

# McKnight MortgageOS Complete User Guide & Manual

Everything you need to integrate, operate, and win with the platform — from your first sandbox key to production document OCR.

McKnight Prequal Engine

Guideline Simulation Engine

Closing Cost Intelligence

Compliance Timing

Mortgage Lead Intelligence

Mortgage Document Intelligence

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**Base URL**

<https://mcknight-mortgageos.pages.dev>

**Version**

v1 · July 2026

**Support**

[support@rjbusinesssolutions.org](mailto:support@rjbusinesssolutions.org)

# Table of Contents

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|    |                                       |    |
|----|---------------------------------------|----|
| 01 | What Is McKnight MortgageOS?          | 3  |
| 02 | Getting Started in 5 Minutes          | 4  |
| 03 | Authentication, Plans & Quotas        | 5  |
| 04 | McKnight Prequal Engine               | 6  |
| 05 | Guideline Simulation Engine           | 7  |
| 06 | TRID Closing Cost Engine              | 8  |
| 07 | Compliance Timing Tools               | 9  |
| 08 | Lead Capture & Scoring                | 10 |
| 09 | Mortgage Document Intelligence (OCR)  | 11 |
| 10 | Billing, Upgrades & Usage             | 13 |
| 11 | Errors, Limits & Troubleshooting      | 14 |
| 12 | Compliance & Legal Notes              | 15 |
| A  | Appendix: Complete Endpoint Reference | 16 |

**Important disclaimer, up front:** The AUS engine performs **guideline simulation** modeled on published agency guidelines. It is **not** Desktop Underwriter® (DU®) or Loan Product Advisor® (LPA®) and does not return official findings. All outputs are decision-support estimates — final qualification is always determined by a licensed underwriter and official AUS submission.

# 01 What Is McKnight MortgageOS?

Mortgage Intelligence is a **mortgage decisioning API platform**: six underwriting-grade engines behind one REST API, running on Cloudflare's global edge network. You send borrower data (or a photo of a paystub) — it returns qualification verdicts, affordability numbers, closing cost estimates, compliance dates, and lead scores in milliseconds.

## Who it's for

| You are...                        | You use it to...                                                                                                            |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Loan officer / broker shop</b> | Pre-qualify borrowers on the phone in real time; screen files before an official AUS run burns a credit pull.               |
| <b>Lender / credit union</b>      | Embed instant prequal into your website; run guideline pre-checks across Conventional, FHA, VA, USDA, Jumbo simultaneously. |
| <b>PropTech / FinTech builder</b> | Power "How much house can I afford?" features with real 2026 guideline math instead of nonsense calculators.                |
| <b>Lead aggregator</b>            | Score mortgage leads 0–100 on qualification likelihood before selling or routing them.                                      |

## The six engines

|                                                                                                             |                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <h3>Prequal</h3> <p>Multi-program qualification, DTI, 0–100 score, max home price, compensating factors</p> | <h3>AUS Sim</h3> <p>DU + LPA-style dual verdicts with findings, modeled on published agency guidelines</p>           |
| <h3>Closing Costs</h3> <p>TRID-aligned Loan Estimate cost breakdown, all 50 states, cash-to-close</p>       | <h3>Compliance</h3> <p>LE/CD timing, 3-day waiting periods, mailbox rule, tolerance cure analysis</p>                |
| <h3>Leads</h3> <p>Capture + auto-score leads on qualification likelihood, pipeline API</p>                  | <h3>Document OCR</h3> <p>Paystub/W-2/bank statement/1040/1099 → parsed fields → qualifying income → auto-prequal</p> |

## Platform facts

|                                |                           |               |                             |
|--------------------------------|---------------------------|---------------|-----------------------------|
| <100ms typical engine response | 2026 loan limits verified | All 50 states | Edge-deployed (300+ cities) |
| SHA-256 hashed keys            | No SSN required           |               |                             |

## 02 Getting Started in 5 Minutes

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### Step 1 — Get your free sandbox key (no card, instant)

