?: string;
  value: string;
  name?: string;
  symbol?: string;
  decimals?: string;
  standard?: string;
}[];
}

```

### Example

```

{
  "action": "unstake",
  "token": {
    "address": "0xc98D64DA73a6616c42117b582e832812e7B8D57F",
    "value": "4160170000000000000000",
    "name": "RSS3",
    "symbol": "RSS3",
    "decimals": 18,
    "standard": "ERC-20"
  }
}

```

### Claim

**Claim** indicates an action of claiming staking rewards.

### Interface

```

interface Claim {
  action: string;
  tokens: {
    address?: string;
    value: string;
    name?: string;
    symbol?: string;
    decimals?: string;
    standard?: string;
  }[];
}

```

### Example

```

{
  "action": "claim",
  "token": {

```

```
"address": "0xc98D64DA73a6616c42117b582e832812e7B8D57F",
"value": "5764251642130434218884",
"name": "RSS3",
"symbol": "RSS3",
"decimals": 18,
"standard": "ERC-20"
}
}
```

## Metaverse

**Metaverse** represents the Gaming sector of the Open Web.

### Burn

**Burn** indicates an action of burning token(s).

#### Interface

```
interface Burn {
    address?: string;
    id?: string;
    name?: string;
    standard?: string;
    symbol?: string;
    value: string;
    uri?: string;
    parsed_image_url?: string;
}
```

#### Example

```
{
  "address": "0x403E967b044d4Be25170310157cB1A4Bf10bdD0f",
  "decimals": 18,
  "name": "Aavegotchi FUD",
  "standard": "ERC-20",
  "symbol": "FUD",
  "value": "74800000000000000000"
}
```

### Mint

**Mint** indicates an action of minting token(s).



## Interface

```
interface Mint {
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
}
```

## Example

```
{
  "address": "0x385Eeac5cB85A38A9a07A70c73e0a3271CfB54A7",
  "decimals": 18,
  "name": "Aavegotchi GHST Token (PoS)",
  "standard": "ERC-20",
  "symbol": "GHST",
  "value": "22000000000000000000"
}
```

## Trade

### Buy

**Buy** indicates an action of buying in-game items.

## Interface

```
interface Buy {
  action: string;
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
  cost: {
    name?: string;
    symbol?: string;
    decimals?: number;
    value: string;
  }
}
```

```

    address?: string;
    standard?: string;
  };
}

```

## Example

```

{
  "action": "buy",
  "address": "0x86935F11C86623deC8a25696E1C19a8659CbF95d",
  "cost": {
    "address": "0x385Eeac5cB85A38A9a07A70c73e0a3271CfB54A7",
    "decimals": 18,
    "name": "Aavegotchi GHST Token (PoS)",
    "standard": "ERC-20",
    "symbol": "GHST",
    "value": "1500000000000000000000"
  },
  "id": "11222",
  "name": "Aavegotchi",
  "standard": "ERC-721",
  "symbol": "GOTCHI",
  "uri": "https://app.aavegotchi.com/metadata/aavegotchis/11222"
}

```

## Sell

**Sell** indicates an action of selling in-game items.

### Interface

```

interface Sell {
  action: string;
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
  cost: {
    name?: string;
    symbol?: string;
    decimals?: number;
    value: string;
    address?: string;
    standard?: string;
  };
}

```

```
};  
}
```

## Example

```
{  
  "action": "sell",  
  "address": "0x86935F11C86623deC8a25696E1C19a8659CbF95d",  
  "cost": {  
    "address": "0x385Eeac5cB85A38A9a07A70c73e0a3271CfB54A7",  
    "decimals": 18,  
    "name": "Aavegotchi GHST Token (PoS)",  
    "standard": "ERC-20",  
    "symbol": "GHST",  
    "value": "15000000000000000000"  
  },  
  "id": "11222",  
  "name": "Aavegotchi",  
  "standard": "ERC-721",  
  "symbol": "GOTCHI",  
  "uri": "https://app.aavegotchi.com/metadata/aavegotchis/11222"  
}
```

## List

**List** indicates an action of selling in-game items for trading.

## Interface

```
interface List {  
  action: string;  
  address?: string;  
  id?: string;  
  name?: string;  
  standard?: string;  
  symbol?: string;  
  value: string;  
  uri?: string;  
  parsed_image_url?: string;  
  cost: {  
    name?: string;  
    symbol?: string;  
    decimals?: number;  
    value: string;  
    address?: string;  
    standard?: string;  
  };  
};
```

