quickbase

App Builder Customer Network

Application Lifecycle Management (ALM) and Solution APIs

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Agenda

- ALM – Solution APIs and QBL
- Service accounts
- Admin Console Sync
- Feature spotlight – Versioning and Rollback
- Feedback
- Q&A

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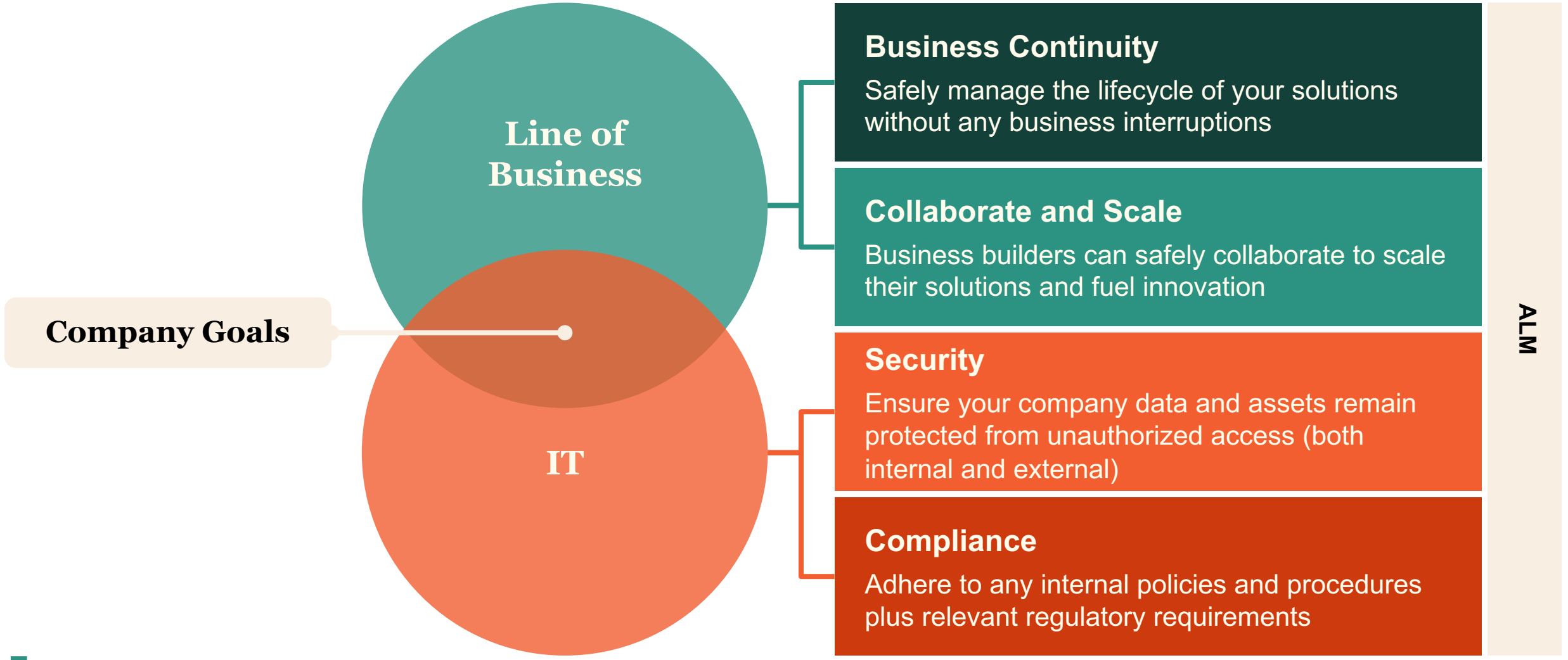
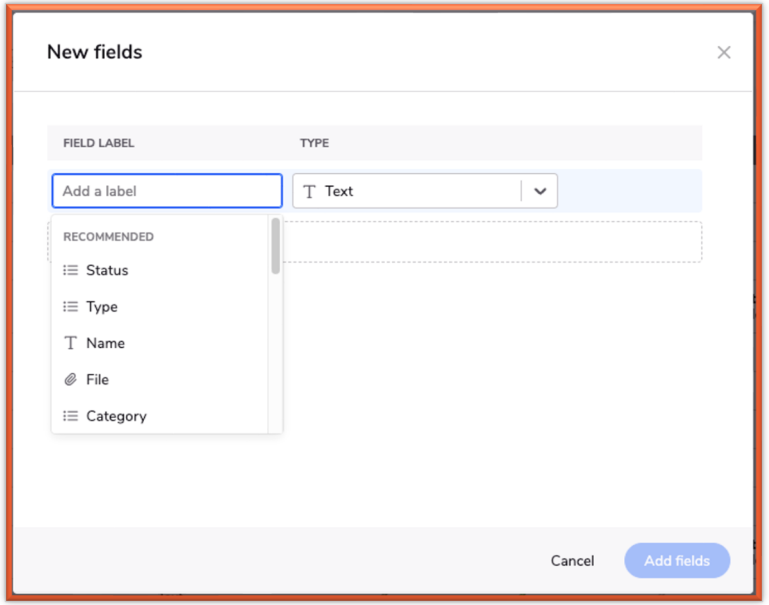
Application Lifecycle Management

