

Magento Open Source

1.1.0

User, installation, and reference guide

Local stays free. Operator is optional.

Local needs no account and makes no external request. Operator adds supervised schedules, minimized offsite history, and alerts behind two independent default-off settings. No order, customer, or payment is created.

Version	Platform	Prepared
1.1.0 candidate	Magento Open Source 2.4.7-p10–2.4.9	29 August 2026

shippingcontractguard.com/magento.html
hello@shippingcontractguard.com

1 · BEFORE INSTALLATION

Purpose and safety boundary

Shipping Contract Guard runs approved examples against Magento's public shipping-method result. It creates a temporary guest quote, reads the result, deletes the quote through Magento's quote repository, and stores a bounded local outcome.

What version 1.1.0 does

- Checks unchanged core Flat Rate, Free Shipping, and Table Rate implementations.
- Lets an administrator review and approve the exact SHA-256 digest of a JSON definition.
- Returns pass, fail, or unknown with a bounded reason code.
- Tracks temporary quotes so an interrupted run can be cleaned up independently.
- Provides a permissioned local report, minimized JSON export, retention, and deletion.
- Optionally connects to Operator for signed minimized transfer, supervised schedules, offsite history, and alerts.

What it deliberately does not do

- It does not place an order or create a customer or payment record.
- It does not call an unsupported carrier or inspect that carrier's settings.
- Local does not require an account, use telemetry, or make an external request.
- Operator does not send raw definitions, product identifiers, destinations, coupons, customers, orders, or payments.
- It does not continuously monitor the storefront or test payment and complete checkout.
- It does not decide that a suggested definition is correct; approval stays with the administrator.

Fail-closed behavior

A changed core carrier model, a changed shipping calculation path, an unsupported method, an oversized Table Rate configuration, or incomplete cleanup produces an unknown result. It is never reported as working.

2 · SUPPORTED ENVIRONMENT

Requirements and compatibility

Magento Open Source	PHP combinations tested	Claim
2.4.7-p10	8.2 and 8.3	Supported
2.4.8-p5	8.3 and 8.4	Supported
2.4.9	8.4 and 8.5	Supported
Adobe Commerce	Not tested	Not claimed in 1.1.0

The selected PHP version must also be supported by the selected Magento release. Magento cron must run normally.

Supported shipping runtime

Method	Checkable behavior	Limit
Flat Rate	Presence and store-currency amounts	Unchanged core implementation
Free Shipping	Presence or absence around an approved boundary	Unchanged core implementation
Table Rate	Presence and amounts for approved cart inputs	Maximum 500 configured rows

Staging first

Install and exercise definitions in staging before using them in a live store. Keep the ordinary Magento database, source, and deployment backups for every release.

3 · INSTALLATION

Install the extension

Composer installation

Install the reviewed Marketplace package in the Magento project, then enable the module.

```
composer require shipping-contract-guard/magento-connector
bin/magento module:enable ShippingContractGuard_Connector
bin/magento setup:upgrade
bin/magento cache:clean config
```

Direct source installation

Place the package contents at `app/code/ShippingContractGuard/Connector`, then run the final three Magento commands above. Do not copy tests or release tooling into the live module directory.

Verify installation

```
bin/magento module:status ShippingContractGuard_Connector
bin/magento cron:run --group=default
```

- Confirm the module is enabled.
- Confirm the Magento admin opens without a dependency-injection error.
- Confirm the five Local and Operator cron declarations are present.
- Confirm Local checks, Operator requests, and Operator automation all remain off until explicitly enabled.

No automatic approval

Installation creates the nine extension tables but approves no definition and starts no shipping check. The quote-cleanup job may run while checks are off so an interrupted old quote can still be removed.

4 · DEFAULT-OFF OPERATION

Configure local controls

Open Stores → Configuration → Sales → Shipping Contract Guard.

Setting	Default	Allowed values / meaning
Enable local shipping checks	No	An administrator must enable it explicitly
Temporary quote lifetime	300 seconds	60–900 seconds
Time budget per case	60 seconds	1–60 seconds
Allow Operator requests	No	Explicit service commands only
Allow Operator schedules	No	Requires pairing and active entitlement
Completed-history retention	90 days	7–365 days
Delete data during uninstall	No	Enable only when removal is intended

Enable checks from the command line

```
bin/magento config:set shipping_contract_guard/general/enabled 1
bin/magento cache:clean config
```

Magento permissions separate report viewing, minimized export, and deletion. Grant the smallest permission set each role needs. Definition approval and CLI access should remain limited to trusted administrators who can review store scope and test inputs.

Configuration does not approve truth

Enabling checks only allows an already approved definition to run. It does not approve a draft or change the expected shipping result.

