



Application Lifecycle Management

Systematic synchronization from dev to prod

Integral to the cloud-native Anaplan platform, Application Lifecycle Management (ALM) enables you to effectively manage the development, testing, deployment, and ongoing maintenance of your applications. With ALM for model structure, you can introduce changes across different environments without disrupting business operations, as well as securely and efficiently manage and update applications with governance across different environments. Quickly deploy changes to run more hypothetical scenarios in your planning cycles as you test and release development changes into production. Our set of ALM application programming interfaces (APIs) allow you to automate the model synchronization process, as well as further ensure segregation of duties. In addition, ALM for the user experience (UX) allows you to build pages within applications to easily manage the entire lifecycle of your UX pages in a unified location.

Benefits

Securely manage the application deployment lifecycle from development through production

- Align key business goals and deploy cross-environment changes to scale across users and functions.
- Deploy model changes quickly and efficiently.
- Address evolving business priorities by deploying critical changes throughout the platform swiftly.
- Improve collaboration within and across teams for increased efficiency and knowledge sharing.

Mitigate risk with platform-auditing capabilities

- Confidently track and audit all activities anytime with updated, detailed records. Uncover what changes were made, by whom, and where. Mitigate risks and protect your models from unauthenticated and unwanted changes.
- View and compare changes between two versions of an application for better audit and analysis.
- Comply with country- and industry-specific governance requirements by securely managing all of your changes.

Key characteristics of ALM for model structure

Seamless synchronization

- Model synchronization enables users to compare structural changes between models. Synchronize online and offline models without affecting end users or introducing unwanted changes.
- Synchronize models through the formal revision control process by leveraging tagged model changes.
- Deploy a large number of changes simultaneously, from development to production environments.

Complete control

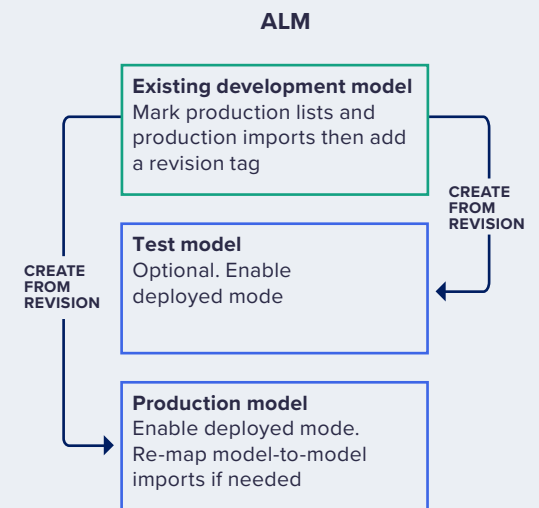
- Maintain complete control of individual model environments with separate workspaces to isolate development, testing, and production life stages.
- Build new functionality in a development model, test it in a realistic testing model, and then release an update to a production model—without affecting end users.

Secure production

- Securely manage production lists by identifying structural data that needs to change in the deployment environment without risking an overwrite.
- Sanitize the production environment by locking down structural data through revision tags and segregating test environments.

“ALM has been essential to helping us simplify and streamline deployment to accelerate our time-to-value. Now, we can roll out changes fast with complete confidence and spend more time planning ahead to achieve our bottom-line business results.”

– CIO of an Anaplan customer, a leading manufacturing company headquartered in the U.S.



Automate model synchronizations with ALM APIs

Automate multiple model synchronizations, ensure segregation of duties, and meet compliance.

ALM APIs allow workspace administrators to automate model synchronizations, speeding efficiency and ensuring consistency

Workspace administrators can use ALM APIs to automate multiple model synchronizations, ensure segregation of duties, and meet compliance across large enterprises. Teams can automate processes and save time by running multiple change deployments in parallel from their system of choice. They can also build extra layers of segregation of duties and implement robust change approval processes. In addition, ALM APIs help easily meet compliance and regulatory audit reviews by retrieving and exporting information as auditable artifacts.