```
}
```

## Example

```
{
  "action": "list",
  "address": "0x86935F11C86623deC8a25696E1C19a8659CbF95d",
  "cost": {
    "address": "0x385Eeac5cB85A38A9a07A70c73e0a3271CfB54A7",
    "decimals": 18,
    "name": "Aavegotchi GHST Token (PoS)",
    "standard": "ERC-20",
    "symbol": "GHST",
    "value": "100000000000000000"
  },
  "id": "13587",
  "name": "Aavegotchi",
  "standard": "ERC-721",
  "symbol": "GOTCHI",
  "uri": "https://app.aavegotchi.com/metadata/aavegotchis/13587"
}
```

## Transfer

**Transfer** indicates an action of transferring in-game item to others.

### Interface

```
interface Transfer {
  address?: string;
  id?: string;
  name?: string;
  standard?: string;
  symbol?: string;
  value: string;
  uri?: string;
  parsed_image_url?: string;
}
```

## Example

```
{
  "address": "0x385Eeac5cB85A38A9a07A70c73e0a3271CfB54A7",
  "decimals": 18,
  "name": "Aavegotchi GHST Token (PoS)",
  "standard": "ERC-20",
  "symbol": "GHST",
```

```
"value": "500000000000000000"
}
```

## RSS

**RSS** is de facto very first Open Standard for information dissemination on the Internet.

### Feed

Here we follow the original RSS specification to preserve the fields.

#### Interface

```
interface Feed {
    title: string;
    description: string;
    pub_date?: string; // Publication date in ISO 8601 format (e.g., "2023-11-
09T15:11:35.000Z")
    tags?: string[];
    authors?: {
        name: string
    }[];
}
```

#### Example

```
{
    "title": "[Uk] Catherine, Princess of Wales, leaves hospital after surgery",
    "description": "<div data-component=\"image-block\" class=\"ssrcss-1y79c70-
ComponentWrapper ep2nwvo1\"><figure class=\"ssrcss-4qvmb-StyledFigure
e34k3c23\">...</div>",
    "pub_date": "2024-01-29T12:03:29.000Z"
}
```

## Social

**Social** is an integral part of the Open Web.

### Comment

**Comment** indicates an action of commenting on an existing post.

#### Interface

```
interface Comment {
    handle?: string
}
```

```

body?: string
title?: string
summary?: string
media?: {
  address: string
  mime_type: string
}[]
tags?: string[]
author_url?: string
profile_id?: string
publication_id?: string
content_uri?: string
timestamp?: number
target: {
  handle?: string
  body?: string
  title?: string
  summary?: string
  media?: {
    address: string
    mime_type: string
  }[]
  tags?: string[]
  author_url?: string
  profile_id?: string
  publication_id?: string
  content_uri?: string
}
}

```

## Example

```

{
  "handle": "romain_millon.lens",
  "body": "You are not far, soon ahead...",
  "profile_id": "0x01ce63",
  "publication_id": "0x73",
  "content_uri": "ar://snYKmd1W5Hzp6Q4qkC-InfSzEVWZDx39M_7MuY4Rld4",
  "timestamp": 1699341732,
  "target": {
    "handle": "jessyjeanne.lens",
    "body": "Jessy is a queen.you want it or not. 🌟🌟 🌟🌟 \n\nI feel Fakemous being in the top 3 key with highest price value after @lens/stani 🌟🌟\n\nIt gives me Britney b*tch vibes 🌟🌟",
    "media": [
      {
        "address": "ipfs://QmT5tE8WeLYgjCkxJwJHAdw9HtkiAGWRuUKEGKkQwtLkat",
        "mime_type": "image/jpeg"
      }
    ]
  },
}

```

```
    "profile_id": "0x73b1",
    "publication_id": "0x3d81",
    "content_uri": "ar://ggN86IfdpZL15nln0Zk3kLWVVt3lnxZOL2REaRhD9Qs"
  }
}
```

## Mint

**Mint** indicates an action of minting a post.

## Interface

```
interface Mint {
  handle?: string
  body?: string
  title?: string
  summary?: string
  media?: {
    address: string
    mime_type: string
  }[]
  tags?: string[]
  author_url?: string
  profile_id?: string
  publication_id?: string
  content_uri?: string
  timestamp?: number
}
```

## Example

