square.com

Before we begin
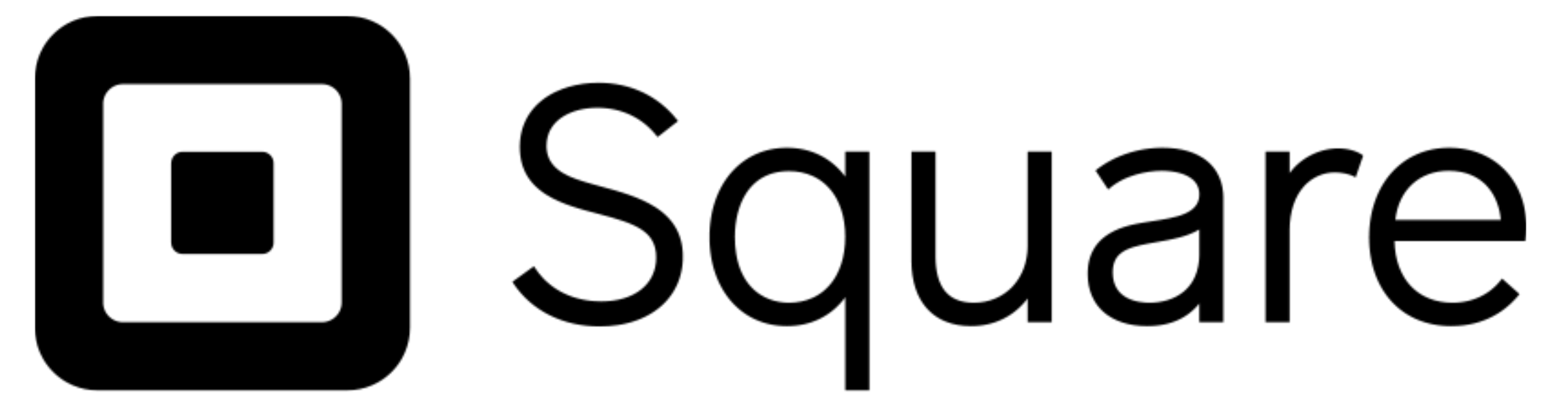
Tristan Sokol

presents

Except for SDKs

Square

Abbreviated org chart

- $ Cash
- Seller
  - Items
  - Appointments
  - Developers
  - Loyalty
  - ...
- caviar
- Capital
- ...

Abbreviated org chart

- $ Cash
- ▣ Seller
  - Items
  - Appointments
  - Developers
  - Loyalty
  - ...
- caviar
- Capital
- ...

Abbreviated

$ Cash   Seller   caviar   Capital   ...

Items   Appointments   Developers   Loyalty   ...

SDKs

THE HOPEFUL
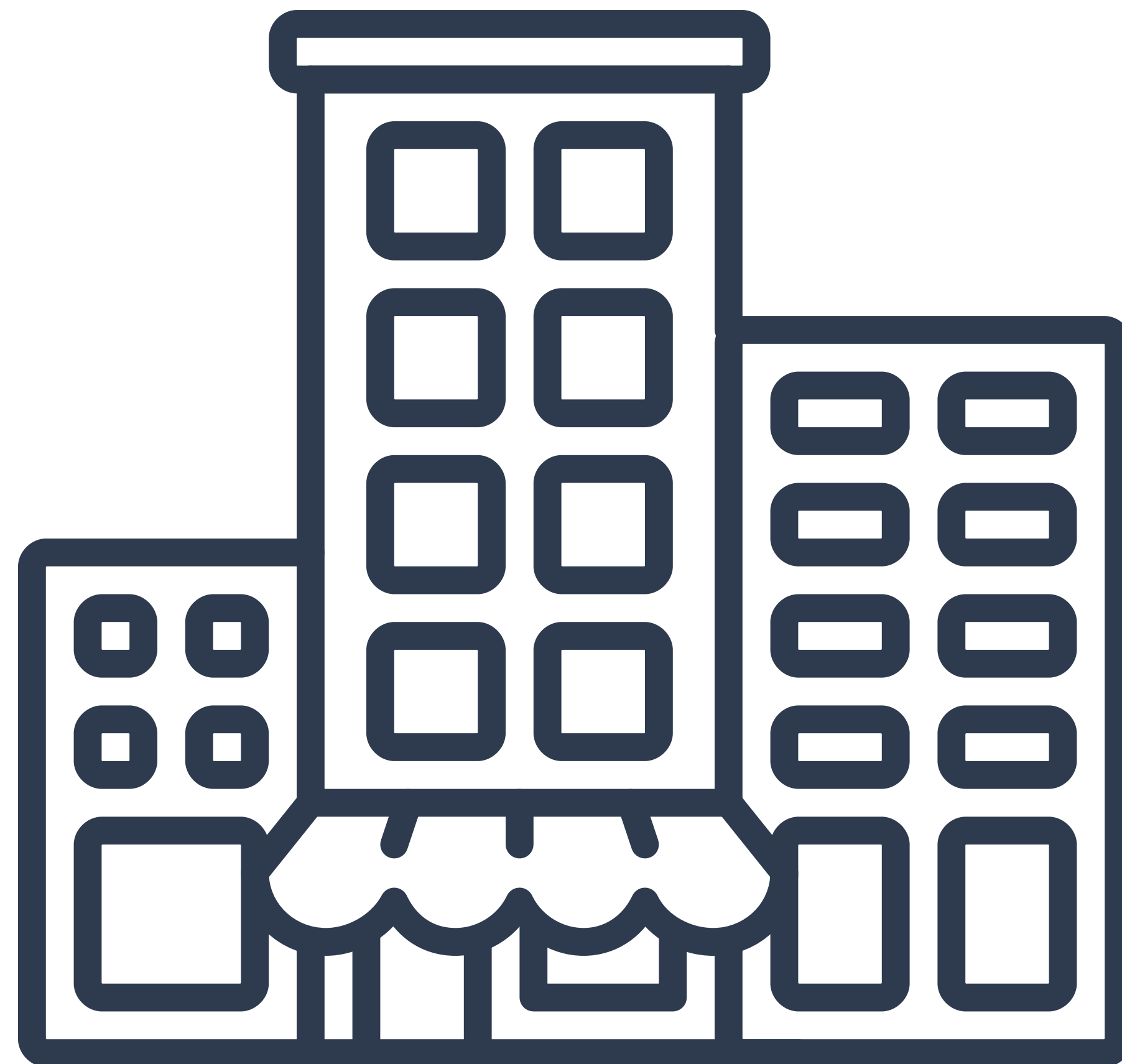# THE BESPOKE
and
THE GENERATED