Visit [mcknight-mortgageos.pages.dev/signup](https://mcknight-mortgageos.pages.dev/signup), or via API:

```
curl -X POST https://mcknight-mortgageos.pages.dev/api/v1/signup \
-H "Content-Type: application/json" \
-d '{"company_name": "Acme Lending", "email": "you@acmelending.com"}'
```

The response contains your API key **once** — store it securely. Sandbox includes **25 prequals, 5 AUS runs, and 10 document analyses per month, free forever.**

### Step 2 — Make your first pre-qualification call

```
curl -X POST https://mcknight-mortgageos.pages.dev/api/v1/prequal/submit \
-H "Authorization: Bearer mga_live_YOUR_KEY" \
-H "Content-Type: application/json" \
-d '{
  "first_name": "John", "last_name": "Doe",
  "income_sources": [{"income_type": "W2_SALARY", "monthly_amount": 8500}],
  "credit_profile": {"fico_score": 720},
  "debts": [{"debt_type": "auto", "monthly_payment": 450}],
  "down_payment": 60000, "liquid_assets": 45000,
  "property_state": "TX", "years_employed": 4
}'
```

### Step 3 — Read the verdict

```
{
  "qualification": { "status": "Strong - Excellent Approval Odds", "qualification_score": 100 },
  "affordability": { "max_home_price": 374791.27, "max_loan_amount": 314791.27 },
  "program_eligibility": [
    { "program": "Conventional", "eligible": true, "dti_back": 22.1 },
    { "program": "FHA", "eligible": true }, { "program": "VA", "eligible": false, "reason": "..." }
  ],
  "stored_id": "2d42e9c5-..."
}
```

**That's it.** You now have a qualification verdict, a max home price, and per-program eligibility — from one call. Every submission is stored to your account history  
( `GET /api/v1/prequal/history` ).

### Interactive dashboard

The homepage at [mcknight-mortgageos.pages.dev](https://mcknight-mortgageos.pages.dev) is a live console: paste your key in the key field, then use the Prequal / AUS / Closing / Compliance / Leads / Usage tabs to fire real requests without writing code. The **Docs** tab lists every endpoint.

## 03 Authentication, Plans & Quotas

### Authentication

All engine endpoints require your API key as a Bearer token:

```
Authorization: Bearer mga_live_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

- Keys are stored **hashed (SHA-256)** — we cannot recover a lost key; generate a new one via `POST /api/v1/keys`.
- Public endpoints (no key): `/signup`, `/contact`, `/limits`, `/programs`, `/health`, billing checkout.
- Never embed your key in client-side/browser code. Call the API from your server.

### Plans

| Plan                | Price                     | Prequals/<br>mo                                 | AUS/<br>mo | Docs/<br>mo | Daily<br>calls | Overages                    |
|---------------------|---------------------------|-------------------------------------------------|------------|-------------|----------------|-----------------------------|
| <b>Sandbox</b>      | \$0 forever               | 25                                              | 5          | 10          | 250            | —                           |
| <b>Starter</b>      | \$299/mo · \$2,990/<br>yr | 500                                             | 50         | 100         | 1,000          | \$0.75 prequal · \$3<br>AUS |
| <b>Professional</b> | \$999/mo · \$9,990/<br>yr | 5,000                                           | 500        | 1,000       | 10,000         | \$0.40 prequal · \$2<br>AUS |
| <b>Enterprise</b>   | from \$2,500/mo           | Unlimited + SLA, white-label, custom guidelines |            |             |                | Contact us                  |

Annual billing = **2 months free**. Upgrade self-serve at `/pricing` (Stripe checkout, card charged immediately, account upgraded automatically within seconds via webhook — your existing key keeps working with new quotas). Enterprise: `/contact`.

### Checking your usage

```
curl https://mcknight-mortgageos.pages.dev/api/v1/billing/usage \
-H "Authorization: Bearer mga_live_YOUR_KEY"

