



QuickBridge — Key Usage Scenario

Microsoft AppSource reviewer guide / User Scenario Documentation

Data Courage | QuickBridge 1.0.1.1 | 24 August 2026

Document language: English

Document purpose

This document provides a complete, repeatable validation path for a Microsoft reviewer who has no prior knowledge of QuickBridge. It covers installation, licensing, API selection, asynchronous build and API verification using standard Business Central demo data.

The Partner Center submission should refer to this document as Key Usage Scenario or User Scenario Documentation. “Basic Usage Information” is suitable as an informal label, but this document is intentionally more detailed than a basic user guide.

Item	Value
Product	QuickBridge by Data Courage
Extension version	1.0.1.1
App ID	a28ca6aa-fe03-4859-aed5-5802b9733af6
Supported platform	Microsoft Dynamics 365 Business Central online, version 27 or later
Runtime	16.0
Primary entry point	Tell Me → QuickBridge Setup
Primary scenario	Create and install a licensed, read-only custom API for selected BC tables and fields

1. Functional overview

QuickBridge lets an administrator select Business Central tables and fields and then creates a separate tenant-specific extension containing read-only API queries. The generated extension is compiled and installed from within Business Central. Visual Studio Code and a local AL compiler are not required for the reviewer workflow.

- Select standard and extension fields for exposure through an API.
- Resolve required extension dependencies for selected custom fields.
- Build and install the generated Custom API extension asynchronously.
- Track deployment status and skipped technical fields.
- Enforce the QuickBridge tenant licence at API runtime.

2. Prerequisites

Prerequisite	Reviewer action
Business Central	Use a Business Central online sandbox with standard demo data. The reviewer must be able to install extensions and administer users.
Permissions	Assign the permission set QuickBridge Permissions to the reviewer. Later assign QB API Access to the API test user.
HTTP requests	On Extension Management, enable Allow HttpClient Requests for QuickBridge.

Prerequisite	Reviewer action
QuickBridge licence	Data Courage must pre-authorize the review tenant. No licence key is entered in Business Central.
OAuth client	Use the reviewer's normal Microsoft Entra/OAuth method for Business Central API calls.
Email	Optional. A configured Business Central email account is required only to send a service request.

Submission owner: ensure the exact Microsoft review tenant is licensed before certification starts and provide any required test account details in Partner Center Notes for certification. Never place production secrets in those notes.

3. Scenario A — Open setup and verify the licence

1. In Business Central, choose Tell Me and open QuickBridge Setup.
2. In General, verify Publisher. For this guide, enter datacourage. Use only letters and digits because the value becomes part of the API route.
3. In QuickBridge License, choose Setup → Check License.
4. Wait for the request to complete.

Expected result	Acceptance criterion
Licence state	License Active is Yes and Active Until / Days Left are populated according to the review entitlement.
Tenant identity	Licensed Tenant and Tenant ID identify the current Business Central tenant.
Refresh job	One daily QuickBridge licence refresh Job Queue Entry exists.
Failure assistance	If the tenant is not licensed, QuickBridge displays a friendly service-request page instead of exposing generated APIs.

4. Scenario B — Select Customer and Item data

5. From QuickBridge Setup, choose Selected Tables & Fields.
6. Add table 18 Customer and table 27 Item. Confirm that fields are populated for each table.
7. Keep a representative set of fields, including No., Name/Description and SystemModifiedAt. Additional supported fields may remain selected.
8. Return to QuickBridge Setup and open Dependencies. Verify that any dependency required by a selected extension field is listed automatically.

The technical field \$systemId is deliberately skipped by the runtime builder. Audit fields such as SystemCreatedAt, SystemCreatedBy, SystemModifiedAt and SystemModifiedBy remain available for incremental integration scenarios.

5. Scenario C — Build and install the Custom API

9. On QuickBridge Setup, choose Build → Build and Install App.

10. Confirm the action. QuickBridge submits an asynchronous extension deployment and returns an operation identifier.
11. Open API Deployment Status and choose Refresh until Status becomes Completed.

Expected result	Acceptance criterion
Deployment	A row for Uploading Extension: 'Custom API for datacourage' by 'datacourage' finishes with Completed.
Installed app	Extension Management contains Custom API for datacourage.
Versioning	The generated extension version advances after a successful build.
Skipped fields	Skipped Fields may list \$systemId. Any other unsupported field is named with its table and field number for diagnosis.

6. Scenario D — Verify API access

Assign the generated permission set QB API Access to the user or application identity used for the API request. Obtain the company ID from the standard Business Central companies API, then issue an authenticated GET request.

Endpoint pattern:

```
https://api.businesscentral.dynamics.com/v2.0/{environment}/api/{publisher}/quickbridge/v1.0/companies({companyId})/{entitySetName}
```

Placeholder	Example / explanation
{environment}	The sandbox environment name
{publisher}	datacourage
{companyId}	The company system ID returned by the standard companies API
{entitySetName}	Sanitized selected table name, for example Customer or Item as shown by API metadata

12. Send a GET request for Customer using the reviewer's OAuth access token.
13. Repeat for Item.
14. Confirm HTTP 200 and a JSON response containing only selected fields.
15. Confirm the generated APIs are read-only; they are intended for extraction and analytics, not data modification.

7. Scenario E — Contact and service request

16. On QuickBridge Setup, choose Contact and Service Request.
17. Enter Contact Full Name and Contact Email on this page. These fields are intentionally read-only on the main setup page.
18. Select a request type and enter a short description.

19. If a Business Central email account is configured, send the request. Otherwise verify that the support contact link is available.

8. Negative and recovery checks

Condition	Expected behaviour
No active licence	Check License explains that the licence is inactive and offers the service-request flow. Generated API access is blocked.
No selected table	Build is rejected with an actionable validation message.
Invalid publisher	Build is rejected until a valid API publisher value is supplied.
Unsupported field	The build omits the field and records its table, name and field number in deployment diagnostics.
Deployment failure	API Deployment Status records Failed and preserves the platform compilation/deployment details.

9. Cleanup

- Uninstall the generated Custom API extension if the review tenant must be returned to its initial state.
- Do not use Create New Custom API Identity while a generated app is installed or an active deployment exists; QuickBridge blocks unsafe identity changes.
- The main QuickBridge extension may be uninstalled using standard Extension Management after testing.

10. Reviewer support

Use the support contact and privacy URLs supplied in the AppSource listing. Include the Business Central environment name, QuickBridge version, deployment operation ID and approximate UTC time when reporting a problem. Do not send OAuth tokens or other credentials.