

zapier.georgelambert.org · Markdown indexes  
VERAE TIME × ZAPIER

## app

site/docs/modules/zapier/app.md

## zapier/app

**Package:** zapier

**Source:** packages/zapier/src/app.ts

**Lines:** 278

## What this module is

---

Implementation module in `zapier`. The tables below are extracted from the source (signatures + JSDoc).

## Exports

---

`StoredItem`, `DEFAULT_CUSTOMERS`, `AppDeps`, `buildApp`

## Types / interfaces / classes

---

| Kind      | Name                    |
|-----------|-------------------------|
| interface | <code>StoredItem</code> |
| interface | <code>AppDeps</code>    |

## Functions

| Name     | Parameters                                                                  | Param types (JSDoc) | Returns | Calls (same file / helpers) |
|----------|-----------------------------------------------------------------------------|---------------------|---------|-----------------------------|
| buildApp | deps: AppDeps<br>= {}                                                       | —                   | unknown | see Call graph              |
| onUsage  | e:<br>{ customerId:<br>string;<br>endpointId:<br>string; cents:<br>number } | —                   | unknown | see Call graph              |

## What it imports / requires

- path
- crypto
- express
- express-openapi-validator
- swagger-ui-express
- yamljs
- ./auth
- ./meter
- ./billing/credit
- ./pricing
- ./usage
- ./admin
- ./admin-users
- ./accounts
- ./invoicing
- ./paths
- ./portal
- ./upstream
- ./credits
- ./statement
- ./billing-nats

## Call graph (identifiers invoked)

---

`join`, `next`, `parse`, `status`, `json`, `buildApp`, `seeded`, `seedAdminUsersFromEnv`, `rateCard`, `getRateCard`, `tiers`, `getTiers`, `list`, `find`, `natsPublish`, `toISOString`, `express`, `use`, `load`, `setup`, `adminLoginRouter`, `adminAuth`, `adminRouter`, `static`, `async`, `import`, `toDataURL`, `portalRouter`, `get`, `apiKeyAuth`, `middleware`, `meter`, `post`, `toUpperCase`, `proxyVerae`, `toLowerCase`, `createHash`, `update`, `digest`, `randomUUID`, `set`, `isFinite`, `map`, `unshift`, `filter`, `setUTCDate`, `setUTCHours`, `summaryFor`, `applyMonthlyCredit`

Each identifier is a call site in this file. Follow the import list to see the defining module; open that module's MD for parameter and return types.

## Return values (how to read this)

---

- HTTP route handlers return Express `res.json(...)` bodies (see route docs).
- Zapier `perform` functions return a **single object** (creates) or an **array** (triggers/searches).
- Pricing functions return integer **cents** on `Quote.totalCents`.