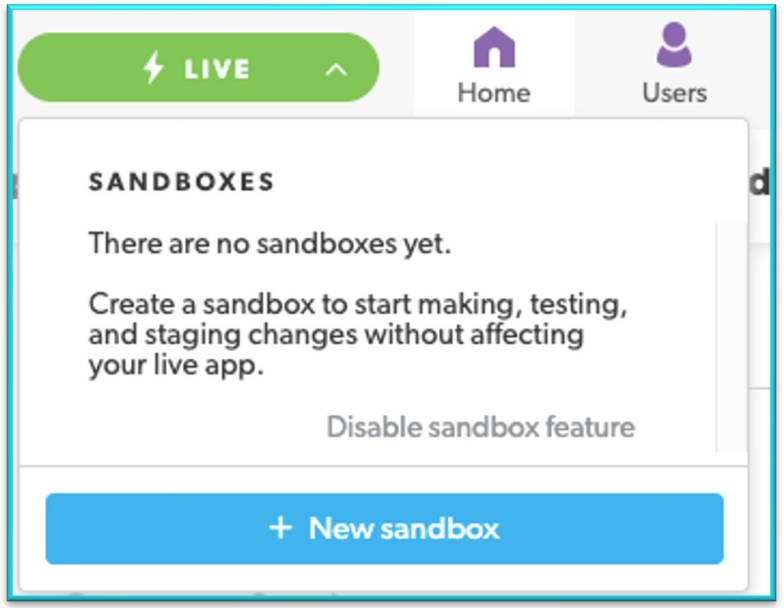
Business builders quickly innovate, safely at scale, while meeting corporate requirements

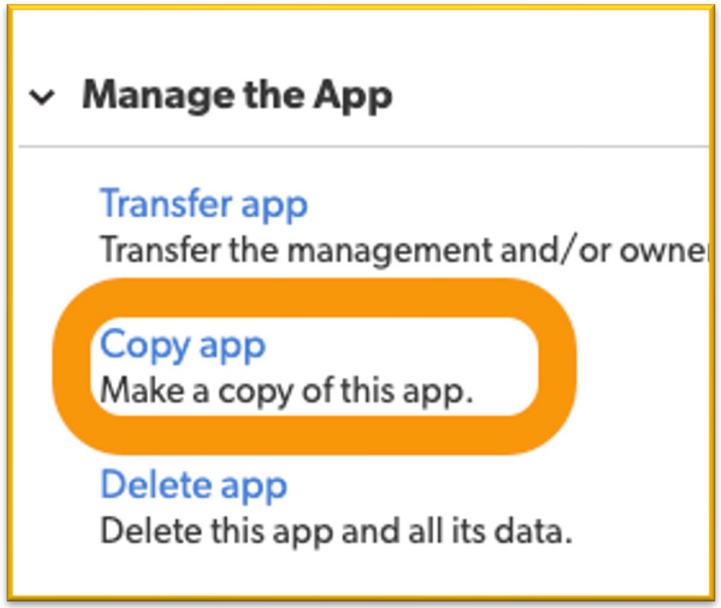


Developing your applications safely

3 main ways to make changes today







Directly in the app
(dangerous)