```
{
  "handle": "henryqw.lens",
  "body": "\"demos\", meaning people, and \"kratos\" meaning power; so democracy can be thought of as \"power of the people\": a way of governing which depends on the will of the people.",
  "profile_id": "0x83a6",
  "publication_id": "0x08",
  "content_uri": "https://arweave.net/aMAYipJXf9rVHnwRYnNF7eUCxBc1zfkaoPbt5TjwLWw",
  "timestamp": 1679902646
}
```

## Post

**Post** indicates an action of publishing a new post.

## Interface

```
interface Post {
  handle?: string
  body?: string
  title?: string
  summary?: string
  media?: {
    address: string
    mime_type: string
  }[]
  tags?: string[]
  author_url?: string
  profile_id?: string
  publication_id?: string
  content_uri?: string
  timestamp?: number
}
```

## Example

```
{
  "handle": "mstrbstrd.lens",
  "body": "Missed my lens frens :) happy to be back.",
  "media": [
    {
      "address": "ipfs://QmVKY2PnqeeRgtbzPqPuXhJokkV2TmfVeu9kk81fE93UqB",
      "mime_type": "image/jpeg"
    }
  ],
  "profile_id": "0x019c14",
  "publication_id": "0x80",
  "content_uri": "ar://JasdNwPn2LotuM1MjquEiHrEyzpe_a9ejnCtNr3KAIo",
  "tags": [
    "orbpaidcollect"
  ],
  "timestamp": 1699329250
}
```

## Profile

### Create

**Create** indicates an action of creating new credentials.

### Interface

```
interface Create {
```



```
action: string
profile_id?: string
address?: string
handle?: string
image_uri?: string
bio?: string
name?: string
expiry?: string
key?: string
value?: string
}
```

### Example

```
{
  "action": "create",
  "profile_id": "3569",
  "address": "0x3f54953e56a0fe272f3e1e61615bda1fd6578101",
  "handle": "beh.csb",
  "image_uri": "ipfs://bafkreidj4jdpwxi6aiz43ubokv5c3tnqlf4nfpkoss2rysfjzrdetgiekm"
}
```

### Update

**Update** indicates an action of updating an existing credential.

### Interface

```
interface Update {
  action: string
  profile_id?: string
  address?: string
  handle?: string
  image_uri?: string
  bio?: string
  name?: string
  expiry?: string
  key?: string
  value?: string
}
```

### Example

```
{
  "action": "update",
  "profile_id": "0x020a73",
  "address": "0xece7eddc02fb8f0010420d0d76911826b1536655",
}
```

```
"handle": "gupta.lens",
"image_uri": "ipfs://bafybeih5jwshcxwa73mtfdhwqs2rtevrh16t3blrt1b4n5dpea4iqplpu",
"bio": "I'm trader.",
"name": "PETE"
}
```

## Revise

Revise indicates an action of updating an existing post.

### Interface

```
interface Revise {
  handle: string
  body: string
  title: string
  summary: string
  media: {
    address: string
    mime_type: string
  }[]
  tags: string[]
  author_url: string
  profile_id: string
  publication_id: string
  content_uri: string
  timestamp: number
}
```

### Example

```
{
  "handle": "ordi.csb",
  "title": "YouTube Top100",
  "body": "https://cn.noxinfluencer.com/youtube-channel-rank/top-100-all-all-youtuber-sorted-by-subs-weekly\n\n\n1 T-Series https://www.youtube.com/@tseries\n",
  "profile_id": "55544",
  "publication_id": "7",
  "content_uri":
  "ipfs://bafkreic7t3twgima3cu54r7ftyuut6h74wpdwtlqoxcd66ox5qtkptokmy"
}
```

## Reward

Reward indicates an action of rewarding a post or character.

## Interface

```
interface Reward {
  handle?: string
  body?: string
  title?: string
  summary?: string
  media?: {
    address: string
    mime_type: string
  }[]
  tags?: string[]
  author_url?: string
  profile_id?: string
  publication_id?: string
  content_uri?: string
  timestamp?: number
  reward: {
    address?: string
    id?: number
    value: number
    name?: string
    symbol?: string
    uri?: string
    decimals?: number
    standard?: string
  }
}
```

## Example

```
{
  "reward": {
    "address": "0xc2132D05D31c914a87C6611C10748AEb04B58e8F",
    "value": "690000",
    "name": "(PoS) Tether USD",
    "symbol": "USDT",
    "decimals": 6,
    "standard": "ERC-20"
  },
  "target": {
    "handle": "chorsee",
    "title": "Crying with Tama",
    "summary": "The Resonance of the Concert to End Violence Against Women by Chorsee."
  }
}
```

## Share

Share indicates an action of sharing an existing post or comment, think of it as retweet.

### Interface

