

	Description	Params			Return type
		Params type	Params structure	Description	
CreateSwap	Add new swap pair.	CreateSwapInput	int32 origin_token_size_in_byte = 1;	numeric range for origin token amount (in byte)	Hash
			bool origin_token_numeric_big_endian = 2;	origin token numeric endian	
			repeated SwapTargetToken swap_target_token_list =3;		
			message SwapTargetToken{ string target_token_symbol = 1; SwapRatio swap_ratio = 2; int64 deposit_amount = 3; } message SwapRatio{ int64 origin_share = 1; int64 target_share = 2; }	swap_ratio means the exchange rate for each token to swap. deposit_amount means token amount for the initial deposit on this contract and these token would be transferred to this contract as long as al	
CreateSwapRound	Add new swap round for one swap pair.	CreateSwapRoundInput	aelf.Hash pair_id = 1;	pair id	-
			aelf.Hash merkle_tree_root = 2;	merkle tree root for this round	
			round_id = 3;	round id	
SwapToken	Launch swap token.	SwapTokenInput	aelf.Hash pair_id = 1;	pair id	-
			string origin_amount = 2;	origin token amount, in string	
			aelf.MerklePath merkle_path = 3;	merkle tree path	
			aelf.Address receiver_address = 4;	receiver address	
			aelf.Hash unique_id = 5;	unique id for once swap action	
ChangeSwapRatio	Change exchange rate for one type token.	ChainSwapRatiolnput	int64 round_id = 6;	round id	-
			aelf.Hash pair_id = 1;	pair id	
			SwapRatio swap_ratio = 2;	new exchange rate	
Deposit	Deposit token to this contract.	DepositInput	string target_token_symbol = 3;	token symbol	-
			aelf.Hash pair_id = 1;	pair id	
			int64 amount = 3;	target amount	
GetSwapPair	Get swap info for one type of token.	GetSwapPairInput	aelf.Hash swap_id = 1;	pair id	message SwapPair{ aelf.Hash swap_id = 1; int32 origin_token_size_in_byte = 2; bool origin_token_numeric_big_endian = 3; string target_token_symbol = 4; SwapRatio swap_ratio = 5; int64 swapped_amount = 6; int64 swapped_times = 7; int64 round_count = 8; int64 deposit_amount = 9; }
				token symbol	
			string target_token_symbol = 2;		
GetSwapRound	Get swap round data.	GetSwapRoundInput	aelf.Hash swap_id = 1;	pair id	message SwapRoundUpdated{ option (aelf.is_event) = true; aelf.Hash merkle_tree_root = 1; google.protobuf.Timestamp start_time = 2; aelf.Hash swap_id = 3; }
			string target_token_symbol = 2;	token symbol	
			int64 round_id = 3;	round id	