Create a Sandbox
(limited)

Copy app
(manual)

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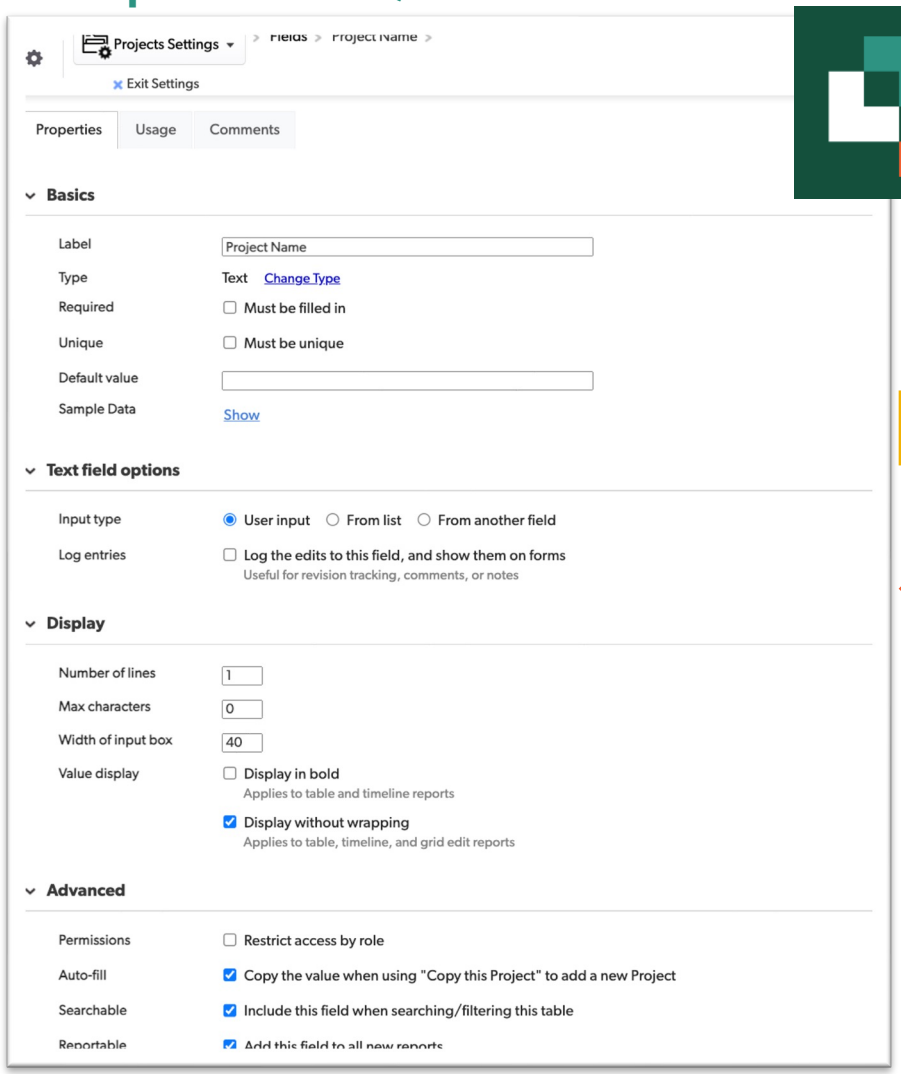
QBL represents the schema of your solution

Manipulate the QBL of solutions via the Solution APIs



Export

Create/Update

Solution APIs

QBL

```
$Field_Project_Name:
            Type: QB::Field::Text
            Id: 16
            Properties:
              DefaultValue:
              MaxLength: 0
              Width: 40
              EditHistory:
                Enable: false
                ExpandedHistory: false
                PrependHistory: false
                UseFullName: true
                IncludeTime: false
                IncludeTimeZone: false
              Label: Project Name
              AllowedInReports: true
              IsSearchable: true
              IsBold: false
              DisplayWithoutWrapping: true
              AddToAllNewReports: true
              InputOptions:
                InputType: UserInput
              IsRequired: false
              IsUnique: false
              HelpText:
              AllowDataCopy: true
```

