

User Scenarios — Origo Cloud Events Iceland

Publisher: Origo **Version:** 1.0.0.0 **Submission Date:** 2026-07-06 **Test Environment:** Requires an Icelandic BC sandbox with the IS Core localization installed. The extension connects to Icelandic government web services (Skatturinn, Seðlabanki, Skilagrein, island.is). See "Test Credentials" section below.

Test Credentials

This extension connects to multiple Icelandic external services:

Service	Purpose	Test Environment
Seðlabanki Íslands (Central Bank)	Currency rates, interest rates, CPI, economic data	Public API — no credentials needed
island.is	Vehicle registry, customs, kennitala validation	Public API — no credentials needed
Skatturinn (RSK / IRS)	VAT submission, payroll tax, capital income tax	RSK test environment — requires test company kennitala + credentials
Skilagrein	Pension fund / union / collector submissions	Skilagrein test environment — requires test credentials
Síminn magnSMS	SMS gateway	Test account credentials needed
Byggðastofnun	Postal code registry	Public data — no credentials needed

For Skatturinn/Skilagrein/SMS: Provide test credentials in the submission. These services offer dedicated test environments that accept dummy data without real tax consequences.

Scenario 1: Extension Installation and Setup

Area: Installation & Activation

Setup

1. Start with a clean BC sandbox with IS Core localization installed (Cronus IS company)
2. Install the "Origo Cloud Events Core" extension (dependency)
3. Install the "Origo Cloud Events Iceland" extension

Steps

1. Search for "Cloud Events Setup" in the BC search bar
2. Verify the setup page opens without error
3. Verify the Iceland-specific settings appear on the setup page (RSK credentials section)
4. Search for "Help.Iceland.Get" — verify it appears in the message type list

Expected Results

- The extension installs without error
 - The Cloud Events Setup page shows Iceland-specific configuration fields
 - The Help.Iceland.Get message type is registered and callable
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Scenario 2: Help Overview

Area: Core Functionality

Setup

1. Complete Scenario 1 (extension installed)

Steps

1. POST a Cloud Event message via the Queue API:
 - `type : Help.Iceland.Get`
 - `sendContent : {}`
2. Process the task via the Task API
3. Retrieve the response from the Data API

Expected Results

- The response contains a Markdown-formatted help document
 - The document lists all Iceland message types grouped by domain (Seðlabanki, Skatturinn, island.is, SMS, etc.)
 - Each message type includes a description and usage example
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Scenario 3: Icelandic Holidays

Area: Core Functionality — Public Data

Setup

1. Complete Scenario 1

Steps

1. POST a Cloud Event message:
 - `type : Iceland.Holidays.Get`
 - `sendContent : {"year": 2026}`
2. Process and retrieve the response
3. POST another message:
 - `type : Iceland.Holidays.IsHoliday`
 - `sendContent : {"date": "2026-12-25"}`
4. Process and retrieve the response

Expected Results

- Step 2: Response contains an array of Icelandic public holidays for 2026 (including names in Icelandic)
 - Step 4: Response confirms December 25 is a holiday (`"isHoliday": true`)
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Scenario 4: Postal Code Registry

Area: Core Functionality — Public Data

Setup

1. Complete Scenario 1

Steps

1. POST a Cloud Event message:
 - `type : Iceland.PostCode.Get`
 - `sendContent : {}`
2. Process and retrieve the response

Expected Results

- Response contains the full Icelandic postal code registry from Byggðastofnun
 - Each entry includes postal code, place name, and municipality
 - Well-known codes are present (e.g., 101 = Reykjavík)
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Scenario 5: ISO Currency List

Area: Core Functionality — Public Data

Setup

1. Complete Scenario 1

Steps

1. POST a Cloud Event message:
 - `type : Iceland.Currency.Get`
 - `sendContent : {}`
2. Process and retrieve the response

Expected Results

- Response contains the ISO 4217 currency list as JSON
 - Includes ISK (Icelandic Króna), EUR, USD, and other standard currencies
 - Each entry has code, name, and numeric code
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Scenario 6: Central Bank Currency Rates

Area: Core Functionality — Seðlabanki

Setup

1. Complete Scenario 1

Steps

1. POST a Cloud Event message:
 - `type : Iceland.CurrencyRates.Get`
 - `sendContent : {"date": "2026-07-01"}`
2. Process and retrieve the response
3. POST another message:
 - `type : Iceland.CurrencyRates.Get`
 - `sendContent : {"dateFrom": "2026-06-01", "dateTo": "2026-06-30"}`
4. Process and retrieve the response

Expected Results

- Step 2: Response contains exchange rates for the specified date (EUR, USD, GBP, etc. against ISK)
 - Step 4: Response contains daily rates for the full month of June 2026
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Scenario 7: Currency Sync to BC

