

SOLUTION BRIEF · ENGINEERING TEAMS

30 minutes from Sandbox to your first NDC API call.

HaloSync is a unified NDC API gateway for travel platforms. Validate it directly from Swagger UI, with airline-provided sandbox test data, before you talk to sales.

01 Why now

The integration cost of NDC has not gone down. Every airline ships its own NDC schema (17.2, 21.3, or carrier-specific variants), authentication patterns differ, and post-booking servicing varies significantly between carriers. Most NDC pilots spend 4–8 weeks on the same blocking problems – credential exchange, request signing, field transformation, exception handling – before producing the first usable booking.

The teams that succeed have either built a per-carrier abstraction layer themselves, at significant cost, or found a vendor that has already done it.

02 Our approach

HaloSync is the abstraction layer. Three components, one unified API surface:

- Server-side gateway you deploy.** `whiteLabel-middleware` is a thin NestJS gateway you run inside your own infrastructure. It handles HMAC-SHA512 signing, PascalCase ↔ camelCase conversion, and agency information injection – keeping HMAC secrets and tenant credentials server-side. Behind it, PolarHub unifies 14+ carrier schemas into one API surface, so your team writes against one schema, not twelve. Per-carrier coverage varies; see the [carrier support matrix](#).
- Airline-provided sandbox content.** Sign up at `albus.sandbox.halo-platform.net/sign-up`, receive credentials (typically issued within 10 minutes), and call live NDC sessions against airline-provided sandbox test data from Air France, KLM, Qatar Airways, and others. Not mocked.
- Self-service evaluation.** No NDA cycle, no sales conversation required to begin. Commercial terms come after technical validation, not before.

03 Three differentiators

DIFF 01

30-minute first call

Sign up, open Swagger, and run a flight-search against airline-provided sandbox data – no sales call to begin.

DIFF 02

Carrier abstraction

14+ NDC carriers behind a single unified API surface; per-carrier coverage published in the support matrix.

DIFF 03

Production proven

Operating inside Tidesquare's Tourvis, Korea's leading OTA platform – full HaloSync suite in live booking traffic.

04 Two use cases

CASE 01

New NDC adoption (APAC OTAs).

A regional OTA evaluates NDC content to access richer fares, ancillaries, and direct-distribution carriers. Using HaloSync, the team compresses what is typically a 6-month integration project into 6 weeks — Sandbox to production, with contract, security review, airline credential issuance, and UAT all included in scope — by skipping per-carrier schema work entirely.

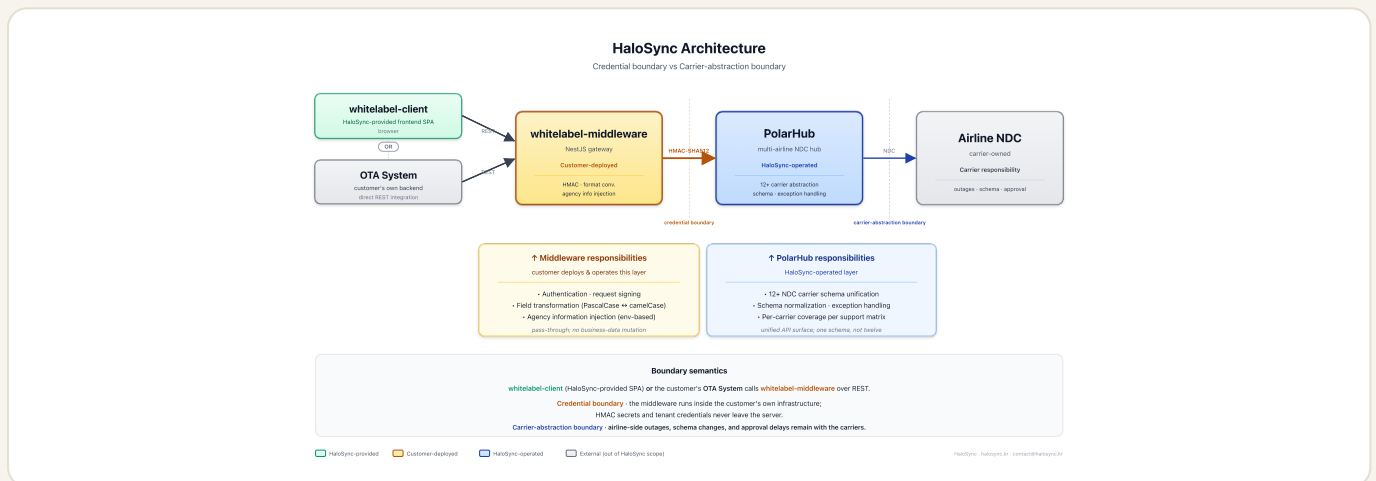
CASE 02

Direct integration with PMS, CRM, or proprietary checkout.

Travel platforms with their own ticketing and post-booking systems integrate HaloSync's normalized response shape, eliminating the per-carrier mapping layer that typically blocks NDC rollout in heterogeneous internal architectures.

05 Architecture

The middleware is the credential boundary — your team deploys and operates it inside your own infrastructure. PolarHub, to its right, is the carrier-abstraction boundary and runs as HaloSync's operational responsibility. Airline-side outages, schema changes, and approval delays remain with the carriers.



06 Proof points

- 2018 — First in Korea to receive NDC certification.
- 2019 — First in Korea to launch commercial NDC operations.
- 14+ direct NDC carrier connections incl. Finnair, Air France & KLM.
- IATA ARM Index for System Providers for Sellers.
- Tourvis (Tidesquare) — Korea's leading OTA, full HaloSync suite in production.
- ISO 27001 certified.

07 Platform modules

- PolarHub** Multi-airline NDC connectivity hub. The integration engine.
- Albus** Tenant management, credential issuance, route control, usage analytics.
- Luna** No-code B2B booking portal for travel sellers without development resources.

08 MCP today vs roadmap

TODAY

REST + Swagger UI

Self-service sandbox, HMAC-signed REST calls, OpenAPI schema. Sign up, authenticate, and call live NDC sessions in under 30 minutes.

ROADMAP

Native MCP server

HaloSync as an MCP tool surface for AI agents — same normalized schema, machine-readable tool definitions, and per-tenant scoping. Targeting 2026.

09 Get started in 3 steps

01

Review the README on GitHub.

Skim the integration guide and credential boundary diagram before you sign up.

5 MIN

02

Sign up at albus.sandbox.halo-platform.net/sign-up

Credentials issued within ~10 minutes.

5 MIN

03

Open Swagger UI and run `flight-search`.

First live NDC response in under 30 minutes from sign-up.

20 MIN

10 How to subscribe

AVAILABLE NOW

Direct contract

Standard onboarding via contact@halocorp.kr. Custom pricing available for enterprise OTAs. *Currently the only subscription path.*

ROADMAP

AWS Marketplace

Planned; not yet available. Existing AWS customers will be able to subscribe through their AWS billing relationship once the listing is published.

11 Try Sandbox · Get on GitHub · Talk to sales

SANDBOX	albus.sandbox.halo-platform.net/sign-up
GITHUB	github.com/HaloSync-Aggregator/whitelabel-middlewre
CARRIER MATRIX	doc.halo-platform.net/carrier-support-matrix-1541959m0
LINKEDIN	linkedin.com/company/halocorpkr
COMPANION BLOG	From Whitepaper to Working Code – A 30-Minute NDC API Evaluation Guide
EMAIL	contact@halocorp.kr