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Example use case: traditional dev → test → prod setup applied in Quickbase using the Solution APIs and QBL

Use case:

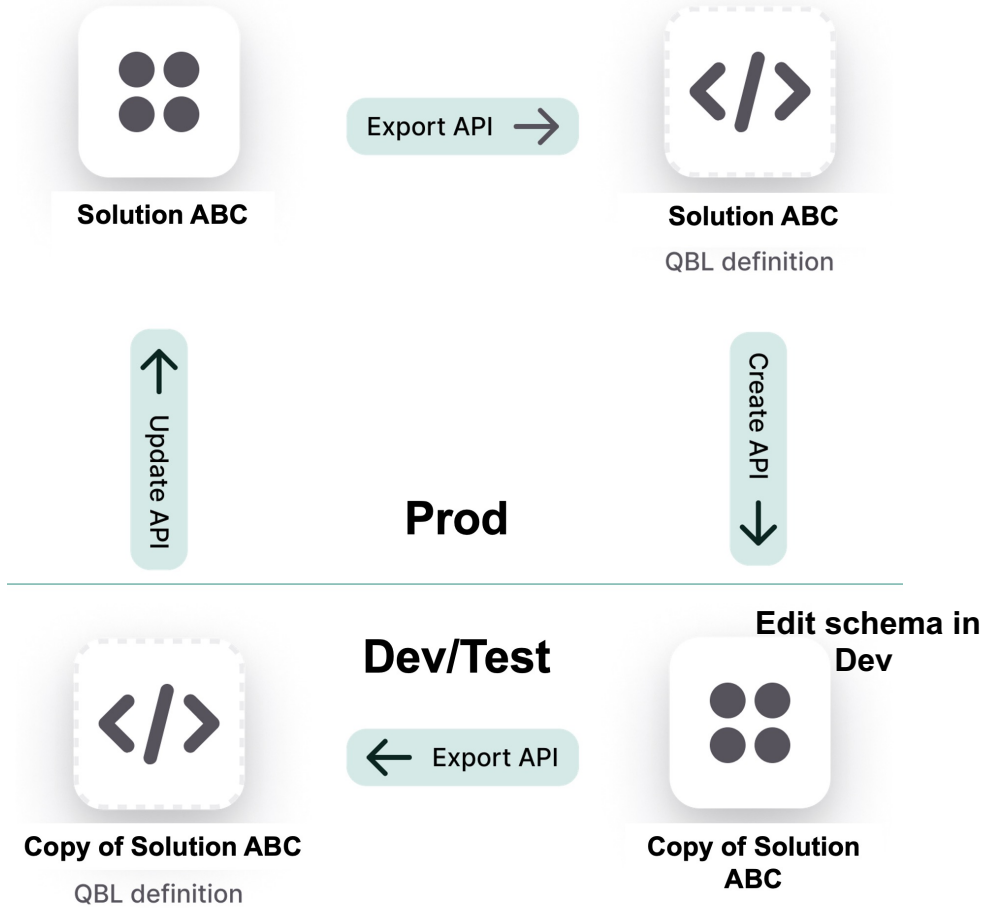
Dev → Test → Prod

Leverage the QBL and the solutions APIs to create a development and testing environment, where builders can safely experiment and test new changes before deploying back to their Live (Prod) apps

QBL Example:

```
Resources:
  PM Central:
    Tables:
      Projects:
        Fields:
          Priority:
            Id: 6
            Type: Qb::Field::Text
            Properties:
              DefaultValue: ''
              MaxLength: 0
              AllowDataCopy: true
              HelpText: ''
              IsBold: false
              DisplayWithoutWrapping: false
              Label: Priority
              IsSearchable: true
              AllowedInReports: true
              IsRequired: false
              IsUnique: false
              EditHistory:
                Enable: false
                PrependHistory: false
                UseFullName: true
                IncludeTime: false
                IncludeTimeZone: false
          Date Created:
            Id: 1
            Type: Qb::Field::DateTime
            Properties:
              ShowTime: true
              ShowTimeZone: false
              ShowMonthAsAlpha: false
              HideCurrentYear: false
              ShowDayOfWeek: false
              IsBold: false
```