{ "tier": "STARTER",
  "prequal": { "quota": 500, "used": 112, "remaining": 388 },
  "aus":     { "quota": 50,  "used": 9,   "remaining": 41 },
  "documents": { "quota": 100, "used": 23, "remaining": 77 } }
```

Quotas reset monthly on your billing date (paid plans — triggered by the paid invoice) . Exceeding a quota returns HTTP 403 `QUOTA_EXCEEDED` .

# 04 McKnight Prequal Engine

**POST** /api/v1/prequal/submit

## Request fields

| Field                                                                  | Type              | Notes                                                                                                                                                                |
|------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| first_name , last_name                                                 | string · required | Borrower name                                                                                                                                                        |
| income_sources[]                                                       | array · required  | Each: income_type (W2_SALARY, SELF_EMPLOYED, HOURLY, COMMISSION, BONUS, OVERTIME, RENTAL, PENSION, DISABILITY, ALIMONY...), monthly_amount , optional months_history |
| credit_profile                                                         | object · required | fico_score (or per-bureau scores — middle score used), late payments, bankruptcies, foreclosures, collections                                                        |
| down_payment                                                           | number · required | Dollars available for down payment                                                                                                                                   |
| debts[]                                                                | array             | Monthly obligations; set will_be_paid_off: true to exclude                                                                                                           |
| purchase_price                                                         | number            | Omit to solve for max affordability instead                                                                                                                          |
| property_state , occupancy , units                                     | —                 | Primary / Second Home / Investment; 1-4 units                                                                                                                        |
| is_veteran , is_first_time_buyer , usda_eligible_area , high_cost_area | boolean           | Unlock VA / USDA / high-balance analysis                                                                                                                             |
| interest_rate                                                          | number            | Assumed rate for affordability (defaults to current market assumption)                                                                                               |

## What you get back

- **qualification** — status tier + 0-100 score with contributing factors
- **affordability** — max home price, max loan, est. monthly payment breakdown
- **program\_eligibility** — Conventional / FHA / VA / USDA / Jumbo verdicts with front/back DTI vs. 2026 limits, credit minimums, LTV caps, and the specific reason for any failure
- **compensating\_factors** — reserves, low DTI, credit depth detected and applied
- **recommendations** — actionable "what would improve this file" list

## 2026 DTI & program limits used

| Program | Front DTI | Back DTI (base/comp) | Min FICO | Max LTV |
|---------|-----------|----------------------|----------|---------|
|---------|-----------|----------------------|----------|---------|

|              |     |           |     |       |
|--------------|-----|-----------|-----|-------|
| Conventional | 28% | 45% / 50% | 620 | 97%   |
| FHA          | 31% | 43% / 50% | 580 | 96.5% |
| VA           | —   | 41% / 60% | 580 | 100%  |
| USDA         | 29% | 41% / 44% | 640 | 100%  |
| Jumbo        | 28% | 38% / 43% | 700 | 90%   |

Related: [GET /prequal/history \(last 50\)](#) · [GET /limits](#) + [GET /limits/check?loan\\_amount=...](#) (2026 conforming/FHA limits, public) · [GET /programs](#)

# 05 Guideline Simulation Engine

**POST** /api/v1/aus/submit

**What this is:** a pre-check that simulates agency underwriting guidelines so you can catch problems before paying for an official DU®/LPA® run. **What this is not:** an official AUS. Findings are modeled, not GSE-issued.

## Request shape

```
{
  "loan_number": "L-2026-0455",
  "systems": ["DU", "LP"],           // run one or both simulations
  "borrower": {
    "first_name": "Maria", "last_name": "Santos",
    "credit_score": 705, "monthly_income": 9200,
    "is_self_employed": false, "years_employed": 6
  },
  "property": {
    "state": "FL", "property_value": 450000,
    "occupancy_type": "PrimaryResidence", "units": 1
  },
  "loan_details": {
    "loan_amount": 405000, "loan_purpose": "Purchase",
    "loan_term_months": 360, "interest_rate": 6.5,
    "loan_type": "Conventional", "monthly_debts": 850
  }
}
```

## Response highlights

- **Dual verdicts** — DU-style (Approve/Eligible ... Refer) and LPA-style (Accept ... Caution) recommendation per system
- **Findings list** — each finding has severity, guideline area (credit / capacity / collateral / documentation), and remediation text
- **Documentation checklist** — what an underwriter will ask for on this file
- **Risk factors** — LTV/DTI/credit layering analysis

Submissions persist: GET /aus/submissions lists them, GET /aus/submissions/:id/findings re-fetches full findings.

## When to use AUS-sim vs Prequal

| Scenario                                        | Use                                              |
|-------------------------------------------------|--------------------------------------------------|
| Borrower on the phone, exploring budget         | Prequal — fast, program-wide, needs less data    |
| File nearly complete, about to submit to DU/LPA | AUS-sim — catch findings before the official run |
| Website affordability widget                    | Prequal                                          |



# 06 TRID Closing Cost Engine

**POST** /api/v1/closing-costs

## Request shape

