

PLANS AND PLUS-ONLY

Plan	Online card	3rd-party gw
Basic	2.1% + 0.30	2%
Grow	1.8% + 0.30	1%
Advanced	1.6% + 0.30	0.6%
Plus	1.3% + 0.30	0.2%

EUR view of shopify.com/pricing: Basic 24, Grow 69, Advanced 289 per month billed yearly; Plus from 2,100. Also Starter, Agentic, Pause and build. Locations 10/10/200.

Plus-only: checkout UI extensions on Information, Shipping, Payment steps; custom apps with Functions; no variant throttle; full checkout customization; unlimited B2B catalogs (others 3); Combined Listings.

Restore rate per second: Standard 100, Advanced 200, Plus 1000, Enterprise 2000. **Billing:** Shopify App Pricing is the default for new public apps; Manual Pricing (legacy Billing API) for one-time charges. Share: 100% of first USD 1M, then 85%. Dev stores: 250 per organization.

CLI 5.0.0 SETUP

```
npm i -g @shopify/cli@latest
brew tap shopify/shopify
brew install shopify-cli
```

Needs Node >= 22.12, Git >= 2.28 (2.38 for Git operations in 5.0), npm/Yarn 1/pnpm. Topics: app auth config doc hydrogen organization store theme upgrade. 4.0: SemVer, auto-upgrade (shopify config autoupgrade off); 5.0: typed JSON (---json, ---json-schema, ---no-input).

CLI: THEMES

```
# each line starts with: shopify
theme init [name]
theme dev --store <store>
theme check [-a] [-o json]
theme push|pull|list|delete
theme publish|share|duplicate
theme package|preview|profile
theme console|metafields pull
```

dev flags: --live-reload hot-reload|full-page|off, --theme-editor-sync, --reconciliation-strategy keep-local|keep-remote|abort,-o,-x,-n, --allow-live. Cl: SHOPIFY_CLI_THEME_TOKEN, SHOPIFY_FLAG_STORE, SHOPIFY_FLAG_FORCE=1 (Theme Access app password).

THEME FOLDERS

assets/ blocks/ config/ layout/ locales/ sections/ snippets/ templates/ templates/customers templates/metaobject

Required: layout/theme.liquid. config/: settings_schema.json, settings_data.json, markets.json. locales/: en.default.json + en.default.schema.json. sections/ also holds section groups (header-group.json). Max 300 theme blocks per theme. JSON templates (Online Store 2.0) compose sections. Theme Store: Skeleton base only, Lighthouse >= 60. Files: Skeleton 39, Dawn 155 (no blocks/), Horizon 357 (95 blocks). Theme Check default fail level error.

WEBHOOKS AND EVENTS

HTTPS; HMAC-SHA256 of the raw body in X-Shopify-Hmac-Sha256; also X-Shopify-Topic, -Shop-Domain, -Webhook-Id, -Event-Id, -Api-Version. Answer 2xx within 5 s (1 s to connect); 8 retries over 4 h; not guaranteed, duplicates happen: dedupe on the webhook id. include_fields, filter; HTTPS, Pub/Sub, EventBridge.

Compliance (mandatory, App Store): customers/data_request, customers/redact, shop/redact via compliance_topics; invalid HMAC gives 401; act within 30 days. Topics: orders/create products/update app/uninstalled app/scopes_update.

CLI: APPS AND HYDROGEN

```
# each line starts with: shopify
app init --template reactRouter
app dev|build|deploy|release
app deploy --allow-updates
      (or --allow-deletes / --no-release)
app generate extension --template <id>
app config link|use|pull|validate
app function
build|run|schema|typegen
app webhook trigger
app execute|graphql|bulk execute
app versions list|env pull
app security check
store create dev --plan basic
store list|info|open|delete
doc search|doc fetch --url <url>
hydrogen dev|build|deploy|link
# npx @shopify/hydrogen@latest setup
```

Cl for apps: SHOPIFY_APP_AUTOMATION_TOKEN from the Dev Dashboard. 4.0 removed --force, theme serve, app generate schema.

LIQUID QUICK REFERENCE

Liquid is unversioned. Reference: 33 tags, 155 filters, 142 objects. Output {{ product.title | escape }}, logic {% %}. Strict parsing enforced for all themes since 2026-01-13.

