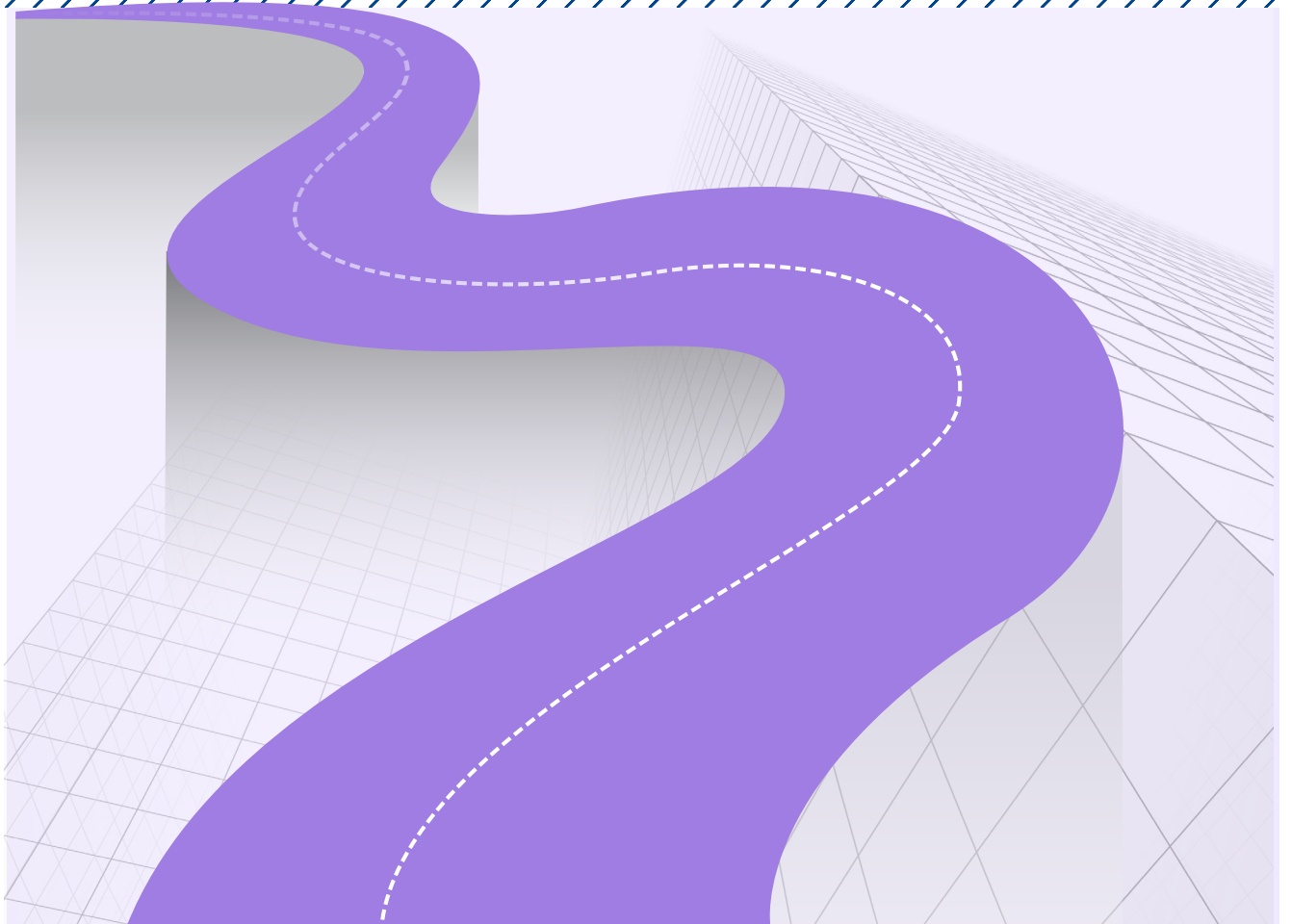
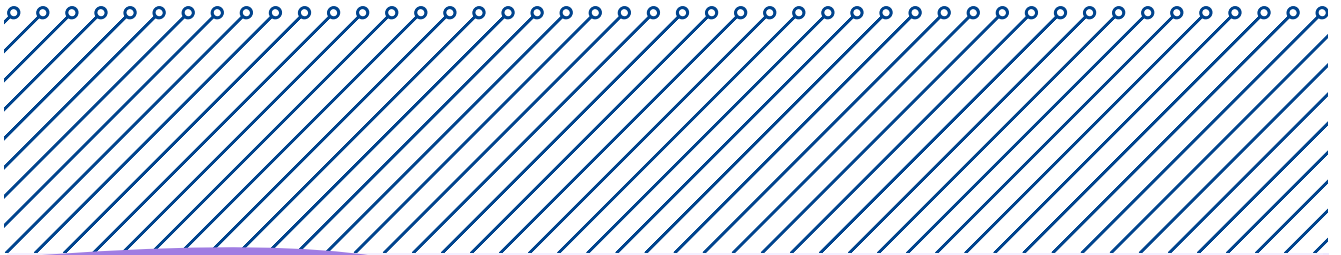