```
{
  "loan_amount": 320000, "property_value": 400000, "down_payment": 80000,
  "loan_type": "Conventional", "interest_rate": 6.625, "loan_term_months": 360,
  "state": "TX",
  "discount_points": 0.5, "seller_credit": 5000,
  "property_tax_annual": 7200, "homeowners_insurance_annual": 2100,
  "closing_date": "2026-09-15"
}
```

## What it returns — Loan Estimate structure

| Section              | Contents                                                                                                                                 |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| A — Origination      | Origination fee, discount points, underwriting/processing                                                                                |
| B — Cannot shop      | Appraisal, credit report, flood cert, MERS, tax service                                                                                  |
| C — Can shop         | Title services, lender's title insurance, survey, settlement                                                                             |
| E — Taxes & gov fees | Recording + <b>state-specific transfer taxes (all 50 states)</b>                                                                         |
| F — Prepaids         | Per-diem interest to first payment, insurance year-1, MIP/VA funding fee where applicable                                                |
| G — Escrow           | Initial escrow deposits (months of taxes + insurance)                                                                                    |
| Cash to close        | Down payment + costs – credits, with program-specific items (FHA UFMIP, VA funding fee incl. disabled-vet exemption, USDA guarantee fee) |

Every response includes estimated total closing costs, cash-to-close, and monthly payment (PITI + MI where LTV requires it).

**Tip:** pass `is_veteran_disabled: true` on VA loans to zero the funding fee — a commonly missed exemption worth thousands.

## 07 Compliance Timing Tools

TRID timing violations are expensive. These endpoints compute legally significant dates using the federal-holiday-aware business day calendar.

| Endpoint                                         | What it answers                                                                                                                                        |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| POST /compliance/le-timing                       | "Given this application date, when must the Loan Estimate be delivered?" (3 business days) — plus earliest allowable closing                           |
| POST /compliance/cd-timing                       | "Given this CD delivery date and method, when can we close?" (3-day waiting period; <b>mailbox rule</b> adds 3 days for non-hand delivery)             |
| POST /compliance/tolerance                       | "Fee changed between LE and CD — is it a violation and what's the cure?"<br>Zero / 10% aggregate / unlimited tolerance buckets with exact cure amounts |
| GET /compliance/holidays/:year                   | Federal holiday calendar for any year                                                                                                                  |
| GET /compliance/business-days?start=...&days=... | General-purpose TRID business-day calculator                                                                                                           |

### Example — CD timing with mailbox rule

```
curl -X POST .../api/v1/compliance/cd-timing \
  -H "Authorization: Bearer mga_live_YOUR_KEY" -H "Content-Type: application/json" \
  -d '{"cd_delivery_date": "2026-09-08", "delivery_method": "mail"}'

{ "received_date": "2026-09-11",           // +3 days mailbox rule
  "earliest_closing_date": "2026-09-15",
  "waiting_period_days": 3, "notes": ["Mailbox rule applied..."] }
```

### Example — tolerance cure

```
{ "category": "zero_tolerance", "violation": true,
  "cure_amount": 150.00,
  "explanation": "Lender fees are zero-tolerance; any increase over LE requires a cure." }
```

# 08 Lead Capture & Scoring

Capture consumer mortgage leads and score them 0–100 on qualification likelihood — so your team calls the winners first (or you price lead inventory correctly).

| Endpoint          | Purpose                                                  |
|-------------------|----------------------------------------------------------|
| POST /leads       | Create + auto-score a lead (persists to your pipeline)   |
| GET /leads        | Your pipeline, sorted by score descending                |
| POST /leads/score | Score without persisting (e.g., real-time bid decisions) |

## Scoring inputs

Credit band, income vs. target price, down payment strength, employment stability, timeline urgency, and property/occupancy type feed a weighted 0–100 score with a hot/warm/cold classification.

