overview)

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SubscriptionManager

Overview

The Secret AISubscription Manager Contract is designed for subscription-based use cases, where an admin manages subscribers using their public keys. The contract keeps track of registered subscribers and API keys, ensuring that only authorized admins can manage them.

Contract State

The contract stores:

- Admin Address
- : The account that has permission to register or remove subscribers, manage API keys, and change admin rights.
- Subscribers
- : A mapping from a public key to the subscriber's status (active or inactive).
- API Keys
- : A mapping of hashed API keys used for external access control. The API keys are stored as SHA-256 hashes to enhance security.

Messages (ExecuteMsg)

Note : AllExecuteMsg messages can only be called by theadmin of the contract.

RegisterSubscriber

- Action
- : Registers a new subscriber in the contract's state.
- Parameters
- :
-
  - public_key
-
  - (String): The public key of the subscriber.

RemoveSubscriber

- Action
- : Removes a subscriber from the contract's state.
- Parameters
- :
-
  - public_key
-
  - (String): The public key of the subscriber.

SetAdmin

- Action
- : Updates the admin of the contract.
- Parameters
- :
-

- public_key

- (String): The public key of the new admin.

AddApiKey

- Action
- : Adds a new API key (itsSHA-256
- hash) to the contract's state.
- Parameters
- :
  - api_key

- (String): The plaintext API key.

RevokeApiKey

- Action
- : Revokes an existing API key by removing its hash.
- Parameters
- :
  - api_key

- (String): The plaintext API key.

Queries (QueryMsg)

SubscriberStatus

- Action
- : Verifies whether a subscriber is active by checking if their public key is stored in the contract.
- Parameters
- :
  - public_key

  - (String): The public key of the subscriber.
- Response
- :
  - active

- (bool): Returnstrue

- if the subscriber is active, otherwisefalse

  - .

ApiKeysWithPermit

- Action
- : Returns the list of all stored API keys.
- Parameters
- :
  - permit

  - (Permit): A valid admin-signed permit.
- Response
- :
  - api_keys

  - (Vec): A list of hashed API keys. Last updated11 days ago

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