



App Builder Customer Network

Application Lifecycle Management (ALM) and Solution APIs

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Agenda

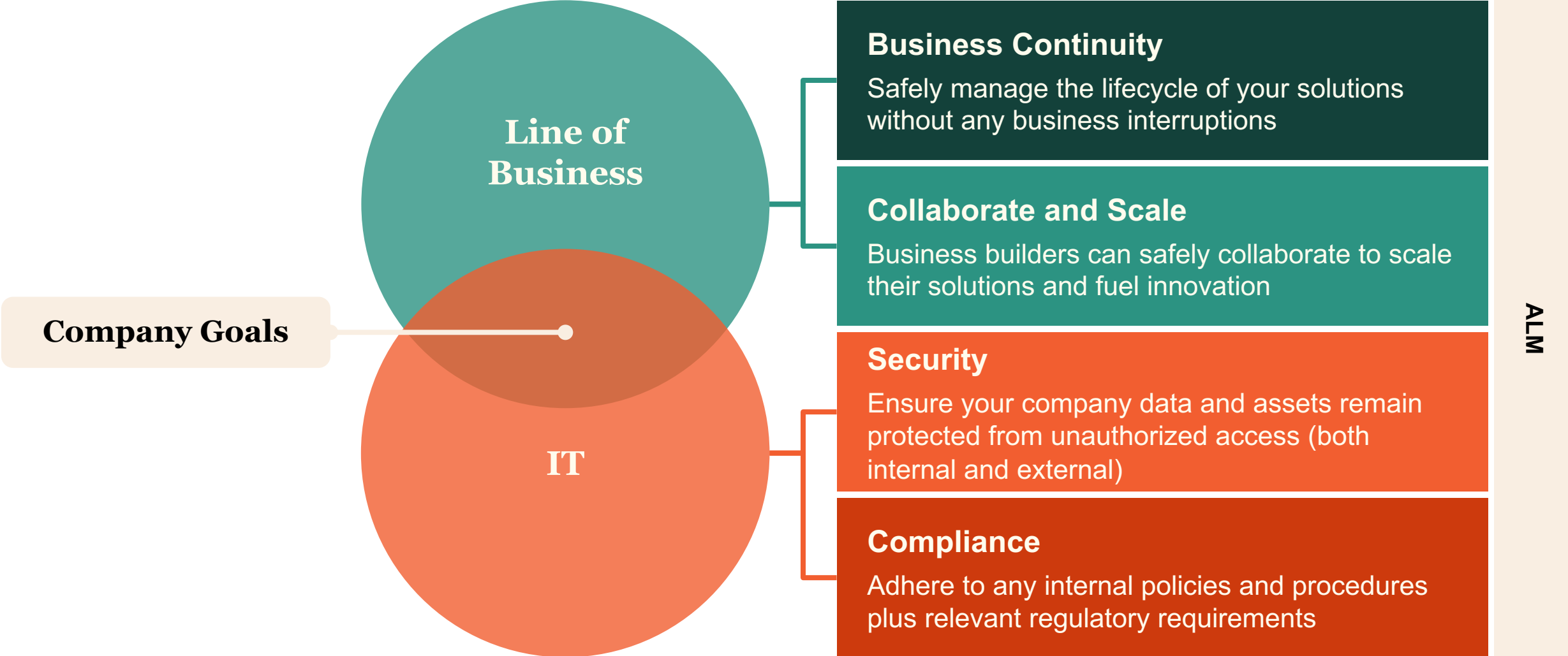


- ALM – Solution APIs and QBL
- Service accounts
- Admin Console Sync
- Feature spotlight – Versioning and Rollback
- Feedback
- Q&A