```
interface Share {
  handle?: string
  body?: string
  title?: string
  summary?: string
  media?: {
    address: string
    mime_type: string
  }[]
  tags?: string[]
  author_url?: string
  profile_id?: string
  publication_id?: string
  content_uri?: string
  timestamp?: number
  target: {
    handle?: string
    body?: string
    title?: string
    summary?: string
    media?: {
      address: string
      mime_type: string
    }[]
    tags?: string[]
    author_url?: string
    profile_id?: string
    publication_id?: string
    content_uri?: string
  }
}
```

### Example

```
{
  "handle": "sujiyan.lens",
  "profile_id": "0x2e62",
  "publication_id": "0x27",
  "timestamp": 1683197102,
  "target": {
    "handle": "lindao.lens",
    "body": "@sujiyan.lens  ",
    "media": [
```

```

    {
      "address": "ipfs://QmPs5HNk9CmXguyaYUih4ypRgzaKQAxkVXnhq8UjaJ3r",
      "mime_type": "image/jpeg"
    }
  ],
  "profile_id": "0x01a8ae",
  "publication_id": "0x14",
  "content_uri":
  "https://arweave.net/8QcdcOITWAOie16ZBE7MzlztD0gmrssLfspKCiwPxfY"
}
}

```

## Appoint

**Appoint** indicates an action of delegating rights to a proxy address.

### Interface

```

interface Appoint {
  action: string
  profile: {
    profile_id?: string
    address?: string
    handle?: string
    image_uri?: string
    bio?: string
    name?: string
    expiry?: string
    key?: string
    value?: string
  }
  proxy_address: string
}

```

### Example

```

{
  "action": "appoint",
  "proxy_address": "0xbbc2918c9003d264c25ecae45b44a846702c0e7c",
  "profile": {
    "profile_id": "55544",
    "address": "0x8a6ddc78e3aa24f4f31980623f489a274b305762",
    "handle": "ordi.csb"
  }
}

```

## Remove

**Remove** indicates an action of removing a proxy.

### Interface

```
interface Remove {
  action: string
  profile: {
    profile_id?: string
    address?: string
    handle?: string
    image_uri?: string
    bio?: string
    name?: string
    expiry?: string
    key?: string
    value?: string
  }
  proxy_address: string
}
```

### Example

```
{
  "action": "remove",
  "proxy_address": "0x0f588318a494e4508a121a32b6670b5494ca3357",
  "profile": {
    "profile_id": "32010",
    "address": "0x23c46e912b34c09c4bcc97f4ed7cdd762cee408a",
    "handle": "brucexx.csb"
  }
}
```

## Delete

**Delete** indicates an action of deleting a post.

### Interface

```
interface Delete {
  handle?: string
  body?: string
  title?: string
  summary?: string
  media?: {
    address: string
    mime_type: string
  }
}
```

```
  }[]
  tags?: string[]
  author_url?: string
  profile_id?: string
  publication_id?: string
  content_uri?: string
  timestamp?: number
}
```

## Example

```
{
  "handle": "ordi.csb",
  "title": "YouTube Top100",
  "body": "https://cn.noxinfluencer.com/youtube-channel-rank/top-100-all-all-youtuber-sorted-by-subs-weekly\n\n\n1 T-Series https://www.youtube.com/@tseries\n",
  "profile_id": "55544",
  "publication_id": "7",
  "content_uri":
  "ipfs://bafkreic7t3twgima3cu54r7ftyuut6h74wpdwtlqoxcd66ox5qtkptokmy"
}s
```

# Transaction

**Transaction** covers operation that involves tokens (except **Collectible**) on a blockchain.

## Approval

### Approve

**Approve** indicates an action of granting permissions to assets.

### Interface

```
interface Approve {
  action: string;
  address?: string;
  id?: string;
  value?: string;
  name?: string;
  symbol?: string;
  uri?: string;
  decimals?: number;
  standard?: string;
}
```

## Example

```
{
  "action": "approve",
  "address": "0x72e4f9F808C49A2a61dE9C5896298920Dc4EEea9",
  "id": "6",
  "value": "100000000000",
  "name": "HarryPotterObamaSonic10Inu",
  "symbol": "BITCOIN",
  "uri":
  "https://assets.coingecko.com/coins/images/30323/thumb/hpos10i_logo_casino_night-
  dexview.png?1696529224",
  "decimals": 8,
  "standard": "ERC-20"
}
```

## Revoke

**Revoke** indicates an action of removing permissions to assets.

## Interface