R.I.P.

COMPOSER

пРм

THE HOPEFUL

<> Code   Issues 0   Pull requests 0   Projects 0   Wiki   Pulse   Graphs   Settings

No description, website, or topics provided.

Edit

Add topics

⊕ **1 commit**   ⑂ **1 branch**   ◇ **0 releases**   ⚇ **1 contributor**

Branch: master ▾   New pull request   Create new file   Upload files   Find file   Clone or download ▾

🙍 **tristansokol** Initial commit   Latest commit 257f99d 15 days ago

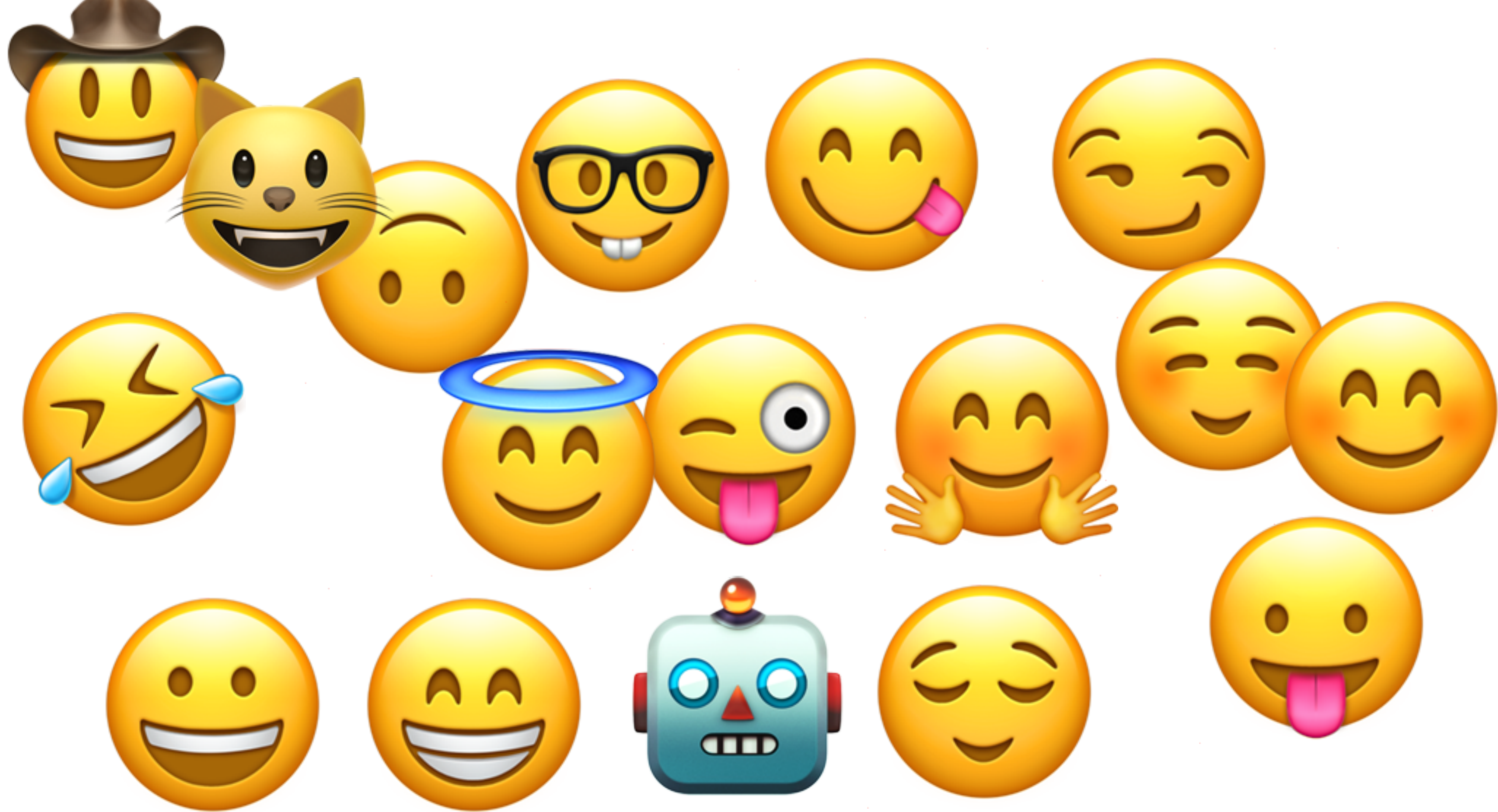📄 README.md   Initial commit   15 days ago

📖 README.md

This is a stub of a Ruby gem for our service, please add your contributions with pull requests!