Area: Core Functionality — Seðlabanki

Setup

1. Complete Scenario 1
2. Verify the "Currencies" and "Currency Exchange Rates" tables exist in BC

Steps

1. POST a Cloud Event message:
 - `type : Iceland.Currency.Sync`
 - `sendContent : {"date": "2026-07-01"}`
2. Process and retrieve the response
3. Navigate to "Currency Exchange Rates" in BC
4. Verify rates were updated for the specified date

Expected Results

- Step 2: Response confirms sync completed with count of currencies updated
 - Step 4: BC Currency Exchange Rate table contains fresh rates from Seðlabanki for the sync date
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Scenario 8: Central Bank Interest Rates and CPI

Area: Core Functionality — Seðlabanki

Setup

1. Complete Scenario 1

Steps

1. POST a Cloud Event message:
 - `type : Iceland.InterestRates.Get`
 - `sendContent : {"latest": true}`
2. Process and retrieve the response
3. POST a Cloud Event message:
 - `type : Iceland.ConsumerPriceIndex.Get`
 - `sendContent : {"latest": true}`
4. Process and retrieve the response
5. POST a Cloud Event message:
 - `type : Iceland.PenaltyInterest.Get`
 - `sendContent : {"latest": true}`
6. Process and retrieve the response

Expected Results

- Step 2: Response contains current policy rate and facility rates
- Step 4: Response contains current CPI index level and 12-month inflation rate

- Step 6: Response contains current penalty interest rate (dráttarvextir)
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Scenario 9: Kennitala Validation (island.is)

Area: Core Functionality — island.is

Setup

1. Complete Scenario 1

Steps

1. POST a Cloud Event message:
 - type : Iceland.Kennitala.Validate
 - sendContent : {"kennitala": "4502692829"}
2. Process and retrieve the response
3. POST with an invalid kennitala:
 - type : Iceland.Kennitala.Validate
 - sendContent : {"kennitala": "1234567890"}
4. Process and retrieve the response

Expected Results

- Step 2: Response confirms valid kennitala, returns type (individual/company) and derived birth date
 - Step 4: Response indicates the kennitala is invalid with clear explanation
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Scenario 10: Vehicle Registry Lookup (island.is)

Area: Core Functionality — island.is

Setup

1. Complete Scenario 1

Steps

1. POST a Cloud Event message:
 - type : Iceland.Vehicle.Get
 - sendContent : {"plateNumber": "AA001"}
2. Process and retrieve the response

Expected Results

- Response contains vehicle information (make, model, year, registration details)
 - If the plate is not found, a clear "not found" response is returned (not an error)
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Scenario 11: VAT Return Validation (Skatturinn)

Area: Core Functionality — Tax

Setup

1. Complete Scenario 1
2. Configure RSK test credentials in Cloud Events Setup (kennitala + password for test environment)

Steps

1. POST a Cloud Event message:
 - `type : Iceland.VAT.GetNumbers`
 - `sendContent : {}`
2. Process and retrieve — note the VAT number returned
3. POST a Cloud Event message:
 - `type : Iceland.VAT.GetPeriodEntries`
 - `sendContent : {"period": "2026-01"}`
4. Process and retrieve the response
5. POST a Cloud Event message:
 - `type : Iceland.VAT.Validate`
 - `sendContent : (a valid VAT return structure for the test period)`
6. Process and retrieve the response

Expected Results

- Step 2: Response contains the company's VAT registration number(s)
 - Step 4: Response contains period details and prerequisites
 - Step 6: Response contains validation result (pass/fail with itemized messages)
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Scenario 12: VAT Return Submission and Receipt (Skatturinn)

Area: Core Functionality — Tax

Setup

1. Complete Scenario 11 (validation passed)

Steps

1. POST a Cloud Event message:
 - `type : Iceland.VAT.Submit`
 - `sendContent : (the validated VAT return from Scenario 11)`
2. Process and retrieve the response
3. POST a Cloud Event message:
 - `type : Iceland.VAT.Receipt`
 - `sendContent : {"period": "2026-01"}`
4. Process and retrieve the response

Expected Results

- Step 2: Submission succeeds with confirmation number from RSK
- Step 4: Response contains the PDF receipt from the submitted period (base64-encoded)

Cleanup

- Use `Iceland.VAT.DeleteInTest` to remove the test submission (test environment only)
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Scenario 13: Payroll Tax Return (Skatturinn — Staðgreiðsla)

Area: Core Functionality — Tax

Setup

1. Complete Scenario 1
2. Configure RSK test credentials

Steps

1. POST a Cloud Event message:
 - `type : Iceland.Payroll.GetAllPeriods`
 - `sendContent : {}`
2. Process and retrieve — note available periods
3. POST a Cloud Event message:
 - `type : Iceland.Payroll.Validate`
 - `sendContent : (a payroll return for a test period)`
4. Process and retrieve the response

Expected Results

- Step 2: Response lists payroll tax periods with prerequisites and status
 - Step 4: Validation returns pass/fail with itemized feedback
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Scenario 14: Capital Income Tax Information (Skatturinn — FTS)