Typical flow using the APIs:



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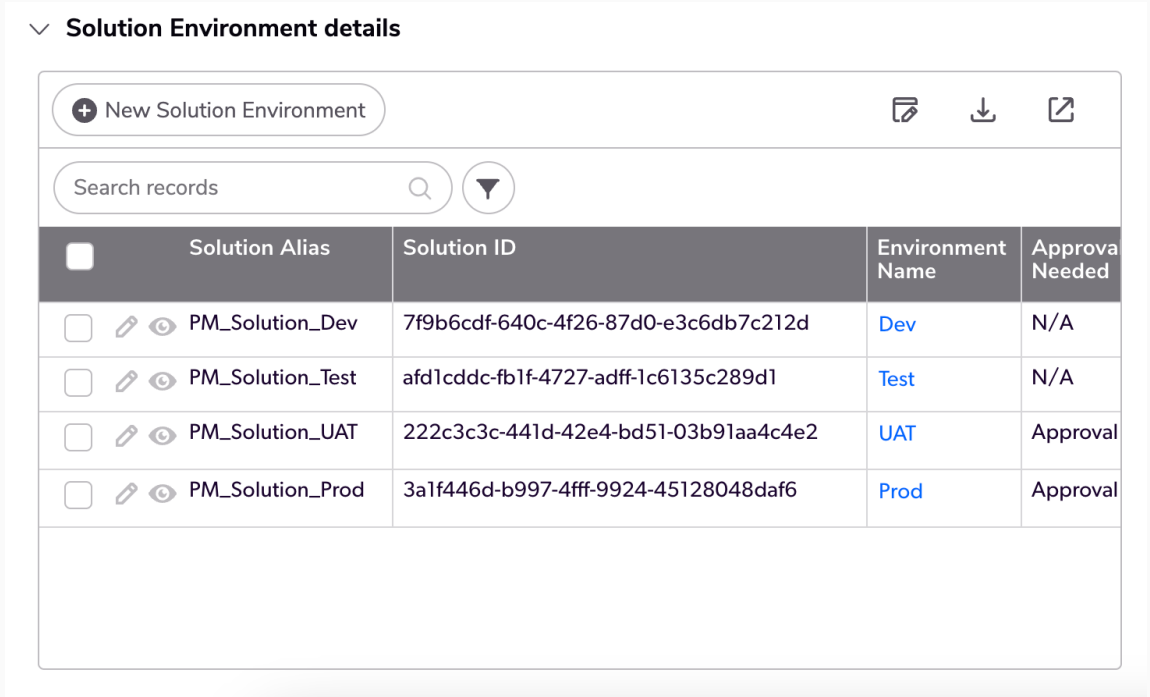
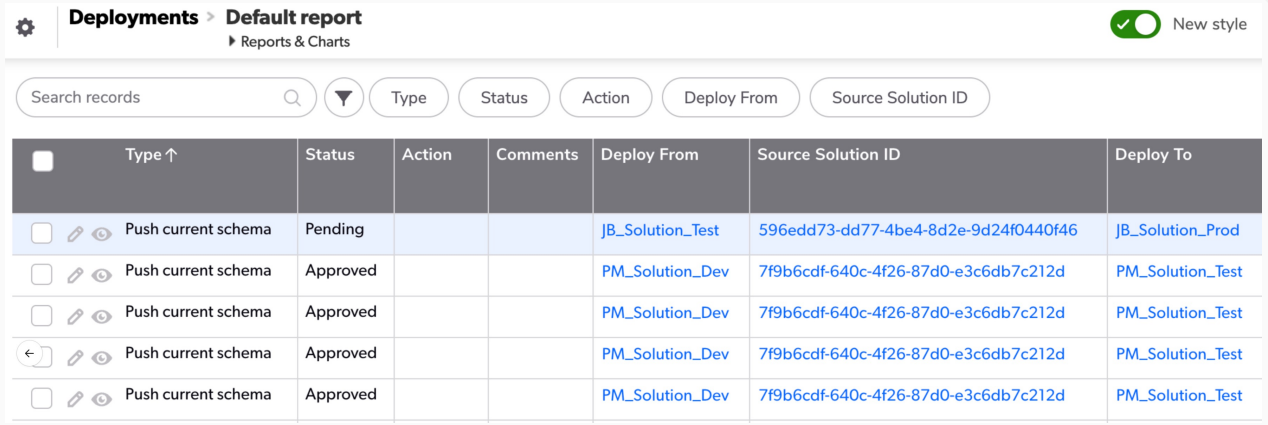
Quickbase ALM App and more schema support