ARTISANAL

HANDCRAFTED IN SMALL BATCHES

SDKs

THE BESPOKE

How do you get the best of both worlds?

THE GENERATED

It all starts with our specification.

```json
{
  "swagger": "2.0",
  "info": {
    "version": "2.0",
    "title": "Square Connect API",
    "description": "Client library for accessing the Square Connect APIs",
    "termsOfService": "https://connect.squareup.com/tos",
    "contact": {
      "name": "Square Developer Platform",
      "email": "developers@squareup.com",
      "url": "https://squareup.com/developers"
    },
    "license": {
      "name": "Apache 2.0",
      "url": "http://www.apache.org/licenses/LICENSE-2.0.html"
    }
  },
  "externalDocs": {
    "description": "Read the official documentation here:",
    "url": "https://docs.connect.squareup.com/"
  },
  "host": "connect.squareup.com",
  "schemes": [
    "https"
  ],
  "consumes": [
    "application/json"
  ],
  "produces": [
    "application/json"
  ],
  "securityDefinitions": {
    "oauth2": {
      "type": "oauth2",
      "authorizationUrl": "https://connect.squareup.com/oauth2/authorize?<PARAMETERS>",
      "flow": "accessCode",
      "tokenUrl": "https://connect.squareup.com/oauth2/token",
      "scopes": {
        "MERCHANT_PROFILE_READ": "GET endpoints related to a merchant\u0027s business and location entities. Almost all Connect API applications need this permission in order to obtain a merchant\u0027s location IDs",
        "PAYMENTS_READ": "GET endpoints related to transactions and refunds",
        "PAYMENTS_WRITE": "POST, PUT, and DELETE endpoints related to transactions and refunds. E-commerce applications must request this permission",
        "CUSTOMERS_READ": " GET endpoints related to customer management",
        "CUSTOMERS_WRITE": "POST, PUT, and DELETE endpoints related to customer management",
        "SETTLEMENTS_READ": "GET endpoints related to settlements (deposits)",
        "BANK_ACCOUNTS_READ": "GET endpoints related to a merchant\u0027s bank accounts",
        "ITEMS_READ": "GET endpoints related to a merchant\u0027s item library",
        "ITEMS_WRITE": "POST, PUT, and DELETE endpoints related to a merchant\u0027s item library",
        "ORDERS_READ": "GET endpoints related to a merchant\u0027s Square online store.",
        "ORDERS_WRITE": "POST, PUT, and DELETE endpoints related to a merchant\u0027s Square online store",
        "EMPLOYEES_READ": "GET endpoints related to employee management",
        "EMPLOYEES_WRITE": "POST, PUT, and DELETE endpoints related to employee management",
        "TIMECARDS_READ": "GET endpoints related to employee timecards",
        "TIMECARDS_WRITE": "POST, PUT, and DELETE endpoints related to employee timecards"
      }
    }
  },
  "paths": {
    "/v2/locations/{location_id}/transactions": {
      "post": {
        "tags": [
          "Transaction"
        ],
        "summary": "Charge",
        "operationId": "Charge",
        "description": "Charges a card represented by a card nonce or a customer\u0027s card on file.\n\nYour request to this endpoint must include _either_:\n\n- A value for the `card_nonce` parameter (to charge a card nonce generated\nwith the `SqPaymentForm`)\n- Values for the `customer_card_id` and `customer_id` parameters (to charge\na customer\u0027s card on file)\n\nIn order for an e-commerce payment to potentially qualify for\n[Square chargeback protection](https://squareup.com/help/article/5394), you\n_must_ provide values for the following parameters in your request:\n\n- `buyer_email_address`\n- At least one of `billing_address` or `shipping_address`\n\nWhen this response is returned, the amount of Square\u0027s processing fee might not yet be\ncalculated. To obtain the processing fee, wait about ten seconds and call\n[RetrieveTransaction](#endpoint-retrievetransaction). See the `processing_fee_money`\nfield of each [Tender included](#type-tender) in the transaction.",
        "x-oauthpermissions": [
          "PAYMENTS_WRITE"
        ],
        "parameters": [
          {
            "name": "Authorization",
            "in": "header",
            "type": "string",
            "required": true,
```

```json
{
 …
 "info": {
    "version": "2.0",
    "title": "Square Connect API",
    "termsOfService": "https://connect.squareup.com/tos",
    "contact": {
      "name": "Square Developer Platform",
      "email": "developers@squareup.com",
      "url": "https://squareup.com/developers"
    },
    "license": {
      "name": "Apache 2.0",
      "url": "http://www.apache.org/licenses/LICENSE-2.0.html"
    }
  },
 …
}
```

```json
"/v1/me/employees": {
    "post": {
      "tags": [
        "V1Employees"
      ],
      "summary": "Creates an employee for a business.",
      "operationId": "CreateEmployee",
      "description": "Creates an employee for a business.",
      "parameters": [
        {
          "name": "body",
          "in": "body",
          "required": true,
          "schema": {
            "$ref": "#/definitions/v1Employee"
          }
        }
      ],
```

```json
  "security": [
    {
      "oauth2": [
        "EMPLOYEES_WRITE"
      ]
    }
  ],
  "externalDocs": {
    "description": "Read the offical documentation here:",
    "url": "https://docs.connect.squareup.com/api/connect/
      v1/#post-employees"
  },
  "deprecated": false,
  "responses": {
    "200": {
      "description": "Success",
      "headers": {},
      "schema": {
        "$ref": "#/definitions/v1Employee"
```

```json
      }
    ],
    "externalDocs": {
      "description": "Read the offical documentation here:",
      "url": "https://docs.connect.squareup.com/api/connect/
        v1/#post-employees"
    },
    "deprecated": false,
    "responses": {
      "200": {
        "description": "Success",
        "headers": {},
        "schema": {
          "$ref": "#/definitions/v1Employee"
        }
      }
    }
  },
```

square/connect-api-specification/
——api.json

square/connect-ruby-sdk

square/connect-csharp-sdk

square/connect-java-sdk

square/connect-php-sdk

square/connect-python-sdk

Abbreviated org chart

Cash · Seller · caviar · Capital · ...