Area: Core Functionality — Tax

Setup

1. Complete Scenario 1
2. Configure RSK test credentials

Steps

1. POST a Cloud Event message:
 - `type : Iceland.CapitalTax.GetPeriods`
 - `sendContent : {}`
2. Process and retrieve the response
3. POST a Cloud Event message:
 - `type : Iceland.CapitalTax.GetTypes`
 - `sendContent : {}`
4. Process and retrieve the response

Expected Results

- Step 2: Response lists valid capital income tax periods
 - Step 4: Response lists valid income types for capital tax reporting
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Scenario 15: SMS Sending (Síminn)

Area: Core Functionality — Communication

Setup

1. Complete Scenario 1

2. Configure SMS gateway credentials in Cloud Events Setup (Síminn magnSMS test account)

Steps

1. POST a Cloud Event message:
 - `type : Iceland.SMS.Send`
 - `sendContent : {"to": "+3548001234", "message": "Test message from Cloud Events"}`
2. Process and retrieve the response — note the message ID
3. POST a Cloud Event message:
 - `type : Iceland.SMS.Status`
 - `sendContent : {"messageId": "<id-from-step-2>"}`
4. Process and retrieve the response

Expected Results

- Step 2: Response confirms the SMS was queued/sent with a message ID
- Step 4: Response contains delivery status for the message

Notes

- Use a test number that does not deliver actual SMS (Síminn provides these for testing)
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Scenario 16: Pension/Union Information (Skilagrein)

Area: Core Functionality — Payroll Services

Setup

1. Complete Scenario 1
2. Configure Skilagrein test credentials

Steps

1. POST a Cloud Event message:
 - `type : Iceland.PensionFund.Get`
 - `sendContent : {}`
2. Process and retrieve the response
3. POST a Cloud Event message:
 - `type : Iceland.Union.Get`
 - `sendContent : {}`
4. Process and retrieve the response
5. POST a Cloud Event message:
 - `type : Iceland.Collector.Get`
 - `sendContent : {}`
6. Process and retrieve the response

Expected Results

- Step 2: Response contains list of Icelandic pension funds with codes and names
 - Step 4: Response contains list of Icelandic unions with codes and names
 - Step 6: Response contains list of collectors (innheimtumenn) with codes
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Scenario 17: Error Handling — Invalid RSK Credentials

Area: Error Handling

Setup

1. Complete Scenario 1
2. Configure INVALID RSK credentials (wrong password)

Steps

1. POST a Cloud Event message:
 - `type : Iceland.VAT.GetNumbers`
 - `sendContent : {}`
2. Process and retrieve the response

Expected Results

- The task completes with an error status
 - The response contains a structured error message indicating authentication failed
 - No raw SOAP fault or stack trace is exposed to the caller
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Scenario 18: Error Handling — Service Unavailable

Area: Error Handling

Setup

1. Complete Scenario 1
2. Configure an unreachable URL or invalid endpoint for RSK (if configurable)

Steps

1. POST a Cloud Event message:
 - `type : Iceland.VAT.GetNumbers`
 - `sendContent : {}`
2. Process and retrieve the response

Expected Results

- The task completes with an error status
 - The error message clearly indicates the external service is unreachable
 - The error is structured JSON, not a raw exception
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Scenario 19: Permission Verification — Minimal Permissions

Area: Permission Verification

Setup

1. Create a test user with "CE Iceland Full" permission set (plus D365 BASIC)
2. Complete Scenario 1 as admin

Steps

1. Sign in as the test user
2. POST a Cloud Event message via the Queue API:
 - `type : Iceland.Holidays.Get`
 - `sendContent : {"year": 2026}`
3. Process and retrieve the response

Expected Results

- The test user can submit and process Iceland-related Cloud Event messages
 - Holiday data is returned successfully
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Scenario 20: Permission Verification — No Permission

Area: Permission Verification

Setup

1. Create a test user with only D365 BASIC (no CE permission sets)

Steps

1. Sign in as the test user
2. Attempt to access a Cloud Event that requires Iceland permissions

Expected Results

- The operation fails with a clear permission error
 - No data is exposed or modified
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Scenario 21: Extension Uninstallation

Area: Uninstallation

Setup

1. Complete Scenario 1

Steps

1. Navigate to "Extension Management" in the BC search bar
2. Find "Origo Cloud Events Iceland" in the list
3. Choose "Uninstall"
4. Confirm the uninstallation
5. Verify the extension is removed
6. Verify "Origo Cloud Events Core" still functions (search for "Cloud Events Setup")

Expected Results

- Uninstallation completes without error
 - The Iceland message types are no longer available
 - The base Cloud Events Core extension continues to work normally
 - Standard BC operations are unaffected
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Cleanup

After all scenarios are complete:

1. Delete any test VAT submissions in the RSK test environment using `Iceland.VAT.DeleteInTest`
2. Remove test credentials from Cloud Events Setup
3. Uninstall the extension (if not already done in Scenario 21)