Objects: product collection cart shop customer request settings section block routes localization content_for_header

Tags: assign capture case/when for/else if/unless render echo liquid layout section sections content_for form paginate style stylesheet javascript schema doc comment raw cycle tablerow; new (preview): block, partial. include is deprecated: use render.

Filters: money money_with_currency asset_url image_url image_tag t handleize link_to json escape default date where sort map append truncate size times plus

SECTION AND BLOCK SCHEMA

```
{% schema %}
{
  "name": "Roast story",
  "tag": "section", "limit": 1,
  "max_blocks": 12,
  "settings": [{"type": "text", "id": "h"}],
  "blocks": [{"type": "@theme"}, {"type": "@app"}],
  "presets": [{"name": "Roast"}],
  "enabled_on": [{"templates": ["index"]}]}
{% endschema %}
```

Schema is JSON, once per file, not nested. A preset makes it addable. Max 50 blocks; section-defined blocks and @theme cannot be mixed. Render theme blocks with {% content_for 'blocks' %}; static: {% content_for 'block', type: 'x', id: 'y' %}. Theme blocks: blocks/*.liquid, nestable. Up to 30 app blocks per extension. enabled_on or disabled_on, not both.

STOREFRONT API

POST https://{shop}.myshopify.com /api/2026-10/graphql.json X-Shopify-Storefront-Access-Token: pub Shopify-Storefront-Private-Token: priv Shopify-Storefront-Buyer-IP: <ip>

Tokenless access (complexity 1,000): products, collections, search, pages, cart; tags, metafields, metaobjects, menus need a token. Buyer traffic is not rate limited; checkout creation throttled (200 Throttled); wrong IP header 430. @inContext(country: CA, language: EN) (channelId in 2026-10); cartCreate(input: CartInput!). Customer Account API: 3,000 requests per minute per customer.

Hydrogen 2026-10: framework-agnostic toolkit (eshopify/hydrogen, /react, /vue, /customer-account); Next.js and React Router starters; Oxygen free on paid plans. Legacy Hydrogen (Remix) is 2026-04 and earlier.

SHOPIFY.APP.TOML SKELETON

```
client_id = "<your-client-id>"
name = "pocket-coffee"
application_url = "https://example.com"
embedded = true
[access_scopes]
scopes =
  "read_products,write_products"
optional_scopes = []
[auth]
redirect_urls =
  ["https://example.com/cb"]
[webhooks]
api_version = "2026-10"
[[webhooks.subscriptions]]
topics = ["app/uninstalled"]
uri = "webhooks/app/uninstalled"
[[webhooks.subscriptions]]
compliance_topics =
  ["customers/data_request",
   "customers/redact", "shop/redact"]
uri = "webhooks/compliance"
[app_proxy] # url, subpath, prefix

Also [events] +
[[events.subscription]] (Next Gen
Events, GA 2026-10): handle, topic,
actions, triggers, uri, query, query_filter.
Per-config files shopify.app.
<name>.toml. Shopify managed installation
installs the scopes.
```

AUTHENTICATION

Grant	Use
Token exchange	embedded apps: ID token (was session token) in, access token out, no redirect
Auth code	non-embedded apps
Client credentials	own-organization stores, 24 h token
grant_type=urn:ietf:params:oauth:grant-type:token-exchange requested_token_type=urn:shopify:params:oauth:token-type:offline-access-token expiring=1	

Lifetimes: expiring offline token 1 h, refresh token 90 days (rotates on each refresh); non-expiring offline until uninstll; online 24 h. Expiring offline tokens required for new public apps since 2026-04-01, for all public apps from **2027-01-01**. Header X-Shopify-Access-Token. Invalid ID token: 400. ACCESS_DENIED in errors[].extensions.code.