Items · Appointments · Developers · Loyalty · ...

Abbreviated org chart

Cash.proto   Seller.proto   caviar.proto   Capital.proto   ...

Items.proto   Appointments.proto   Developers   Loyalty.proto   ...

items.proto

customers.proto

employees.proto

JAVA TOOL

api.json

```json
"/v1/{location_id}/cash-drawer-shifts": {
  "get": {
    "tags": [
      "V1Employees"
    ],
    "summary": "Provides the details for all of a location\u0027s cash drawer shifts during a date range. The date range you specify cannot exceed 90 days.",
    "operationId": "ListCashDrawerShifts",
    "description": "Provides the details for all of a location\u0027s cash drawer shifts during a date range. The date range you specify cannot exceed 90 days.
    "parameters": [
      {
        "name": "location_id",
        "in": "path",
        "description": "The ID of the location to list cash drawer shifts for.",
        "type": "string",
        "required": true
      },
      {
        "name": "order",
        "in": "query",
        "description": "The order in which cash drawer shifts are listed in the response, based on their created_at field. Default value: ASC",
        "type": "string",
        "enum": [
          "ASC",
          "DESC"
        ],
        "required": false
      },
      {
        "name": "begin_time",
        "description": "The beginning of the requested reporting period, in ISO 8601 format. Default value: The current time minus 90 days.",
        "type": "string",
        "in": "query",
        "required": false
      },
      {
        "name": "end_time",
        "description": "The beginning of the requested reporting period, in ISO 8601 format. Default value: The current time.",
        "type": "string",
        "in": "query",
        "required": false
      }
    ],
    "security": [
      {
        "oauth2": [
          "PAYMENTS_READ"
        ]
      }
    ],
    "externalDocs": {
      "description": "Read the offical documentation here:",
      "url": "https://docs.connect.squareup.com/api/connect/v1/#get-cashdrawershifts"
    },
    "deprecated": false,
    "responses": {
      "200": {
        "description": "Success",
        "headers": {
          "Link": {
            "description": "If returned, there are too many items to return in one request and you must paginate with the supplied link. ",
            "type": "string"
          }
        },
        "schema": {
          "type": "array",
          "items": {
            "$ref": "#/definitions/v1CashDrawerShift"
          }
        }
      }
    }
  }
},
```

items.proto

customers.proto

employees.proto

**JAVA TOOL**

api.json

```
"/v1/{location_id}/cash-drawer-shifts": {
  "get": {
    "tags": [
      "V1Employees"
    ],
    "summary": "Provides the details for all of a location\u0027s cash drawer shifts during a date range. The date range you specify cannot exceed 90 days.",
    "operationId": "ListCashDrawerShifts",
    "description": "Provides the details for all of a location\u0027s cash drawer shifts during a date range. The date range you specify cannot exceed 90 days.
    "parameters": [
      {
        "name": "location_id",
        "in": "path",
        "description": "The ID of the location to list cash drawer shifts for.",
        "type": "string",
        "required": true
      },
      {
        "name": "order",
        "in": "query",
        "description": "The order in which cash drawer shifts are listed in the response, based on their created_at field. Default value: ASC",
        "type": "string",
        "enum": [
          "ASC",
          "DESC"
        ],
        "required": false
      },
      {
        "name": "begin_time",
        "description": "The beginning of the requested reporting period, in ISO 8601 format. Default value: The current time minus 90 days.",
        "type": "string",
        "in": "query",
        "required": false
      },
      {
        "name": "end_time",
        "description": "The beginning of the requested reporting period, in ISO 8601 format. Default value: The current time.",
        "type": "string",
        "in": "query",
        "required": false
      }
    ],
    "security": [
      {
        "oauth2": [
          "PAYMENTS_READ"
        ]
      }
    ],
    "externalDocs": {
      "description": "Read the offical documentation here:",
      "url": "https://docs.connect.squareup.com/api/connect/v1/#get-cashdrawershifts"
    },
    "deprecated": false,
    "responses": {
      "200": {
        "description": "Success",
        "headers": {
          "Link": {
            "description": "If returned, there are too many items to return in one request and you must paginate with the supplied link. ",
            "type": "string"
          }
        },
        "schema": {
          "type": "array",
          "items": {
            "$ref": "#/definitions/v1CashDrawerShift"
          }
        }
      }
    }
  }
},
```

SWAGGER CODEGEN

Build APIs quicker and improve consumption of your Swagger-defined APIs in every popular language with Swagger Codegen. Swagger Codegen can simplify your build process by generating server stubs and client SDKs from your Swagger specification, so your team can focus better on your API's implementation and adoption.