```
interface Revoke {
  action: string;
  address?: string;
  id?: string;
  value?: string;
  name?: string;
  symbol?: string;
  uri?: string;
  decimals?: number;
  standard?: string;
}
```

## Example

```
{
  "action": "revoke",
  "address": "0x72e4f9F808C49A2a61dE9C5896298920Dc4EEea9",
  "id": "6",
  "value": "100000000000",
  "name": "HarryPotterObamaSonic10Inu",
  "symbol": "BITCOIN",
  "uri":
  "https://assets.coingecko.com/coins/images/30323/thumb/hpos10i_logo_casino_night-
  dexview.png?1696529224",
  "decimals": 8,
  "standard": "ERC-20"
}
```



```
}
```

## Bridge

### Withdraw

**Withdraw** indicates an action of withdrawing token(s) from one network to another.

### Interface

```
interface Withdraw {
  action: string;
  source_network: string;
  target_network: string;
  token: {
    address?: string;
    id?: string;
    value: string;
    name?: string;
    symbol?: string;
    uri?: string;
    decimals?: number;
    standard?: string;
  }
}
```

### Example

```
{
  "action": "deposit",
  "source_network": "zksync_lite",
  "target_network": "ethereum",
  "token": {
    "address": "0x7713Ccb297657ca84eD79bdDf5907e0196D34205",
    "value": "30000000000000000",
    "name": "Ethereum",
    "symbol": "ETH",
    "uri": "https://assets.coingecko.com/coins/images/279/large/ethereum.png",
    "decimals": 18
  }
}
```

### Deposit

**Deposit** indicates an action of depositing token(s) from one network to another.

## Interface

```
interface Deposit {
  action: string;
  source_network: string;
  target_network: string;
  token: {
    address?: string;
    id?: string;
    value: string;
    name?: string;
    symbol?: string;
    uri?: string;
    decimals?: number;
    standard?: string;
  }
}
```

## Example

```
{
  "action": "deposit",
  "source_network": "ethereum",
  "target_network": "ethereum",
  "token": {
    "address": "0x23b891e5C62E0955ae2bD185990103928Ab817b3",
    "value": "84265385201993306272353",
    "name": "nUSD",
    "symbol": "nUSD",
    "decimals": 18,
    "standard": "ERC-20"
  }
}
```

## Burn

**Burn** indicates an action of burning token(s).

## Interface

```
interface Burn {
  address?: string;
  id?: string;
  value: string;
  name?: string;
  symbol?: string;
  uri?: string;
  decimals?: number;
```

```
standard?: string;
}
```

## Example

```
{
  "address": "0x1f961BCEAEF8eDF6fb2797C0293FfBDe3E994614",
  "value": "9000000000000000",
  "name": "Dingo Token",
  "symbol": "DINGO",
  "decimals": 9,
  "standard": "ERC-20"
}
```

## Mint

**Mint** indicates an action of minting token(s).

## Interface

```
interface Mint {
  address?: string;
  id?: string;
  value: string;
  name?: string;
  symbol?: string;
  uri?: string;
  decimals?: number;
  standard?: string;
}
```

## Example

```
{
  "address": "0x5F1B0A5dBc388a631F324f38C5245bC3410be991",
  "id": "0",
  "value": "1",
  "name": "SpaceX Voucher 71 of 100",
  "symbol": "Reward at 3webx.cc",
  "uri": "https://3webx.cc/0.json",
  "standard": "ERC-1155"
}
```

## Transfer

**Transfer** indicates an action of transferring token(s) to others.

## Interface

```
interface Transfer {
  address?: string;
  id?: string;
  value: string;
  name?: string;
  symbol?: string;
  uri?: string;
  decimals?: number;
  standard?: string;
}
```

## Example

```
{
  "address": "0x5F82a3967f279729A7C58D741E9824A6d653317E",
  "id": "7",
  "value": "4593020000012345678",
  "name": "xAI",
  "symbol": "xAI",
  "decimals": 8,
  "standard": "ERC-20"
}
```

# Future Compatibility

This version is considered to be the first stable and production-grade version of the RSS3 Protocol. It is designed to be compatible with future versions of the RSS3 Protocol, where breaking changes are expected to be minimal.