

Kolate Release Notes

V0.1

Design:

- UX design completed for:
 - Kolate Admin
 - Enterprise Admin
 - Enterprise Users with role-based access

Infrastructure:

- Initial infrastructure setup (AWS, Auth0, email server, etc.)
- Single Sign-On (SSO) setup for seamless new enterprise onboarding

Development:

- Initial codebase established for frontend and microservices
 - UI components configured, including fonts, colors, icons, and more
 - SSO login is integrated with the frontend application
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V0.2

Design:

- Improved UX for **Enterprise Invite Flow** with **SSO registration** support.

Infrastructure:

- New **development VPC** and related resources created and configured for streamlined deployments.

Development:

- Initial application deployment is complete.
 - Database integration is in progress.
 - **Auth0 setup** and **frontend-backend integration** successfully tested locally.
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V0.3

Infrastructure:

- Configured **EC2 instances**, **Load Balancers**, **S3 buckets**, and **CDNs** to support scalable deployments.

Features:

- The full application (frontend and backend) is now deployed on **AWS EC2** and accessible at app-dev.kolate.ai.
 - **Auth0 integration** is complete — admin authentication and dashboard access are now live.
 - **Admin users** can send onboarding invites to **enterprise admins**.
 - **Enterprise admins** can set up their organization and complete a **self-service SSO configuration**, enabling access for their teams. <https://app-dev.kolate.ai>
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V0.4

Features:

- **Easy and Secure Login:** Enterprise teams can now sign in using their existing company credentials (Single Sign-On), making access to the Kolate Dashboard easier and more secure.
 - **Better Data Separation:** We've added support for multiple tenants, which means each organization's data is kept completely separate and secure – improving privacy and performance.
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V0.5

Design:

- **Kolate Predict Tool:** Draft UX design is complete and currently under review for enhancements.

UI Enhancements:

- Completed design and development for:
 - **Enterprise Management**
 - **User Management**

Infrastructure:

- **Initial Terraform setup** has been successfully completed.

Development:

- **User Management API** has been developed and deployed for testing.
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V0.6

New API Integrations & UI Enhancements

Enterprise Management

- **Enterprise Profile Setup** – Enterprise admins can now update and manage their enterprise profiles with ease.
- **Enterprise Deletion Request** – Admins can submit requests to delete their enterprise profiles directly from the platform.

User Management

- **Invite Users** – Admins can invite new users to join the enterprise as either members or admins.
- **View Users** – A complete list of all enterprise members is now accessible to admins.
- **Assign Roles** – Role management has been streamlined—admins can modify user roles anytime.
- **Block & Unblock Users** – Admins now have full control to block or unblock users as needed.

Development Updates

- The **Project Management API** is now fully developed and deployed to the testing environment for validation and feedback.
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V0.7

Features

Enterprise Project Management

- **Project Creation & Setup** – Create and configure new enterprise-level projects.
- **View All Projects** – List all projects associated with your enterprise.
- **Edit Project Details** – Update project information as needed.

- Project Deletion – Remove projects directly from the dashboard.
- Project Search & Filter – Quickly find projects by name or filter by status.
- Project Statistics – Access analytics and status-based insights.
- Frontend Ready – User interfaces for managing and interacting with projects are implemented and deployed.

Enterprise Project User Management

- Add Users to Projects – Assign members to specific projects via UI or API.
 - Remove Users – Remove inactive or incorrect project assignments.
 - View Project Users – See which users are assigned to each project.
 - Change User Role – Modify a user's role within a project for better access control.
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V0.8

Infrastructure

Terraform Integration for Enterprise Onboarding

Each time a new enterprise is onboarded, Kolate now provisions a **dedicated database instance or container** automatically.

This enhancement delivers:

- **Maximum data isolation** between enterprises
- A strong foundation for **secure and scalable multi-tenant**.

Features

Enhanced Admin Dashboard with API Integration

Kolate Admins can now:

- View enterprise-level **projects and statistics**.
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V0.9

Features

Granular Role Management Within Projects

Enterprise Admins now have full control over user roles within individual projects.

- **Default Role Templates** are now auto-generated when a project is created — including roles like **Admin, Manager, Member, Analyst**, each with tailored access to project modules.
- Admins can **assign, modify, or revoke roles** for users at any time, directly from the project settings.

Seamless Project Switching

Switching between projects is now faster and more intuitive:

- Users can easily **toggle between active projects** using a new **Project Selector Dropdown** — no need to log out or navigate away.