DOWNLOAD

{{ templates }}
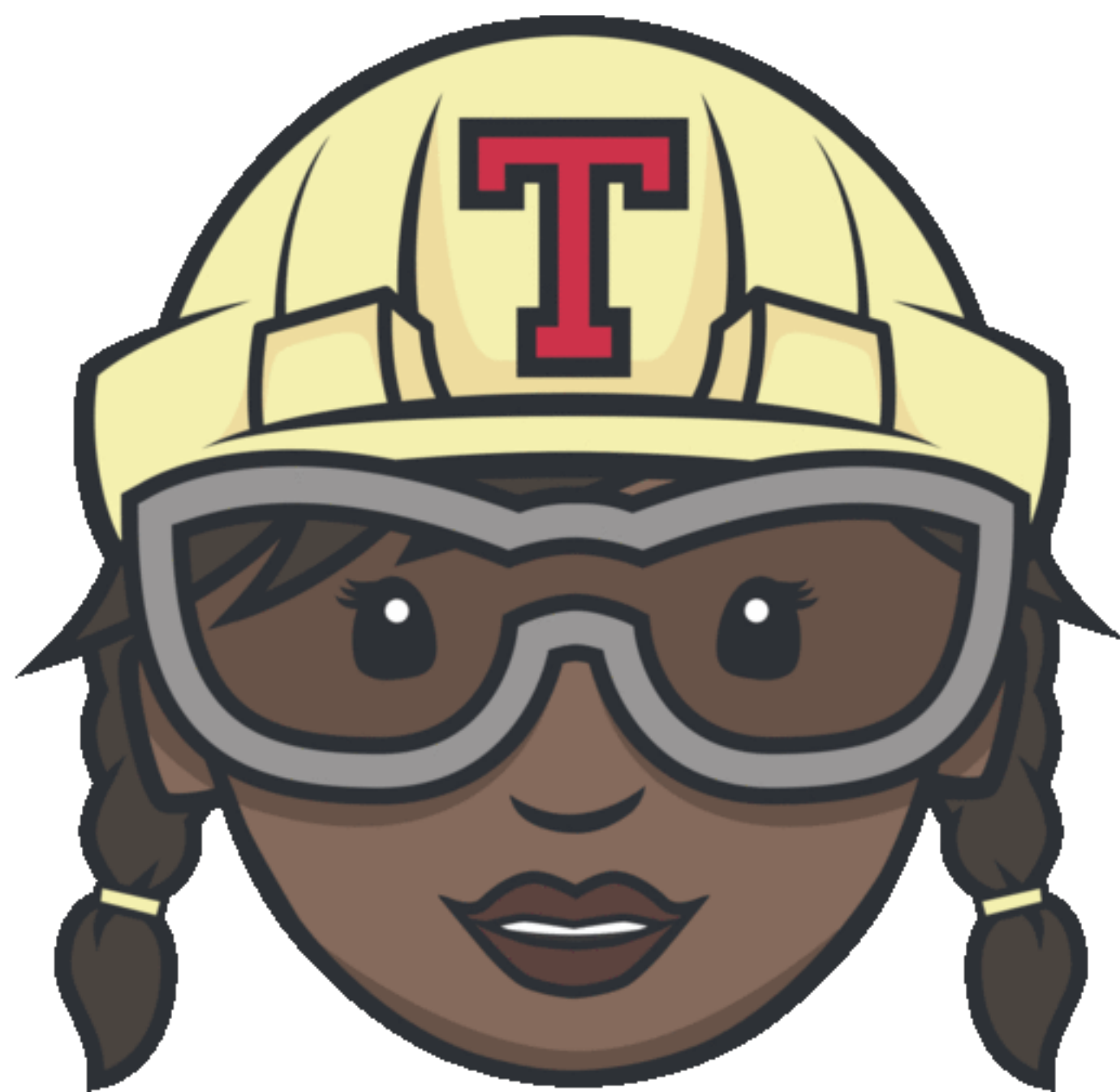
api.json

SWAGGER CODGEN

Client library!