ADMIN GRAPHQL REQUEST AND LIMITS

POST https://{shop}.myshopify.com /admin/api/2026-10/graphql.json X-Shopify-Access-Token: \${SHOPIFY_ACCESS_TOKEN} Content-Type: application/json {"query":"{ shop { name } }"}

Leaky bucket per app and store. Costs: scalar/enumer 0, object 1, connection by first/last, mutation 10; max query cost 1,000. extensions.cost: requestedQueryCost, actualQueryCost, throttleStatus{maximumAvailable, currentlyAvailable, restoreRate}; Shopify-GraphQL-Cost-Debug: 1 for detail. Bucket sizes undocumented. Input arrays max 250; paging max 25,000 objects. From 500,000 variants, 10,000 new per day (non-Plus). Served version in X-Shopify-API-Version; old versions fall forward. REST Admin is legacy.

Bulk: bulkOperationRunQuery, bulkOperationRunMutation, bulkOperation(id:), bulk_operations/finish webhook. Up to 5 concurrent; query max 10 days, mutation 24 h, JSO NL input 100 MB, result URL expires in 7 days; max 5 connections, 2 nested levels.

APPS UI AND AI TOOLING

Polaris 2.0 web components (s-* elements) from the CDN polaris-2.js; @shopify/polaris-types 2.0.0; App Bridge 4.x; template @shopify/shopify-app-react-router 4.0.0, React Router 7, Prisma sessions. Embedded apps authenticate with ID tokens.

AI: shopify doc search/doc fetch; Dev MCP npx -y @shopify/dev-mcp@latest; AI Toolkit npx skills add Shopify/shopify-ai-toolkit.

FUNCTIONS: TARGETS AND LIMITS

Discount	cart.lines.discounts.generate.run, cart.delivery-options.discounts.generate.run
Cart Transform	cart.transform.run
Delivery	cart.delivery-options.transform.run
Payment	cart.payment-methods.transform.run
Validation	cart.validations.generate.run
Fulfillment	cart.fulfillment-constraints.generate.run
Order routing	cart.fulfillment-groups.location-rankings.generate.run

25 active per store for most APIs. Wasm binary **256 kB**, memory 10,000 kB, stack 512 kB, logs 1 kB. Per run (carts up to 200 lines): **11 million instructions**, input 128 kB, output 20 kB. Input query max 3000 bytes, cost **30**. No randomness or clock; no network except fetch target (Enterprise). Rust: target wasm32-unknown-unknown, crate shopify_function 2.3.0. JS: @shopify/shopify_function 2.0.1 (Javy). Product, Order and Shipping Discount APIs deprecated since 2025-04: use the unified Discount API. Config: [[extensions]] type = "function", [[extensions.targeting]] target, input_query, export.

CHECKOUT EXTENSION TARGETS

Preact + Polaris web components; bundle max **64 KB**. app generate extension --template checkout_ui.

purchase.checkout.block.render, .header, .contact, .delivery-address, .shipping-option-list, .payment-method-list, .actions, .cart-line-item, .cart-line-list, .reductions, .pickup-location-list, .footer (render-before|after); purchase.address-autocomplete.suggest. purchase.thank-you.block.render, .announcement, .header, .customer-information, .cart-line-item, .footer. customer-account.order-status.block.render, .announcement, .fulfillment-details, .payment-details, .return-details; pages customer-account.page.render.

Information, Shipping, Payment: Plus only. Non-blocking by default; useBuyerJourneyIntercept deprecated: use validation Functions. Script tags are replaced by app embed blocks (theme app extension) and web pixels.

DEPRECATION TIMELINE

2024-10-01	REST Admin legacy (GraphQL only for new apps 2025-04-01)
2025-08-28	checkout.liquid and scripts end (Plus); non-Plus 2026-08-26
2026-02-26	Legacy customer accounts deprecated; no sunset date yet
2026-04-01	Expiring tokens required for new public apps
2026-06-30	Scripts stop executing (no edits since 04-15)
2026-10-01	scriptTagCreate/Update fail; Events GA
2027-01-01	API 2027-01; expiring tokens for all public apps
2027-03-01	Script tags no longer injected
2027-05-01	Built for Shopify apps: new admin style

API versions: quarterly (YYYY-MM), 12 months support. 2026-01, 04, 07 stable; **2026-10 latest**; 2027-01 release candidate. Liquid, App Bridge, Web Pixels unversioned. Polaris 2.0 stable 2026-10-22; Polaris React deprecated.