

Modifications to the Raven Road Map Asset management protocol

Method	Input	Output	description
Issue			Creates a set of tokens with AssetName as the string identifier and Quantity
	AssetName		Must be unique within RVN
	Issuer		RVN address paying the fee
	IssueTo		RVN address which will hold the initial Asset Tokens
	Quantity		Non-zero quantity of Asset tokens
	Digits		0-MAX_Digits. 0 means non-divisible
	Reissuable		This flag limits issuing additional tokens in the future which restricts the Asset usage. Recommend eliminating it.
IssueFrom			The methods Issue and IssueFrom provide the same feature with the only difference being the issuer address (from_address) missing in one method. To reduce code maintenance, removing this method is recommended.
IssueMore			Creates additional Asset Tokens to pre-existing Asset.
	AssetName		Must pre-exist
	Issuer		RVN address paying the fee
	IssueTo		RVN address which will hold the additional Asset Tokens
	Quantity		Amount of Asset Tokens to create
SendAsset			Transfers Asset Tokens from one RVN address to another RVN address
	AssetName		
	FromAddress		RVN address of Asset Token sender
	ToAddress		RVN address of Asset Token receiver
	AssetAddress		Address of the Asset Token to be transferred. If non-divisible Asset, this field is the Asset

			Token address. If divisible, it is ignored.
	AssetAmount		Amount of Asset to be transferred. If UniqueToken, it is set to 1 and each Asset Token needs to be moved individually.
Reward			Distributes RVN coins to specified group of Asset Token holders
	AssetName		
	FromAddress		RVN address of the reward sender
	Amount		Amount of RVN to distribute
	Except[]		A list of RVN address of Asset Token holders who won't be paid.
MakeUniqueAsset			Makes an instance of an Asset Token unique by assigning an identifier. E.g. for an asset "SOFTLICENCE" assign a unique license key to one Asset Token address resulting SOFTLICENCE:001
	AssetName		
	AssetAddress		Address of an Asset Token. NOTE: the Asset must be non-divisible. E.g. Digit was 0 when Issue was called.
	UniqueID		ID that is to be associated with this Asset Token. It must be unique within the Asset scope, but not within RVN
ListAssetTokenHistory			Retrieves the history of an Asset Token based on the Token address. The history includes Asset Issuance to current holder.
	AssetName		
	AssetTokenAddress		Address of the Asset Token
		txID[]	A list of transactions
GetAssetCount			Retrieves a number of Assets currently issued.
		Count	Count of Issued Assets
GetAssetNames			Retrieve all of the Assets' names
		assetNames[]	A list of all Assets' names

GetAssetInfo			Given an AssetName, returns total Asset Tokens and Asset Token holders' RVN addresses
	AssetName		
		quantity	Amount of current Asset Tokens
		holders[]	A list of Asset Token holders.
GetAssetHolderInfo			Returns information about an Asset Token holder.
	HolderAddress		RVN address of the Asset Token holder
		quantity	Amount of Asset Token held
		assetTokenAddress[]	If the Asset is non-divisible, it is a list of UniqueIDs.
GetAssetTransaction			Returns details of the specified Asset Token transaction
	AssetName		
	AssetTransactionId		Transaction id (hash) for the Asset Token from RVN blockchain
		fromAddress	RVN address of the transaction source
		toAddress	RVN address of the transaction destination
		quantity	Amount of the Asset Token
ListAssetTransactions			Do we really want to list all transactions for the specified Asset? It can be useful in the non-divisible Asset's individual transaction history.
MessageUnicast			Sends a message to a holder of the specified Asset
	AssetName		
	FromAddress		RVN address of the message originator
	ToAssetHolderAddress		RVN address of Asset holder
	Message		Valid message to send out
MessageBroadcast			Sends a message to all holders of the specified Asset
	AssetName		
	FromAddress		RVN address of the message originator
	Message		Valid message to send out
PollCreate			Creates a polling resources. A Poll is similar to an Asset Token within the context of RVN. Just like RVN can support many

			Asset Tokens, a single Asset Token can support multiple Poll Tokens. So a Poll is a set of Poll Tokens within an Asset Token.
	AssetName		
	PollCreator		RVN address of the poll creator.
	PollName		A valid name with the same criteria as AssetName. It must be unique within the scope of Asset Token.
	PollOpen		Date & Time of when the poll should be active. Optional parameter. If left out, this poll is active immediately. Prior to the poll starting time PollOpen, PollStart can be used to force starting the poll.
	PollClose		Date & Time of when the polling stops. Optional parameter. If left out, this poll is ongoing until terminated with PollEnd.
PollStart			Starts the polling immediately.
	AssetName		
	PollName		Name of the poll
	PollMessage		Message to be sent out to AssetHolders regarding this poll.
PollSend			Sends the polling token for the Asset to the specified Asset Token holder.
	AssetName		
	PollName		
	FromAddress		RVN address of this message sender.
	ToAddress		RVN address of the Asset holder
	PollMessage		
	PollTokenAddress		PollToken to record the vote
	PollTokenQuantity		Amount of vote based on the Asset Tokens held. 1 Asset Token equals 1 PollTokenQuantity. Even the non-divisible Assets will specify the number of Asset Tokens held by the "ToAddress"
PollCast			Records the vote from the Asset Token holder.
	AssetName		
	PollName		

	FromAddress		RVN address of Asset Token holder.
	PollTokenAddress		PollToken to record the vote
	PollTokenQuantity		Amount of vote based on the Asset Tokens held.
	Vote		Value of vote. Could be [YAY, NAY, ABSTAIN] or other possible value based on the poll design.
PollEnd			Terminates the polling.
	AssetName		
	PollName		

