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UAE PROJECTS COMMERCIAL API

Client Onboarding & Integration Guide

A practical, production-ready guide to secure access, efficient project synchronization, related-resource batching, quota planning and reliable go-live operations.

Architecture | Batch synchronization | Security & quotas | Go-live checklist

Prepared by
UAE Projects API Team

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Reference
api.uaeprojects.com

01 / ARCHITECTURE AT A GLANCE

Move project data efficiently and safely

The API separates compact catalogue discovery, extended core detail and high-volume related collections. This keeps existing integrations stable while giving large imports a predictable, permission-safe batch workflow.

100

Core project IDs per request

Extended overview, description, master plan and other detail fields.

25

Related-resource project IDs

A deliberately smaller cap for heavier nested collections.

5

Related collections per batch

Media, floor plans, amenities, payment plans and methods.

Recommended synchronization flow

STEP 01

Discover

Page through the catalogue and store the returned project IDs with a resumable cursor.

STEP 02

Load core detail

Group known IDs by 100 and request the extended project representation.

STEP 03

Add resources

Group IDs by 25 and request only the related collections your product uses.

STEP 04

Stay current

Use webhooks and incremental changes instead of repeating full catalogue scans.

Batch contracts

GET `/v1/projects?ids=101,102,103&view=detail`

Up to 100 unique IDs. Weighted cost: one quota unit per 10 requested IDs, rounded up.

GET `/v1/projects/resources?ids=101,102,103&include=media,floor_plans,amenities,payment_plans,payment_methods`

Up to 25 unique IDs and 5 resource types. Weighted cost: one quota unit per 5 project-resource pairs, rounded up.

Full-catalog scale snapshot

RECOMMENDED WORKLOAD FOR 2,090 PROJECTS	HTTP CALLS	QUOTA UNITS
Extended core details - groups of up to 100 IDs	21	209
All 5 supported related collections - groups of up to 25 IDs	84	2,090
Combined batch workflow	**105**	**2,299**

Worked out from the live catalogue on 12 November 2026; the figures follow the catalogue as it grows.

Budget note. Catalogue pagination and optional brochure, video, nearby, FAQ, virtual-tour and floor-plate calls are separate and add to these totals. Confirm plan allowance before a historical backfill.

02 / IMPLEMENTATION PLAYBOOK

Build once, then synchronize reliably

The safest integration is resumable, idempotent and conservative with existing local data. Use the sequence below before enabling a production scheduler.

1 Secure credentials

Store the API key and signing secret only in server-side environment configuration. Never expose a live key in browser JavaScript, mobile builds or source control.

2 Validate connectivity

Call `/v1/health`, then make one lightweight authenticated request such as `/catalog/metadata` before starting any batch job.

3 Create stable identity

Store a unique `external_id` for projects, developers, communities, sub-communities and states. Keep your existing public slugs unchanged for SEO continuity.

4 Import in resumable batches

Save a cursor after every page. Use groups of 100 for core detail and groups of 25 for related collections. Retry only the failed group.

5 Reconcile before replacing

Match existing rows by normalized name, developer and community. Confirm real replacement data before deleting old local files or relationships.

6 Switch to incremental updates

After the initial import, process webhooks and project changes. Avoid repeated full imports unless a controlled reconciliation is required.

Data integrity guardrails

Preserve local URLs and slugs

- Never overwrite an established SEO slug during a match.
- Assign the API slug only to genuinely new records.
- Reject localhost, private-network or malformed asset URLs defensively.

Treat files as short-lived references

- Store stable API records, not expiring signed URLs.
- Request a fresh brochure, video or document URL when a user needs it.
- Do not mirror protected files unless your agreement permits it.

Permissions and quota behavior

RULE	WHAT YOUR INTEGRATION SHOULD EXPECT
Atomic authorization	A related-resource batch must be authorized for every requested collection. Missing scope or entitlement returns 403; partial private data is never returned.
Catalogue filtering	Unpublished or inaccessible IDs are omitted and listed in `meta.omitted_project_ids`.
Evaluation access	Before commercial activation, a test key may expose a fixed 50–100 project sample and preview media only. Live keys stay blocked. Read `X-Access-Mode`; a 403 `EVALUATION_ACCESS_PAUSED` requires administrator review.
Weighted usage	The exact request cost is returned in `meta.quota_units` and `X-Quota-Units`.
Efficient caching	A valid ETag response of 304 and a rejected rate-limit response of 429 consume zero quota units.