```
curl -X POST .../api/v1/leads -H "Authorization: Bearer mga_live_YOUR_KEY" \
-H "Content-Type: application/json" -d '{
  "first_name": "Dana", "last_name": "Fields", "email": "dana@example.com",
  "credit_range": "700-749", "annual_income": 110000,
  "down_payment_saved": 40000, "target_price": 380000,
  "timeline": "0-3 months", "employment_type": "W2"
}'
→ { "lead_id": "...", "score": 84, "classification": "hot", "factors": [...] }
```

**Workflow idea:** pipe your web form → `POST /leads` → route score ≥75 to senior LOs, 50–74 to nurture campaigns, <50 to automated drip. The score factors explain every number, so LOs know the angle before dialing.

## 09 Mortgage Document Intelligence (OCR)

**POST** /api/v1/documents/analyze

Upload a borrower document photo — get back the document type, every extracted field, a computed **qualifying monthly income** per standard agency methods, and (optionally) a full pre-qualification in the same call.

### Supported documents & extracted fields

| Document              | Fields extracted                                                                      | Income method                                                                                                    |
|-----------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Paystub</b>        | Pay period, frequency, gross current/ YTD, net, hours, rate, OT/bonus/ commission YTD | Current gross × frequency factor, YTD cross-check (conservative lower figure), OT/bonus flagged for 2-yr average |
| <b>W-2</b>            | Box 1/3/5 wages, withholding, year, EIN, state                                        | Box 1 ÷ 12 (2-yr averaging note)                                                                                 |
| <b>Bank statement</b> | Balances, deposits, withdrawals, <b>NSF count</b>                                     | Asset verification (not income for agency loans)                                                                 |
| <b>1040 return</b>    | Line 9/11, Schedule C net profit, wages                                               | Sch C ÷ 12 for self-employed (add-back note)                                                                     |
| <b>1099</b>           | Variant, payer, amount, year                                                          | Annual ÷ 12 (2-yr history note)                                                                                  |

### Upload formats

- **Multipart:** field `file` — JPEG, PNG, or WebP, max 4MB. **PDFs:** convert pages to PNG first (300 DPI recommended).
- **JSON:** `{"image_base64": "...", "content_type": "image/png"}`

### The killer feature — document → instant prequal

```
curl -X POST .../api/v1/documents/analyze \
  -H "Authorization: Bearer mga_live_YOUR_KEY" \
  -F "file=@paystub.png" \
  -F "auto_prequal=true" \
  -F 'borrower={"credit_profile":{"fico_score":720},"down_payment":60000,
    "property_state":"NM","debts":[{"debt_type":"auto","monthly_payment":450}]}'