5 · CHECK DEFINITIONS

Draft, inspect, and approve

Generate draft boundaries

```
bin/magento shipping-contract-guard:contract:suggest --store=default
```

The JSON response is marked `draft_only`. Review the suggested method, store, and boundary inputs. Create or edit a schema-v1 JSON definition under normal source control.

Inspect the exact file

```
bin/magento shipping-contract-guard:contract:inspect CHECKS.json
```

Review before approval

- The exact website code and store-view code.
- An existing physical product and invented quantity.
- The destination country, region, and postcode needed for the example.
- An optional existing coupon code and the expected shipping method state.
- Store-currency amount, tax-exclusive amount, or tax-inclusive amount ranges where required.

Approve the reviewed digest

```
bin/magento shipping-contract-guard:contract:approve CHECKS.json \  
--confirm-hash=FULL_SHA256
```

Digest binding

Changing a definition changes its canonical digest. Approve the new digest as a new revision after review; never edit the stored database row to bypass approval.

6 · EXECUTION

Run checks and read results

Run every approved case

```
bin/magento shipping-contract-guard:contract:run CONTRACT_ID
```

Run one exact case

```
bin/magento shipping-contract-guard:contract:run CONTRACT_ID --case-id=CASE_ID
```

Outcome	Meaning	Next action
pass	The supported public result matched the approved expectation and cleanup was confirmed.	Keep the evidence; rerun after a relevant change.
fail	The supported result completed but the method state or amount differed.	Review the approved expectation and Magento shipping settings.
unknown	The check could not safely establish pass or fail.	Resolve the bounded reason and rerun; never count unknown as working.

Common bounded reasons

- `connector_disabled` — enable checks only after the environment is ready.
- `unsupported_expected_method` or `unsupported_method_observed` — use a supported unchanged core method or test manually.
- `core_carrier_model_modified` or a plugin/preference reason — review the changed shipping runtime; the quote was not created.
- `table_rate_limit_exceeded` — narrow or review the Table Rate configuration; no partial hash is accepted.
- `case_time_budget_exceeded` — inspect local performance and the approved case; cleanup must still be confirmed.

One run, exact provenance

Every command records the exact definition revision and digest, website and store scope, selected case IDs, expected count, extension version, start time, completion time, and linked local results.

7 · LOCAL RECORDS

Report, export, and retention

Open Sales → Shipping Contract Guard. The page shows whether checks are enabled, retention settings, counts, and recent outcomes. Export is a canonical minimized JSON report.

Included	Excluded
Extension version; configuration state; local counts; run ID; definition ID and revision; state; expected/result counts; timestamps	Raw definition JSON; product identifier; destination; coupon; observed-method body; customer; order; payment; name; street; telephone; email

Retention behavior

- Completed history older than the configured 7–365-day window is eligible for deletion.
- At most 500 recent completed runs are retained after cleanup converges.
- Abandoned running rows are marked interrupted under the same local operation lock.
- Each cleanup transaction selects no more than 5,000 rows.

```
bin/magento shipping-contract-guard:data:retain
```

After an unusually large backlog, repeat the command until the response says `retention_limit_reached: false`. Ordinary daily work converges automatically.

Local remains local

Local commands, reports, export, retention, and deletion make no external request. The extension contains an Operator connector, but it cannot contact the pinned service origin until an administrator enables Operator requests and runs an explicit service command.

8 · SUPERVISION

Connect optional Operator

Operator is the optional paid offering. It adds signed minimized result transfer, supervised schedules, offsite history, and alerts. Local remains available without Operator. A compatible service release, current subscription terms, and a verified billing event are required before Operator work becomes active.

Enable explicit Operator requests

```
bin/magento config:set shipping_contract_guard/service/transfer_enabled 1
bin/magento cache:clean config
bin/magento shipping-contract-guard:service:pair
bin/magento shipping-contract-guard:service:policy
bin/magento shipping-contract-guard:service:status
```

Enter the one-time pairing code only in the hidden prompt, or place it in a regular owner-readable 0400/0600 file and pass its path with `--pairing-code-file`. Never put the code in a command argument, log, ticket, or shell history.

Enable schedules only after activation

```
bin/magento config:set shipping_contract_guard/service/automation_enabled 1
bin/magento cache:clean config
bin/magento shipping-contract-guard:schedule:run-due
```

- Pairing creates a signed site connection but does not grant entitlement.
- Only a fresh signed active policy derived from verified billing permits transfer or scheduled work.
- The queue holds at most 50 minimized payloads, retries at most eight times, and expires items within seven days.
- Every request is a signed POST to the pinned HTTPS origin `api.shippingcontractguard.com` and an allowlisted path.
- Unpairing revokes the service identity and preserves Local definitions and results.

Minimized Operator data

Operator receives result and provenance references, bounded outcome counts, reason codes, configuration fingerprints, timestamps, and scheduling provenance. It does not receive raw definitions, product IDs, destinations, coupons, customer data, orders, payments, carrier credentials, or private signing keys.