Key characteristics

- Change model status from online/offline to prevent end user access while making changes.
- Create and run a model sync task to automate model change deployments to production.
- Create a revision in a model by scheduling them on a regular cadence and automate the entire process from revision creation to change deployment in test and production environments.
- Get a list of model sync tasks for a target model triggered via API within the past 48 hours, providing more flexibility to monitor and manage synchronizations.
- Security teams can build more robust change management reporting for compliance purposes by using ALM APIs to retrieve: full comparison reports, revisions in a model, and models where a revision has been applied.

The image displays three screenshots of an API client interface, likely Swagger UI or Postman, illustrating the use of ALM APIs for model synchronization.

Top Screenshot: Update Model Online Status
This screenshot shows a PUT request to the endpoint `http://(anaplan-api-url)/2.0/models/(alm-prod-model)/onlineStatus`. The request body is a JSON object: `{ "status": "offline" }`. The interface includes tabs for Params, Authorization, Headers, Body, Pre-request Script, Tests, and Settings. The response area is currently empty.

Middle Screenshot: Get Syncable Revisions
This screenshot shows a GET request to the endpoint `http://(anaplan-api-url)/2.0/models/(alm-prod-model)/alm/syncableRevisions?sourceModelId=(alm-dev-model)`. The response is a JSON array of objects. The first object is expanded to show details:

```
{
  "key": "sourceModelId",
  "value": "(alm-dev-model)",
  "description": ""
}
```

Bottom Screenshot: Create Model Sync Task
This screenshot shows a POST request to the endpoint `http://(anaplan-api-url)/2.0/models/(alm-prod-model)/alm/syncTasks`. The request body is a JSON object with the following structure:

```
{
  "sourceRevisionId": "BF23A378FD2C42858867808188FF6E28",
  "sourceModelId": "(alm-dev-model)",
  "targetRevisionId": "260C85501C046468D93C188A34C43"
}
```

The response is a JSON object with the following structure:

```
{
  "meta": {
    "schema": "http://localhost:8080/anaplan/2.0/objects/taskM1ntr1"
  },
  "status": {
    "code": 201,
    "message": "Created"
  },
  "task": {
    "taskId": "D81786287838481491CC387C0C3A4C83",
    "taskUrl": "http://localhost:8080/anaplan/2.0/models/(alm-prod-model)/alm/syncTasks/D81786287838481491CC387C0C3A4C83",
    "taskState": "IN_PROGRESS",
    "createTime": "1622947395208"
  }
}
```

Do more with ALM in the Anaplan User Experience

The Anaplan User Experience unlocks more flexibility for seamless management of pages and applications. Draft, view, publish pages, and more, all within one unified platform.

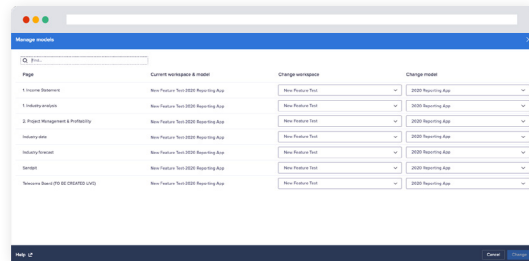
Application management

Duplicate applications

Replicate a complete application including all of its pages. This allows teams to build and test new functionalities to an entire application in a development environment without disrupting the production environment with a potentially risky update.

Change models in bulk

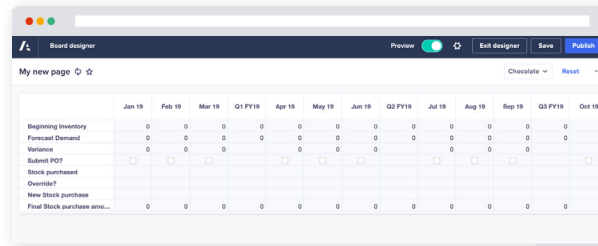
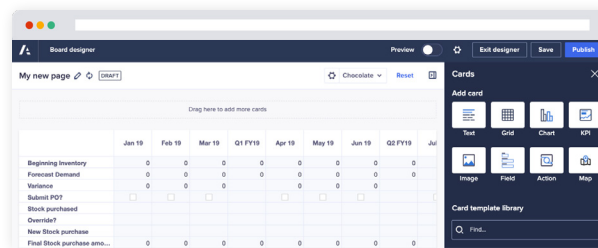
Speed the time it takes to make updates to models with bulk changes. Leverage a single screen to manage and change all model sources page by page in one place.