config.json
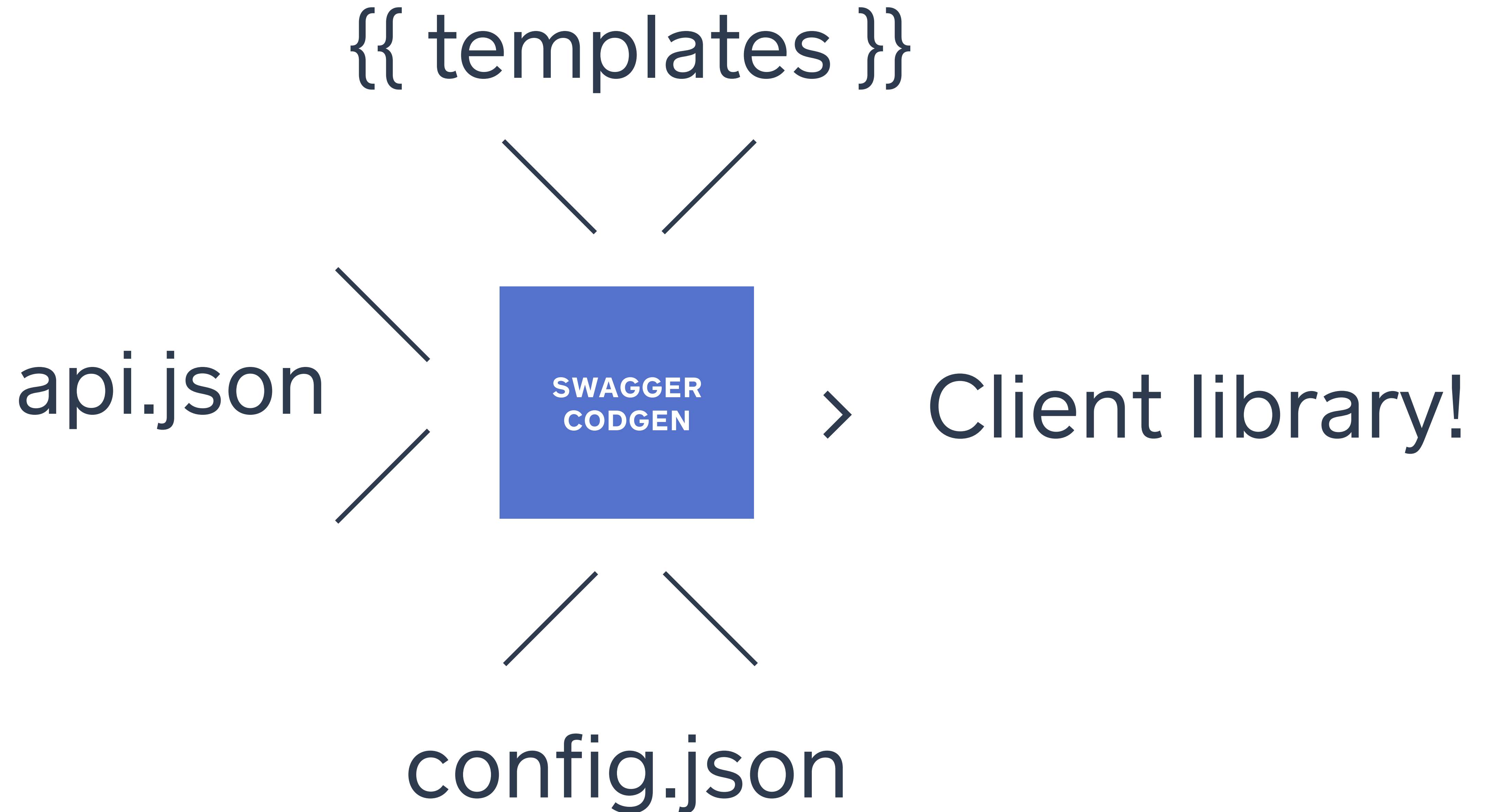
{{ templates }}

api.json

SWAGGER
CODGEN

config.json

PHP Client library!

Ruby Client library!

Python Client library!

Java Client library!

C# Client library!

Travis CI

square/connect-api-specification/
———api.json

square/connect-api-specification/
——api.json
——templates/
————php/
————ruby/
————...
——config/
————php.json
————ruby.json
————...