**Vishwaas.ai**



# Product Roadmap

Where Vishwaas AI Is Going

# Our Build Philosophy

Vishwaas AI is built around a single thesis: consent compliance is only complete when it reaches every system that acts on it, at the moment it changes, with cryptographic proof it happened.

Every capability on this roadmap extends that thesis — deeper enforcement, broader ecosystem reach, stronger evidence, and compliance coverage for obligations that are not yet active but will be.

This roadmap reflects our planned direction. Priorities evolve based on regulatory developments, customer input, and market conditions. We share it to help you plan — not as a contractual commitment.

## What's Here Today — v2.1

Capability	Status
Hash-chained consent ledger (SHA-256 + RSA + RFC 3161 TSA)	✔ Live
22 Indian language support across all consent and notice surfaces	✔ Live
Consumer Data Unification — deterministic + probabilistic identity resolution	✔ Live
Real-time consent propagation — HMAC-signed webhooks, < 5 sec SLA	✔ Live
Consent Status Pull API — Redis cache, < 50ms single / < 200ms batch of 1,000	✔ Live
Cookie Consent SDK — drop-in banner.js, tracker interception, 22 languages	✔ Live
DPR module — access, correction, erasure, nomination, DPBI escalation	✔ Live
Breach management — 72-hour DPBI countdown, principal notification	✔ Live
DPIA + Vendor management — risk assessment, DPA tracking, cross-border flag	✔ Live
Multi-tenant platform — PostgreSQL RLS, tenant-scoped routing, super admin	✔ Live
Consent Campaigns — bulk consent collection by purpose, scheduled delivery	✔ Live
Propagation Monitor — delivery dashboard, dead-letter queue, retry controls	✔ Live

# Near-Term — Next Release

## Consent Enforcement Layer

The final piece of the three-layer propagation architecture. While v2.1 delivers real-time notification (Push) and verification (Pull), the Enforcement layer moves consent checks to the infrastructure level — so downstream processing cannot happen even if a system fails to act on a webhook.

- **API Gateway Plugin** — Installs in Kong and AWS API Gateway; intercepts outbound calls to data processors; checks consent status before allowing the call through; returns 403 Forbidden with consent ID if consent is absent or withdrawn
- **SDK Middleware** — Lightweight library for Node.js, Python, Java, and Go; integrates into application code with a single decorator or middleware function; supports block mode (hard enforcement) and audit-only mode (log non-compliance without blocking)
- **Audit mode first** — Organisations can deploy in audit-only mode to map where consent-unchecked processing is happening before enabling hard enforcement — a zero-disruption rollout path

## Erasure Orchestration Engine

Completing the DPDP Act Section 12 right-of-erasure workflow end-to-end:

- **Automated erasure jobs** dispatched to every source system linked in the identity graph when a DPR erasure request is approved
- **Per-system confirmation tracking** — each source system confirms deletion; the DPR module tracks completion status per system with timestamps
- **Retention hold engine** — automatically flags records covered by statutory retention obligations (Clinical Establishments Act, RBI KYC, CICA) as retention\_hold, proceeds with erasure only for uncovered categories
- **48-hour pre-notification** — required notification to data principals before erasure is executed, per DPDP Act Section 12(3)
- **Erasure certificate** — signed PDF generated on full completion; DPBI-ready evidence package

## DigiLocker & Aadhaar eKYC for Guardian Consent

Enabling verifiable parental consent for minor data principals — a requirement under DPDP Act Section 9:

- **DigiLocker integration** — guardian verifies identity and provides consent via their DigiLocker account; consent is linked to both the guardian and minor profiles
- **Aadhaar OTP eKYC** — guardian authenticates via Aadhaar OTP; identity verification is logged in the consent record
- **Age verification signal** — platforms that collect date-of-birth can configure automatic minor-detection and guardian consent routing

## Mid-Term — Upcoming Quarters

### DPBI Evidence Package — One-Click Regulatory Response

When the Data Protection Board of India investigates a complaint or initiates an inquiry, the Data Fiduciary must produce evidence of compliance rapidly. Today this requires assembling records manually. The Evidence Package capability will automate this entirely:

- **One-click export** — generates a signed, timestamped PDF package containing: relevant consent records with full chain verification, DPR request history, breach notification logs, notice delivery confirmations, and audit trail excerpts
- **DPBI inquiry template** — pre-structured to match the DPBI's expected evidence format (once published in DPDP Rules)
- **Chain integrity certificate** — cryptographic verification of the consent hash chain included in the export, independently verifiable without Vishwaas AI infrastructure

### Consent Analytics & Insights

Transforming the consent ledger from a compliance record into a business intelligence resource:

- **Risk pre-population** — AI analyses the data asset map, vendor registry, and processing purposes to pre-populate the DPIA questionnaire with likely risks
- **Regulatory reference mapping** — automatically surfaces the relevant DPDP Act sections, DPDP Rules provisions, and sector regulations applicable to the processing activity being assessed

- Risk scoring calibration — suggested risk ratings based on data sensitivity, volume, processing purpose, and cross-border transfer status
- DPO review workflow — AI-generated draft goes to DPO for review and approval; all changes tracked in the audit trail

## Mobile SDK — iOS & Android

A native mobile SDK for in-app consent collection and management:

- **iOS (Swift) and Android (Kotlin)** — native libraries; no WebView dependency
- **In-app consent sheet** — renders in the user's device language; matches the mobile app's design system via theme configuration
- **Consent status local cache** — consent decisions cached on-device for offline access; synced to the platform on connectivity restoration
- **Deep link support** — consent withdrawal via push notification deep link; satisfies the DPDP Act's "as easy to withdraw as to give" requirement for mobile-first products

# Longer-Term — Future Horizon

## Cross-Border Transfer Monitoring & Controls

Once DPDP Rules on cross-border data transfers are published, Vishwaas AI will provide:

- **Automated flagging** of all vendor relationships involving cross-border personal data transfers
- **Adequacy assessment tracker** — tracks the regulatory status of each destination country as Rules are published
- **Transfer consent collection** — dedicated consent purpose for cross-border transfers, with notice disclosures as required by DPDP Rules
- **Transfer prohibition enforcement** — block data flows to countries on the restricted list via the Enforcement Layer API gateway plugin

## Consent Manager Designation Support

The DPDP Act introduces the concept of a Consent Manager — a registered entity that manages consent on behalf of data principals across multiple Data Fiduciaries. As this framework is operationalised by the DPBI:

- **Consent Manager API** — enables a registered Consent Manager to read and update consent records on behalf of data principals they represent
- **Cross-fiduciary consent portability** — a data principal's consent decisions made with one Data Fiduciary can be shared via the Consent Manager with others, reducing repeated consent collection
- **Consent Manager registration workflow** — onboarding and compliance tooling for entities seeking Consent Manager designation

## Database Proxy — SQL-Level Consent Filtering

The deepest enforcement layer — sits between the application and the database:

- **Transparent proxy** — no application code changes required; deployed between the ORM and PostgreSQL
- **Row-level consent filtering** — queries that retrieve personal data are automatically filtered to exclude rows where the relevant consent is absent or withdrawn
- **Purpose-bound query tagging** — each query is tagged with the business purpose it serves; the proxy verifies that purpose has active consent before returning data
- **Audit logging** — every data access attempt, whether permitted or blocked, is logged to the audit schema

## Sector-Specific Compliance Templates

Pre-built configuration packages for the most common compliance scenarios, reducing deployment time from days to hours:

- **BFSI template** — pre-configured purposes for KYC acknowledgement, credit bureau sharing, marketing, group data sharing; RBI and IRDAI regulatory references pre-mapped
- **Healthcare template** — clinical consent, diagnostic sharing, insurance claim, research opt-in; Clinical Establishments Act and Telemedicine Practice Guidelines retention policies pre-set
- **E-Commerce template** — cookie categories, marketing purposes, logistics DPAs, payment gateway DPAs; Consumer Protection (E-Commerce) Rules alignment

# Roadmap Summary

Horizon	Capabilities
Next release	Consent Enforcement Layer (API gateway + SDK middleware), Erasure Orchestration Engine, DigiLocker / Aadhaar guardian consent, Mobile SDK
Upcoming quarters	DPBI Evidence Package, Consent Analytics & Insights, AI-assisted DPIA, Cross-border transfer monitoring
Future horizon	Consent Manager designation support, Database Proxy (SQL-level enforcement), Sector-specific compliance templates

## Your Input Shapes This Roadmap

We build Vishwaas AI in close partnership with the organisations using it. If you have a compliance scenario, an integration requirement, or a regulatory obligation not covered here, we want to hear from it.

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