Open up the power of the Solution APIs for business innovators





Resources

Quickbase ALM Unlocked (Empower 2024) – 28 min

Intro to QBL – 5 min

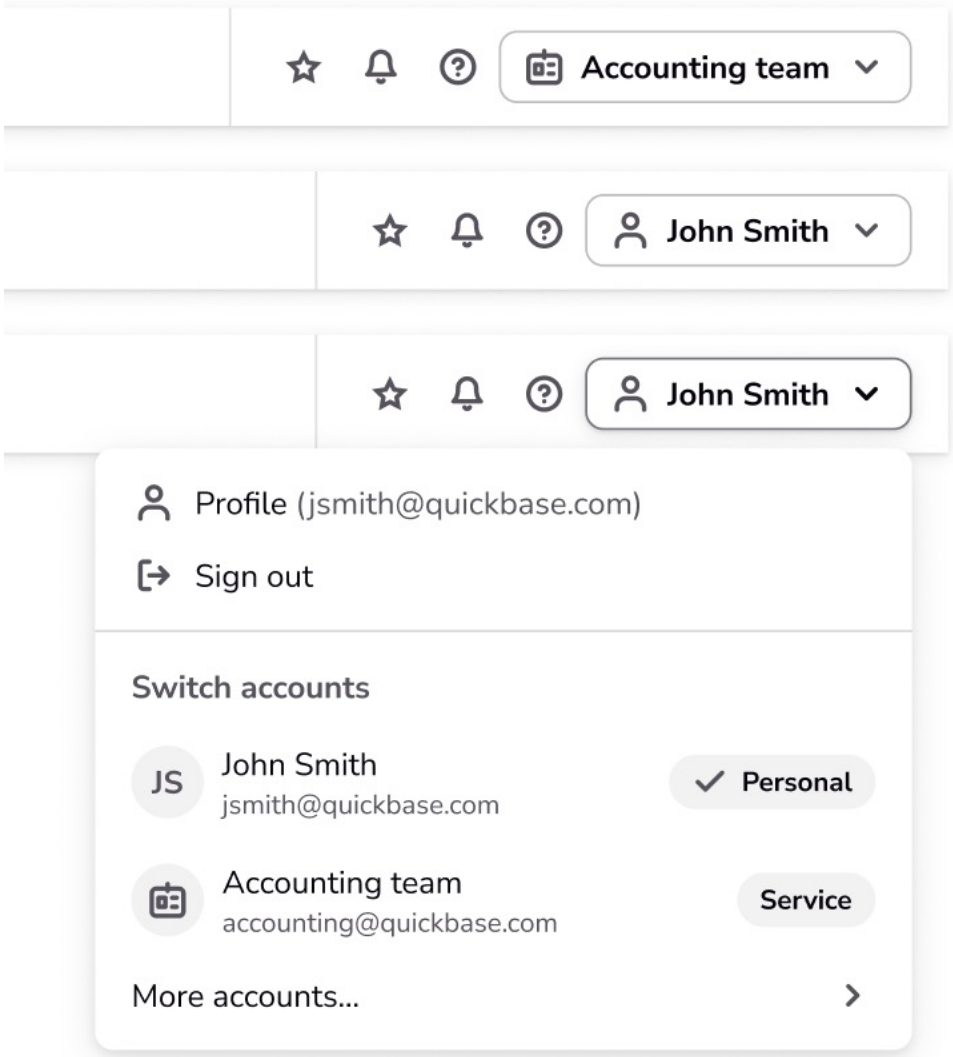
QBL Help Articles

Service Accounts

- **Administration** - Admins control and manage all service accounts and users that have access to them.

- **Ease of use** - Users with access to a service account can switch to it without needing to logout/login or remember the account.