square/connect-api-specification/
——api.json
——templates/
————php/
————ruby/
————...
——config/
————php.json
————ruby.json
————...
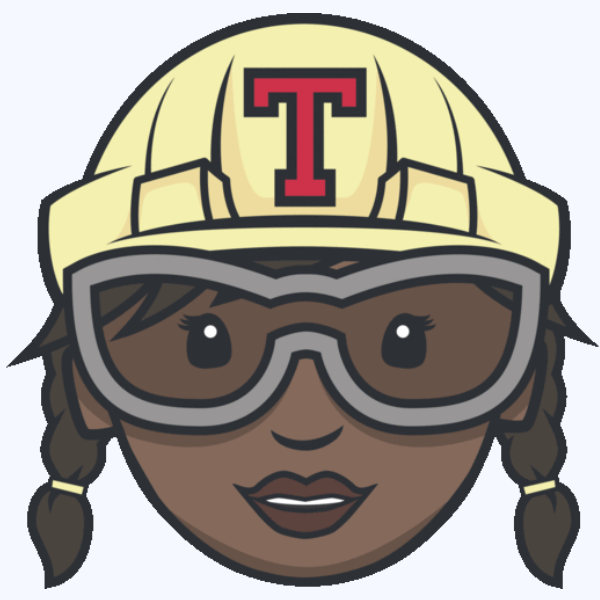
square/connect-api-specification/

```yaml
install:
- ". ./travis-ci/install-swagger-codegen.sh"
- openssl aes-256-cbc -K $encrypted_b0a304ce21a6_key -iv
$encrypted_b0a304ce21a6_iv -in ./travis-ci/deploy_keys.en
out ./travis-ci/deploy_keys.tar -d
- tar xvf ./travis-ci/deploy_keys.tar -C ./travis-ci/
script:
- "/bin/sh ./generate-sdks"
after_success:
- git config --global user.name "Travis CI"
- git config --global user.email "${TEAM_EMAIL}"
- "/bin/sh ./travis-ci/push-csharp-sdk.sh"
- "/bin/sh ./travis-ci/push-php-sdk.sh"
- "/bin/sh ./travis-ci/push-ruby-sdk.sh"
- "/bin/sh ./travis-ci/push-python-sdk.sh"
- "/bin/sh ./travis-ci/push-java-sdk.sh"
```

```
install:
- ". ./travis-ci/install-swagger-codegen.sh"
- openssl aes-256-cbc -K $encrypted_b0a304ce21a6_key -iv
$encrypted_b0a304ce21a6_iv -in ./travis-ci/deploy_keys.enc -
out ./travis-ci/deploy_keys.tar -d
- tar xvf ./travis-ci/deploy_keys.tar -C ./travis-ci/
```
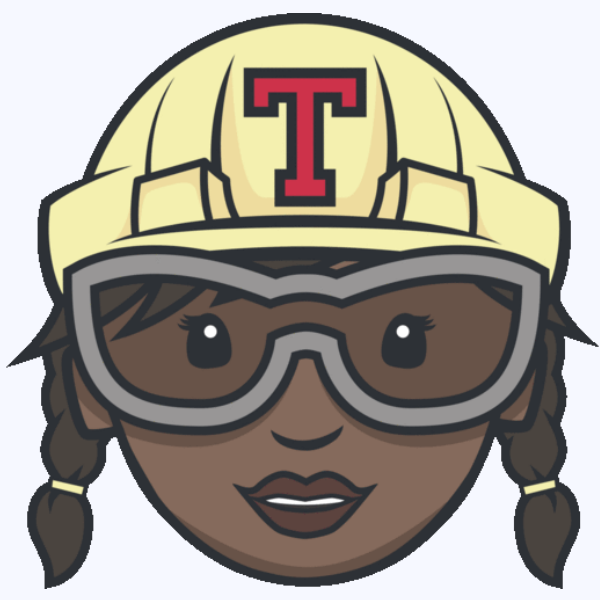
```
install:
- ". ./travis-ci/install-swagger-codegen.sh"
- openssl aes-256-cbc -K $encrypted_b0a304ce21a6_key -iv
$encrypted_b0a304ce21a6_iv -in ./travis-ci/deploy_keys.enc -
out ./travis-ci/deploy_keys.tar -d
- tar xvf ./travis-ci/deploy_keys.tar -C ./travis-ci/
```
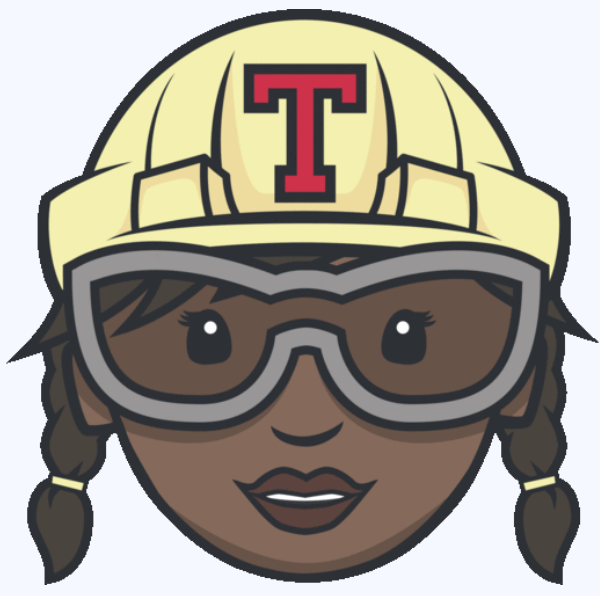
square/connect-api-specification/

```
script:
- "/bin/sh ./generate-sdks"
```
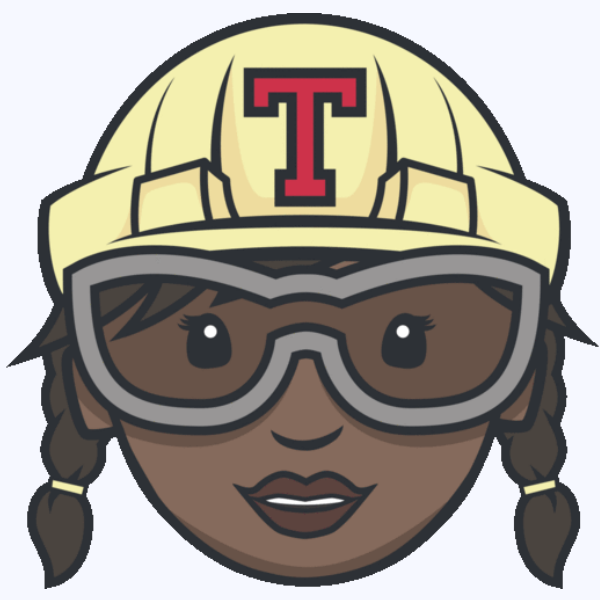
square/connect-api-specification/

```
for lang in $languages

do

    $SWAGGER_CMD generate \

        --input-spec "./api.json" \

        --lang "${lang}" \

        --config "./swagger-config/config-${lang}.json" \

        --template-dir "./swagger-templates/${lang}" \

        --output "./swagger-out/${lang}"

done
```
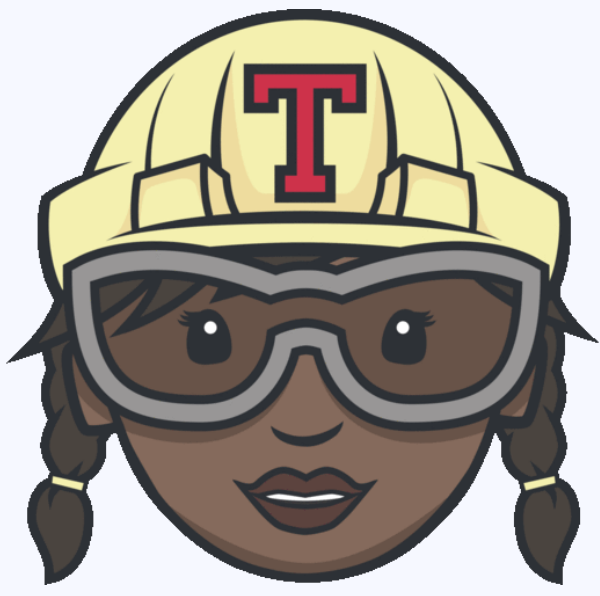
square/connect-api-specification/

```yaml
after_success:
- git config --global user.name "Travis CI"
- git config --global user.email "${TEAM_EMAIL}"
- "/bin/sh ./travis-ci/push-csharp-sdk.sh"
- "/bin/sh ./travis-ci/push-php-sdk.sh"
- "/bin/sh ./travis-ci/push-ruby-sdk.sh"
- "/bin/sh ./travis-ci/push-python-sdk.sh"
- "/bin/sh ./travis-ci/push-java-sdk.sh"
```

Review requested

Show all reviewers

Review has been requested on this pull request. It is not required to merge. Learn more.