→ doc_type: PAYSTUB · qualifying income: $8,910.30/mo
→ auto_prequal: score 100 · max home price: $374,791 · stored in history
```

Credit score and down payment must come from you — documents can't establish them. The derived income becomes a W2\_SALARY (or SELF\_EMPLOYED) income source automatically.

# 09 Mortgage Document Intelligence — continued

## Managing analyzed documents

| Endpoint               | Purpose                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| GET /documents/history | Your last 50 analyses with doc type, confidence, derived income                                                       |
| GET /documents/:id     | Full record: all fields, income analysis, OCR stats                                                                   |
| DELETE /documents/:id  | <b>Permanently deletes</b> the analysis AND the stored file — use for privacy compliance / borrower deletion requests |

## Accuracy & trust model

- Every response carries a `confidence` (0–1) and a `warnings[]` array flagging legibility issues or inconsistencies (e.g., current gross that doesn't reconcile with YTD).
- The income calculator is deliberately **conservative**: when YTD-derived and current-period figures diverge >15%, the lower figure wins — matching underwriter practice.
- Failed analyses (unreadable image) return HTTP 502 `OCR_FAILED`, **don't consume quota**, and don't store anything.
- Processing takes **15–25 seconds** (two AI model passes). Design your UX accordingly — show a progress state.

**PII rules for document upload:** obtain the borrower's consent before uploading; redact SSNs and full account numbers where practical. Files are stored encrypted at rest in private object storage, are never used for model training, and are deletable on demand. See [/privacy §3](#).

## Best-practice image checklist

-  Full page in frame, flat, well-lit, ≥300 DPI equivalent (a modern phone photo is fine)
-  PNG or JPEG, under 4MB
-  Skewed/cropped scans, screenshots of thumbnails, multi-page composites

## 10 Billing, Upgrades & Usage

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### Upgrading from Sandbox

1. Go to **/pricing** → click **Subscribe** on Starter or Professional
2. Enter your email (use the **same email as your sandbox signup** to upgrade in place — your existing API key keeps working with the new quotas)
3. Choose monthly or annual (2 months free) → pay via Stripe's secure checkout
4. Within seconds the webhook provisions your account. New customers see their API key **once** on the success page — copy it immediately

### Billing lifecycle

| Event                              | What happens automatically                                         |
|------------------------------------|--------------------------------------------------------------------|
| Subscription renews (invoice paid) | Account re-activated if needed; monthly usage counters reset to 0  |
| Payment fails                      | Account suspended (API returns auth errors) until payment succeeds |
| Subscription cancelled             | Account closed at period end                                       |

To cancel or change plans, email **support@rjbusinesssolutions.org** (self-serve portal coming). Annual plans are non-refundable except where law requires.

### API key management

```
# Generate an additional production key (returned once)
curl -X POST .../api/v1/keys -H "Authorization: Bearer mga_live_EXISTING_KEY" \
  -H "Content-Type: application/json" -d '{"key_name": "Production Server 2"}'
```

- Use separate keys per environment/server so you can rotate one without downtime.
- Suspected leak? Generate a new key, deploy it, then contact support to revoke the old one.

# 11 Errors, Limits & Troubleshooting

## Error format