- **Tracking** - Audit logs are not anonymous.



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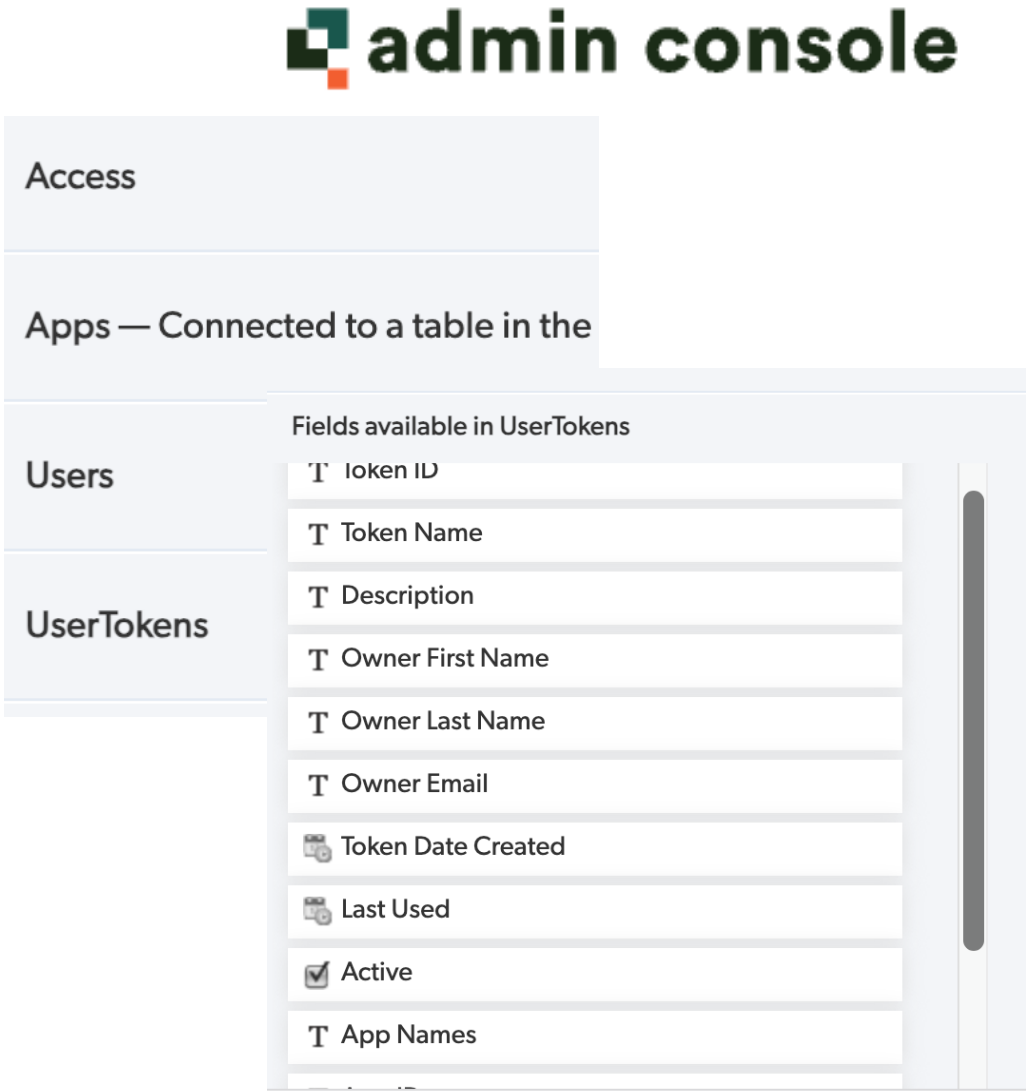
Admin Console Sync

Support for more data sets

Current support include User access, Apps, Users and recently – User Tokens.

We’re looking into the next improvements to allow admins to leverage Quickbase app capabilities to better govern their realms.