All checks have passed

Hide all checks

1 successful check

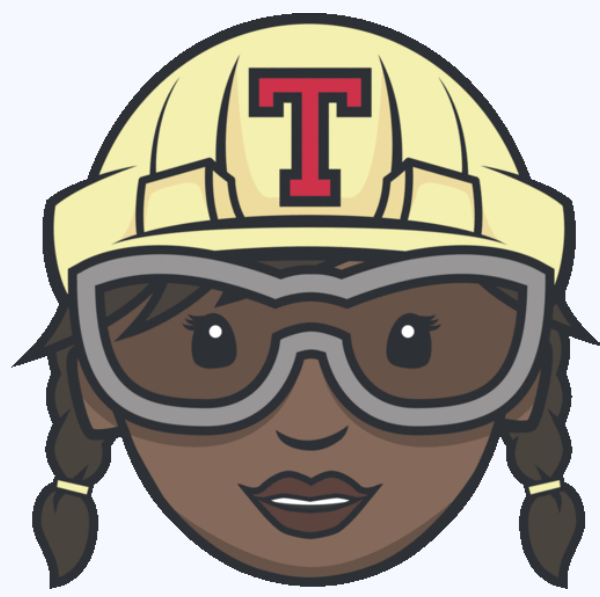✓ 👷 **continuous-integration/travis-ci/push** — The Travis CI build passed

Details

This branch has no conflicts with the base branch

Merging can be performed automatically.

Squash and merge ▾

You can also open this in GitHub Desktop or view command line instructions.

square/connect-api-specification/

```
after_success:
- git config --global user.name "Travis CI"
- git config --global user.email "${TEAM_EMAIL}"
- "/bin/sh ./travis/push-rust-sdk.sh"
- "/bin/sh ./travis/push-sdk.sh"
- "/bin/sh ./travis/push-sdk.sh"
- "/bin/sh ./travis/push-python-sdk.sh"
- "/bin/sh ./travis/push-java-sdk.sh"
```

square/connect-ruby-sdk

square/connect-csharp-sdk

square/connect-java-sdk
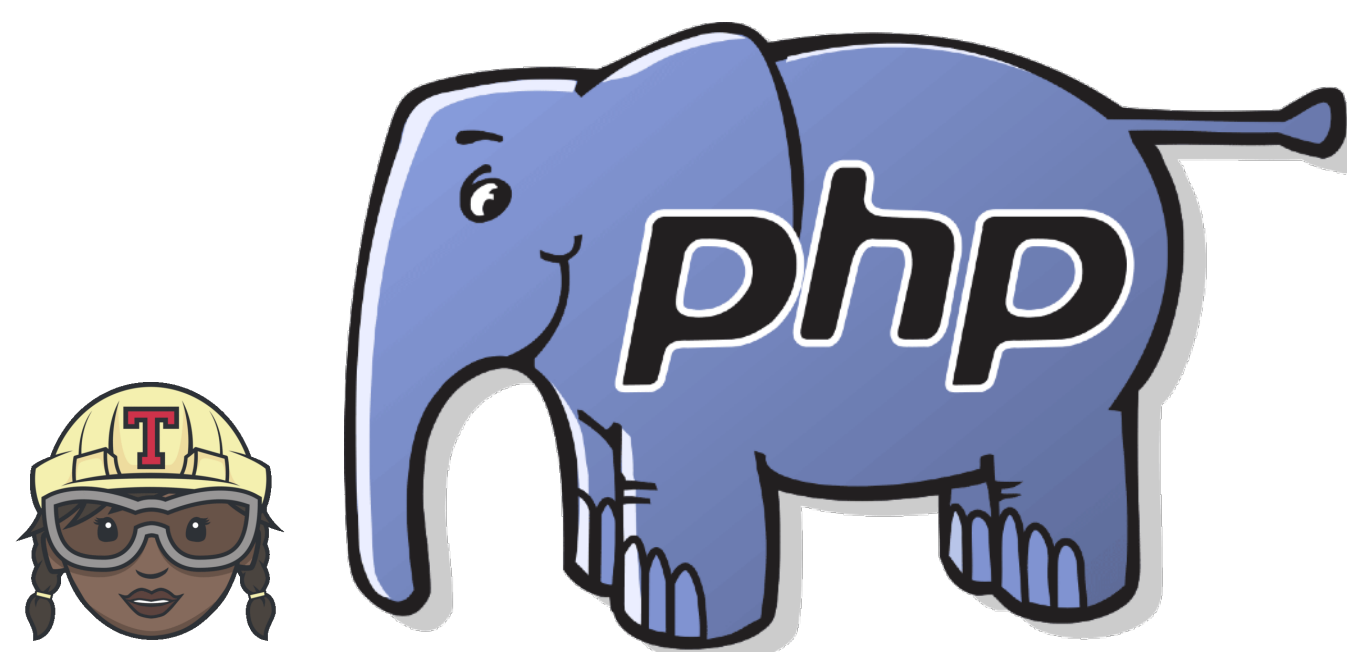
square/connect-php-sdk

square/connect-python-sdk

SDKs

THE HOPEFUL
THE BESPOKE
and
THE GENERATED

Join Square's Developer Relations team!

@TristanSokol

tristans@squareup.com

tristansokol.com