03 / OPERATIONAL REFERENCE

Understand failures before retrying

Most integration incidents are bounded conditions with a clear recovery path. Log the request ID, error code and response headers before escalating.

SIGNAL	LIKELY CAUSE	RECOMMENDED ACTION
429 after a burst	Per-minute or 10-second burst window reached.	Read `Retry-After` and `RateLimit-Remaining`; pause with bounded backoff before retrying.
`DAILY_LIMIT_EXCEEDED`	The daily allowance is exhausted.	Persist the cursor and resume after the reset time returned by the API.
`MONTHLY_LIMIT_EXCEEDED`	The monthly allowance is exhausted.	Pause the import and contact your commercial owner about overage or a temporary plan adjustment.
`INSUFFICIENT_SCOPE`	The key does not permit one or more requested collections.	Remove the unneeded collection or ask your administrator to review plan scopes.
`ENTITLEMENT_REQUIRED`	The subscription does not include a premium resource.	Review the plan entitlement before retrying. Repeated calls will not bypass this policy.
Signed URL returns 403/404	The short-lived document, video or brochure URL expired.	Request a new signed URL at click or playback time. Do not store it as a permanent asset URL.
Duplicate-looking project	Legacy matching missed a name, suffix or spacing variation.	Compare external ID, developer and community. Do not auto-merge unrelated records based on name alone.
Optional endpoint is empty	The endpoint is available but the catalogue subset has no populated data.	Treat an empty collection as valid. Ask support which records are currently populated if needed.

Operational safety

Run jobs as the web-server user

Manual SSH jobs should never run as root. Root-owned cache or log files can prevent the live application from writing later.

Capture the evidence

Record timestamp, endpoint, request ID, status, error code and quota headers. This makes support investigation fast and precise.

Retry policy

RESPONSE	RETRY?	GUIDANCE
429	Yes, later	Wait for `Retry-After`; never retry in a tight loop.
500 / 503	Yes, bounded	Use two or three attempts with exponential backoff and keep the batch idempotent.
401 / 403 / 422	No	Correct credentials, permissions or request validation before sending again.
304	Not needed	Your cached copy is current and no response body or quota charge is required.

04 / GO-LIVE READINESS

Launch with a controlled checklist

Complete each item in staging, repeat a smaller verification in production, and keep a rollback path for the first scheduled run.

Pre-launch checklist

- ✓ **Credentials protected**
  Live keys and secrets exist only in encrypted server configuration.
- ✓ **Domain and network approved**
  The exact production host and required outbound IPs match account policy.
- ✓ **Staging import verified**
  Core detail and selected related collections map into the correct local fields.
- ✓ **Cursor recovery tested**
  An interrupted job resumes from the last successful page or batch.
- ✓ **Quota budget confirmed**
  Expected initial backfill plus retries fits the daily and monthly allowance.
- ✓ **Backoff implemented**
  429 and temporary 5xx responses cannot create a retry storm.
- ✓ **Webhooks authenticated**
  Signatures, timestamp tolerance and duplicate event handling are verified.
- ✓ **Monitoring ready**
  Request IDs, error codes, response time and remaining quota are visible.

Security essentials

Server-side access only

- Never embed live keys in public JavaScript.
- Keep test and production credentials separate.
- Rotate a key immediately if exposure is suspected.

Least-privilege requests

- Request only the resource types your product uses.
- Do not attempt to bypass missing entitlements.
- Keep catalogue filters and access decisions server-side.

Quick reference

RESOURCE	MAXIMUM BATCH	PRIMARY PERMISSION
Core project detail	100 IDs	`projects:read`
Media	25 IDs	`media:read` + images entitlement
Floor plans	25 IDs	`floorplans:read` + floorplans entitlement
Amenities / payment data	25 IDs	Matching resource scope

Need assistance before launch?

Share the request ID, timestamp, endpoint and error code with your onboarding contact. The public API reference remains the authoritative source for current fields and response schemas.

API DOCUMENTATION