```
{ "error": { "code": "QUOTA_EXCEEDED", "message": "Monthly PREQUAL quota exceeded (500/500)...",  
  "details": {...} } }
```

## Error reference

| HTTP | Code               | Meaning / fix                                                             |
|------|--------------------|---------------------------------------------------------------------------|
| 401  | UNAUTHORIZED       | Missing/invalid key. Check the <code>Authorization: Bearer</code> header. |
| 401  | DEMO_KEY_DISABLED  | Demo keys don't work in production — get a free key at /signup.           |
| 403  | QUOTA_EXCEEDED     | Monthly quota hit. Upgrade at /pricing or wait for reset.                 |
| 400  | INVALID_REQUEST    | Missing required fields — message lists them.                             |
| 409  | ALREADY_REGISTERED | Signup email already has an account.                                      |
| 413  | FILE_TOO_LARGE     | Document over 4MB — compress or downscale.                                |
| 415  | UNSUPPORTED_TYPE   | Only JPEG/PNG/WebP. Convert PDFs to PNG first.                            |
| 502  | OCR_FAILED         | Image unreadable. Retake per the checklist in §09. No quota consumed.     |

## Integration best practices

- **Timeouts:** engines respond in <100ms — set 10s timeouts. Document analysis takes 15–25s — set 60s+ and show progress UI.
- **Retries:** retry 5xx with exponential backoff (1s/2s/4s). Never auto-retry 4xx.
- **Idempotency:** prequal/AUS submissions store a row per call — de-duplicate on your side if users double-click.
- **Monitoring:** poll `GET /health` (public) for liveness; watch your quota via `GET /billing/usage`.

## Getting help

Email [support@rjbusinesssolutions.org](mailto:support@rjbusinesssolutions.org) with your `client_id` (never your API key), the endpoint, timestamp, and the full error body. Starter: 48h response · Professional: 12h priority · Enterprise: dedicated Slack.

## 12 Compliance & Legal Notes

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**The disclaimer that governs everything:** This platform provides **guideline simulation and estimation for decision-support purposes**. It is not Desktop Underwriter® (Fannie Mae), Loan Product Advisor® (Freddie Mac), or any official automated underwriting system, and returns no official findings. Final qualification, pricing, and approval are always determined by a licensed lender, official AUS submission, and full underwriting. DU® and LPA® are registered trademarks of their respective owners; no affiliation or endorsement is implied.

### Your responsibilities as an API customer

- **Fair lending:** use outputs consistently across all consumers. Never use the API to implement criteria that disparately impact protected classes (ECOA, FHA).
- **Adverse action:** API outputs are not a substitute for compliant adverse-action notices where required.
- **Consumer disclosures:** if you surface results to consumers, present them as estimates, not commitments to lend.
- **Data minimization:** structured endpoints never need SSNs or full account numbers — don't send them. Document uploads require borrower consent (§09).
- **Verification:** TRID timing and tolerance outputs are calculation aids; your compliance team owns the final call.

### What we do on our side

- API keys stored as SHA-256 hashes; TLS 1.3 everywhere; documents encrypted at rest in private storage
- 2026 loan limits and guideline parameters verified against published sources (see /brand and README provenance)
- No sale of your data or your borrowers' data. No model training on uploaded documents. Deletion on request (30 days) and self-serve via the documents DELETE endpoint

Full terms: [mcknight-mortgageos.pages.dev/terms](https://mcknight-mortgageos.pages.dev/terms) · Privacy: [/privacy](#) · Governing law: New Mexico, USA.

## A Appendix: Complete Endpoint Reference

| Endpoint                                                           | Auth | Purpose                                      |
|--------------------------------------------------------------------|------|----------------------------------------------|
| <b>POST</b> /api/v1/signup                                         | —    | Free sandbox account + instant key           |
| <b>POST</b> /api/v1/contact                                        | —    | Demo / enterprise / partnership request      |
| <b>GET</b> /api/v1/limits · /limits/check · /programs              | —    | 2026 loan limits & program catalog           |
| <b>GET</b> /health                                                 | —    | Liveness + DB status                         |
| <b>POST</b> /api/v1/prequal/submit                                 |      | Multi-program pre-qualification              |
| <b>GET</b> /api/v1/prequal/history                                 |      | Last 50 prequals                             |
| <b>POST</b> /api/v1/aus/submit                                     |      | DU/LPA-style guideline simulation            |
| <b>GET</b> /api/v1/aus/submissions · /:id/findings                 |      | Submission history + findings                |
| <b>POST</b> /api/v1/closing-costs                                  |      | TRID LE-style cost estimate                  |
| <b>POST</b> /api/v1/compliance/le-timing · /cd-timing · /tolerance |      | TRID timing & tolerance                      |
| <b>GET</b> /api/v1/compliance/holidays/:yr · /business-days        |      | Calendars                                    |
| <b>POST</b> /api/v1/leads · /leads/score                           |      | Lead capture + scoring                       |
| <b>GET</b> /api/v1/leads                                           |      | Scored pipeline                              |
| <b>POST</b> /api/v1/documents/analyze                              |      | OCR + parse + income + optional auto-prequal |
| <b>GET</b> /api/v1/documents/history · /:id                        |      | Analysis records                             |
| <b>DEL</b> /api/v1/documents/:id                                   |      | Delete analysis + file                       |
| <b>GET</b> /api/v1/billing/usage                                   |      | Quotas + usage                               |
| <b>POST</b> /api/v1/keys                                           |      | Additional API key                           |
| <b>POST</b> /api/v1/billing/checkout                               | —    | Stripe subscription checkout                 |

### Web pages

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**Base URL for every call:** <https://mcknight-mortgageos.pages.dev> — engines respond in <100ms from 300+ edge locations worldwide.