- Groups
- Connected Tables
- Pipelines
- Solutions



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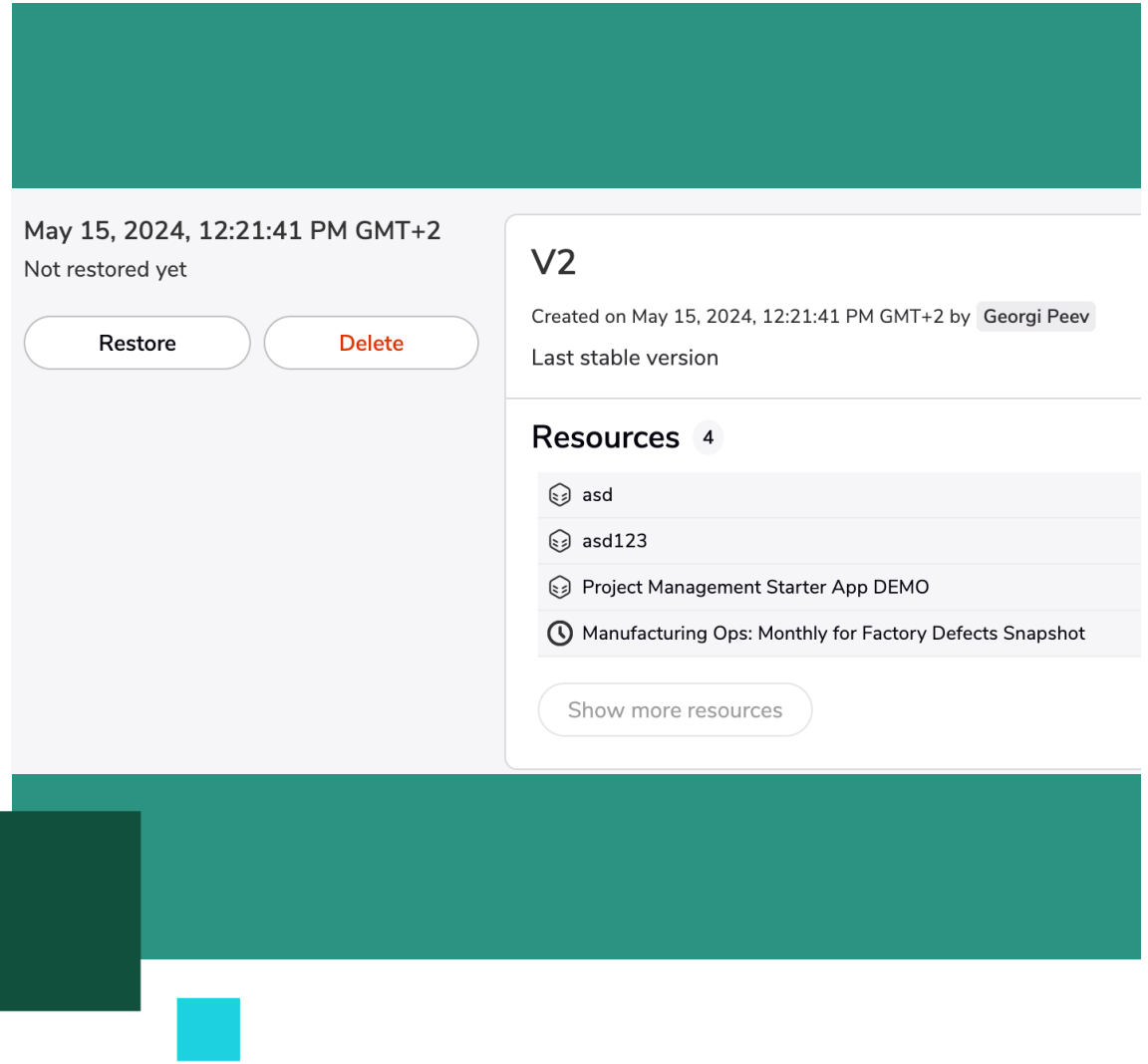
Feature spotlight – Versioning and Rollback

Create versions and roll back your solutions

1. Create a Solution
2. Add apps, pipelines and contributors
3. Create a version
4. Make necessary changes
5. Test
    1. Roll back
    2. Create new version
6. Repeat steps 3 - 5



- **Self-service**
- **For multiple apps and pipelines at once**
- **Does NOT restore data or missing resources**

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Feedback and Q&A

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