Draft and preview pages

Page Builders can

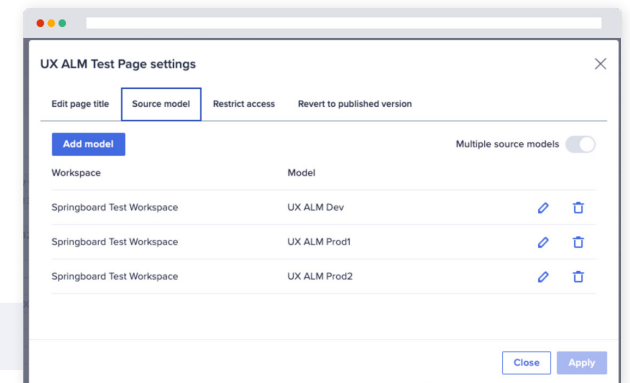
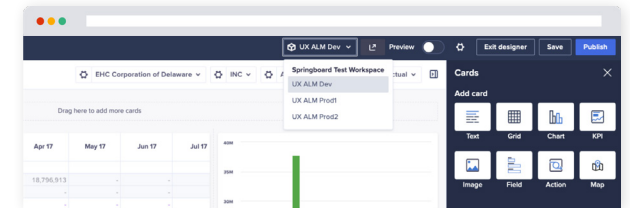
- **Create new draft pages** before publishing them.
- **Edit pages** in development and **save changes as they go**.
- **Preview pages** in design mode to see how they will look and behave once published.
- **Publish pages** to put their drafts or unpublished changes into production.



Associate dev and prod models with a single page

Page Builders with Workspace Administrator rights can

- **Choose between different source models** associated with a page.
- **Associate multiple models with a page** to switch the source model of a page as part of an application lifecycle.
- **Make draft page changes against a development model** and save before publishing to the production model or models.



Key features and capabilities



Enterprise scale

The Anaplan platform connects your entire enterprise, scaling as you grow and handling real-time changes at any size. Calculations stay consistent and rapid for all data sets and any number of users.

Extensibility

The Anaplan platform collects and analyzes data in a single location, enabling both high-level and granular analyses and facilitating data-sharing with all stakeholders. APIs, ETL connectors, and built-in integrations easily communicate with other solutions.

Planning and modeling

Our in-memory Hyperblock® engine enables multi-dimensional scenario modeling with unlimited constraints, allowing companies to model even the most complicated business scenarios and stay ahead of changes in the market. The platform maintains 100% consistency across all model changes.

Engaging user experience

The Anaplan user experience puts the whole enterprise on a single platform. Model-building is intuitive and requires zero coding knowledge. The whole company shares real-time data across devices and solutions, enabling rapid decision-making and unprecedented flexibility.

Security

Robust protection keeps your business's data safe. Best-in-class security and compliance include BYOK, role-based access control, user management, SSO support with SAML 2.0 compliance, and data encryption at rest.

Intelligence

Embedded optimization including Optimizer™, over thirty predictive algorithms, and evolving AI capabilities transform complicated inputs into actionable recommendations. Machine learning intelligence speeds up decision-making across use cases.

About Anaplan

Anaplan (NYSE: PLAN) is a transformative way to see, plan, and run your business. Using our proprietary Hyperblock™ technology, Anaplan lets you contextualize real-time performance, and forecast future outcomes for faster, confident decisions. Connecting strategy and plans to collaborative execution across your organization is required to move business FORWARD today. Based in San Francisco, we have 20 offices globally, 175 partners, and more than 1,700 customers worldwide.

To learn more, visit [Anaplan.com](https://www.anaplan.com)