Stronger Access Control for Unassigned Users

Security and clarity are improved with stricter access control:

- **Uninvited or unassigned users** can no longer access the dashboard or project data.
- Only users explicitly added to a project will be granted access, keeping your workspace clean and secure

V1.0

Improved Design & User Experience

- The **UI and UX** for the **CAR T Cell Therapy trial** in the **Predict module** are now complete.
- Clean and intuitive design to make clinical predictions easier to use and understand.

Backend Upgrades

- The CAR T Cell Therapy pipeline has been **fully decoupled** from the old Streamlit app. It is now packaged as a **standalone microservice**, bundled with its models.
- This sets the stage for smoother integration and better performance

V1.1

Features

CAR T Cell Therapy Trial Integration

The CAR T Cell Therapy trial is now fully integrated into the frontend, enabling users to:

- **Upload patient profiles via CSV**
 - **Manually enter patient data** through a user-friendly interface
 - **Run real-time predictions** and receive actionable insights based on the latest clinical data
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V1.2

Backend Upgrades

- The Squamous Cell Lung Cancer – Therapy N pipeline has been fully decoupled from the legacy Streamlit app.
- It is now packaged as a standalone microservice, bundled with its own prediction models.
- This change enables faster inference, smoother integration, and greater flexibility across the Kolate ecosystem.

Infrastructure

- Enterprise-Specific Terraform Automation
 - Work is underway to automate the provisioning of dedicated MongoDB and Redis instances using Terraform.
 - This will streamline environment setup and improve infrastructure consistency for enterprise deployments.
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V1.3

Infrastructure

Terraform Integration for Enterprise Onboarding

Each time a new enterprise is onboarded, Kolate now provisions a **dedicated MongoDB and Redis database instance or container** automatically.

This enhancement delivers:

- **Maximum data isolation** between enterprises
 - A strong foundation for **secure and scalable multi-tenant**.
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V1.4

Features

Frontend Access Controls

A new admin interface has been added to **visually manage module and trial access** per enterprise.

- Seamlessly integrated with the new APIs
 - Enables quick updates to enterprise-level permissions without needing backend changes
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V1.5

Features

Custom Roles & Member Permissions

Project admins can now manage user access with greater flexibility using **custom roles**:

- **Create and assign custom roles** at the project level
- **Easily update or reassign roles** as team structures change
- **Delete roles** and automatically move affected users to a default fallback role
- **View roles and permissions** for each member directly within the **Project Members** interface

Backend API Enhancements

- New backend APIs to **securely store patient data in MongoDB** have been developed and deployed for testing.
 - Designed with scalability and data privacy in mind, this lays the foundation for handling sensitive clinical information safely.
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V1.6

Features

New Trial Integration

- **Squamous Therapy N Trial** is now fully integrated into the frontend.
- Supports **CSV upload** and **manual data entry** for maximum flexibility.

- Instant prediction results with **confidence scores** and **detailed outcome metrics**.
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V1.7

Features

Patient Record Management

- Upload and save patient records directly within project trials
- Delete records when no longer needed, ensuring clean and organized data management

Prediction on Saved Records

- Run predictions seamlessly on stored patient records
- Get insights without re-uploading data each time

Sample Dataset Support

- Access and use the **Kolate sample dataset** within trials
 - Quickly test workflows and explore features without requiring external data
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V1.8

Features

CAR T-cell Response Analytics

- Key Characteristics of Responders dashboard fully integrated
- Interactive biomarker visualization for LDH levels, IPI Score, Age, Primary Mediastinal Y/N, and Gender
- statistical analysis with response rate calculations

Backend & Frontend Integration

- Complete full-stack integration of analytics APIs with dashboard components
 - Chart configuration controls for customizable biomarker views
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V1.9

Features

Decoupled Lung Cancer Risk Prediction Trial

- The Lung Cancer Risk Prediction trial has been fully **migrated from the old Streamlit app**.
- It is now packaged as a **standalone microservice**, bundled with its models for improved performance, flexibility, and maintainability.

APIs for Trial Execution History

- New APIs have been developed and deployed for testing to:
 - **Fetch historical results** for improved tracking and analysis.
 - **Save execution history** of trials
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V2.0

Features

New Trial Integration: Lung Cancer Risk Prediction

- The **Lung Cancer Risk Prediction Trial** is now fully integrated into the Kolate frontend.
- Users can easily:
 - Upload patient data via CSV or Manually enter patient data for predictions
 - Run predictions seamlessly on stored patient records
 - Get insights without re-uploading data each time

Execution History for All Trials

- Every trial in Kolate now supports **saving and viewing prediction results**.
 - Users can:
 - Track past predictions with complete execution history
 - Review insights over time for better analysis and decision-making
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