9 · RECOVERY

Temporary quote cleanup

A check may persist one temporary guest quote. Quote creation and its recovery lease commit together. Normal execution deletes through Magento's quote repository and removes the lease only after the quote is absent.

Automatic cleanup

- Cron job: `shipping_contract_guard_cleanup_quotes`.
- Schedule: every five minutes.
- It examines expired leases, retries repository deletion, and stores only a bounded failure code.
- It runs independently of the default-off check setting.

Manual recovery

```
bin/magento shipping-contract-guard:quote:cleanup
```

A successful response reports examined, cleaned, and failed counts. Do not delete local extension data or uninstall with data removal while a temporary quote remains. Investigate a repeated `repository_delete_failed` result using Magento's local logs and database health.

Outcome depends on cleanup

Pass or fail is allowed only after the temporary quote is confirmed absent. An incomplete or failed cleanup produces unknown and leaves a durable recovery record.

10 · DATA LIFECYCLE

Delete, disable, uninstall, or roll back

Disable

Disabling the module preserves definitions, results, recovery records, and settings.

Delete local extension data

- Use a role with the separate delete permission.
- Unpair Operator and settle any pending service transition.
- Run temporary quote cleanup first and confirm no lease remains.
- Type the exact phrase shown on the admin page: DELETE LOCAL SHIPPING CONTRACT GUARD DATA.
- Deletion fails while a check, approval, or another deletion owns the local operation lock.
- Extension rows and settings are removed; the nine module tables remain installed and reusable.

Uninstall

Uninstall preserves data by default. Enable Delete local data when uninstall requests data removal only when that removal is intended. The uninstall flow fails closed if a temporary quote still needs cleanup.

Rollback

Disable checks, finish cleanup, and restore both the pre-change database backup and the matching previous module source. Recompile dependency injection and flush caches. Do not run old source against a database migrated by a newer source version.

Keep exact evidence

Record the source version, package SHA-256, database restore point, change time, cleanup result, and post-change validation for each installation or rollback.

11 · SUPPORT

Troubleshooting checklist

Symptom	Check first	Safe next step
Command says checks are disabled	Default-off configuration	Enable only after definitions and environment are reviewed
Unknown before quote creation	Bounded runtime reason	Review changed model, preference, plugin, unsupported method, or Table Rate size
Unknown after execution	Time budget and cleanup status	Run manual cleanup; inspect local performance and Magento logs
Delete is refused	Pending quote or local operation lock	Wait for the operation and finish quote cleanup
Report cannot be opened or exported	Magento role resources	Grant only the required view or export permission
Cron recovery does not run	Magento cron and schedule table	Restore ordinary Magento cron, then run cleanup manually
Operator remains inactive	Subscription webhook and signed policy	Do not re-pair to bypass billing; verify the account and compatible service release
Pairing retry is uncertain	Saved signing identity	Keep the saved key and contact support; do not delete it after an ambiguous response

What to send to support

- Magento Open Source version, PHP version, and Shipping Contract Guard version.
- The exact command name and bounded reason code.
- Whether temporary quote cleanup reports zero remaining failures.
- The minimized local report export, only if your policy permits it.
- Clear reproduction steps using invented data.

Do not send sensitive data

Do not send a database export, customer address, order, payment detail, password, secret, carrier credential, raw definition, real customer cart, or production access credential.

Email: hello@shippingcontractguard.com

Support page: shippingcontractguard.com/support.html#magento

12 · REFERENCE

Privacy, license, and quick reference

Local data boundary

Local processes approved definition input and shipping results inside Magento. It requires no account, contains no telemetry, makes no external request, and creates no customer, order, or payment. When Operator is explicitly enabled, only signed minimized evidence is sent to the pinned service origin. The local report and Operator payload exclude raw definition and observed-method bodies.

License summary

You may install, run, and modify the extension for stores you own or operate, and make reasonable backups. You may not sell, sublicense, publish, or distribute it or a modified copy as a standalone product. The complete license is in LICENSE.md and at shippingcontractguard.com/terms.html#magento-license.

Task	Command or location
Suggest draft checks	shipping-contract-guard:contract:suggest --store=STORE
Inspect definition	shipping-contract-guard:contract:inspect FILE
Approve digest	shipping-contract-guard:contract:approve FILE --confirm-hash=SHA256
Run definition	shipping-contract-guard:contract:run CONTRACT_ID
Clean temporary quotes	shipping-contract-guard:quote:cleanup
Apply retention	shipping-contract-guard:data:retain
View/report/export/delete	Sales → Shipping Contract Guard
Configure	Stores → Configuration → Sales → Shipping Contract Guard

Final reminder

A passing bounded example does not prove every destination, cart, theme, payment path, or complete checkout works. Keep normal monitoring and test the full customer journey separately.

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