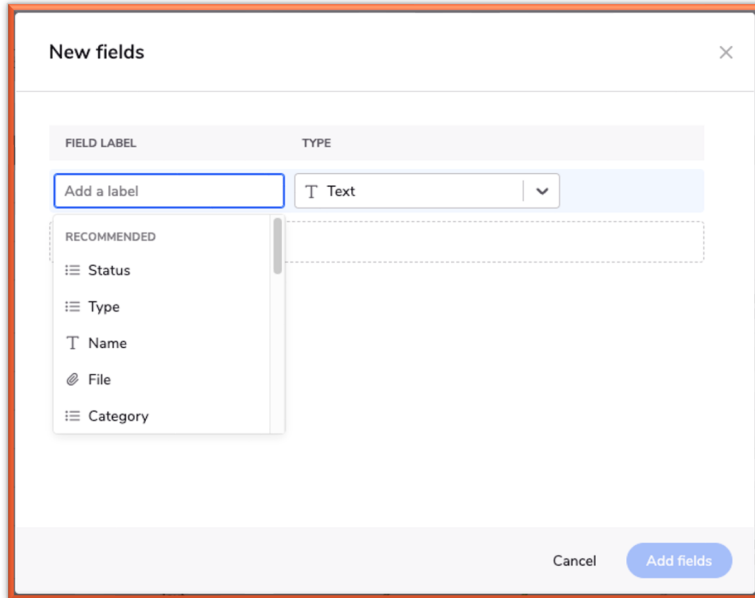
Application Lifecycle Management

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

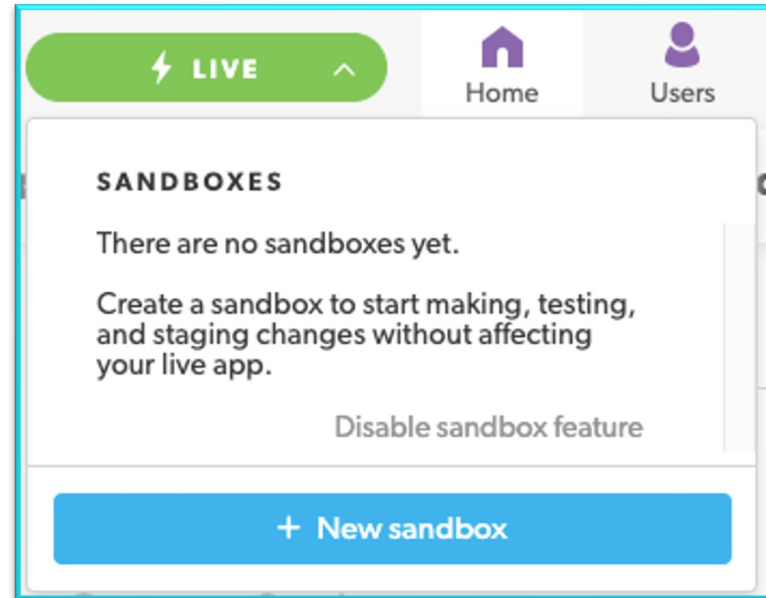


Developing your applications safely

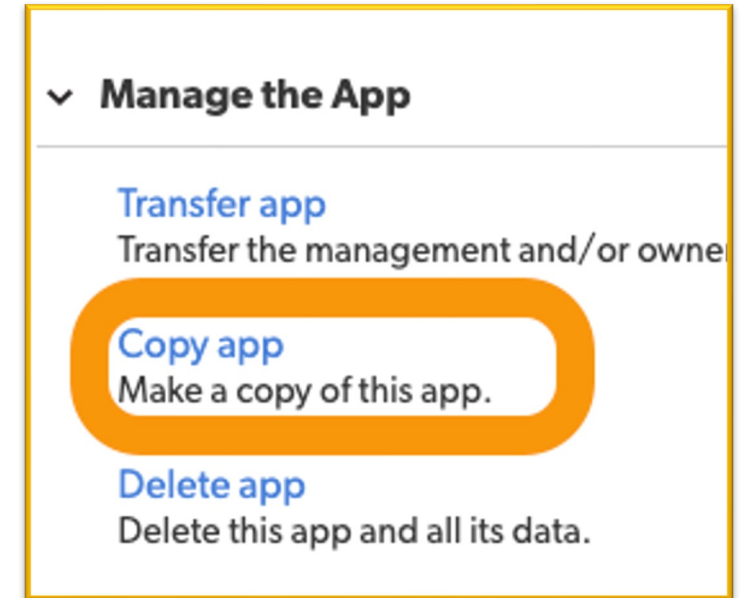
3 main ways to make changes today



Directly in the app
(dangerous)



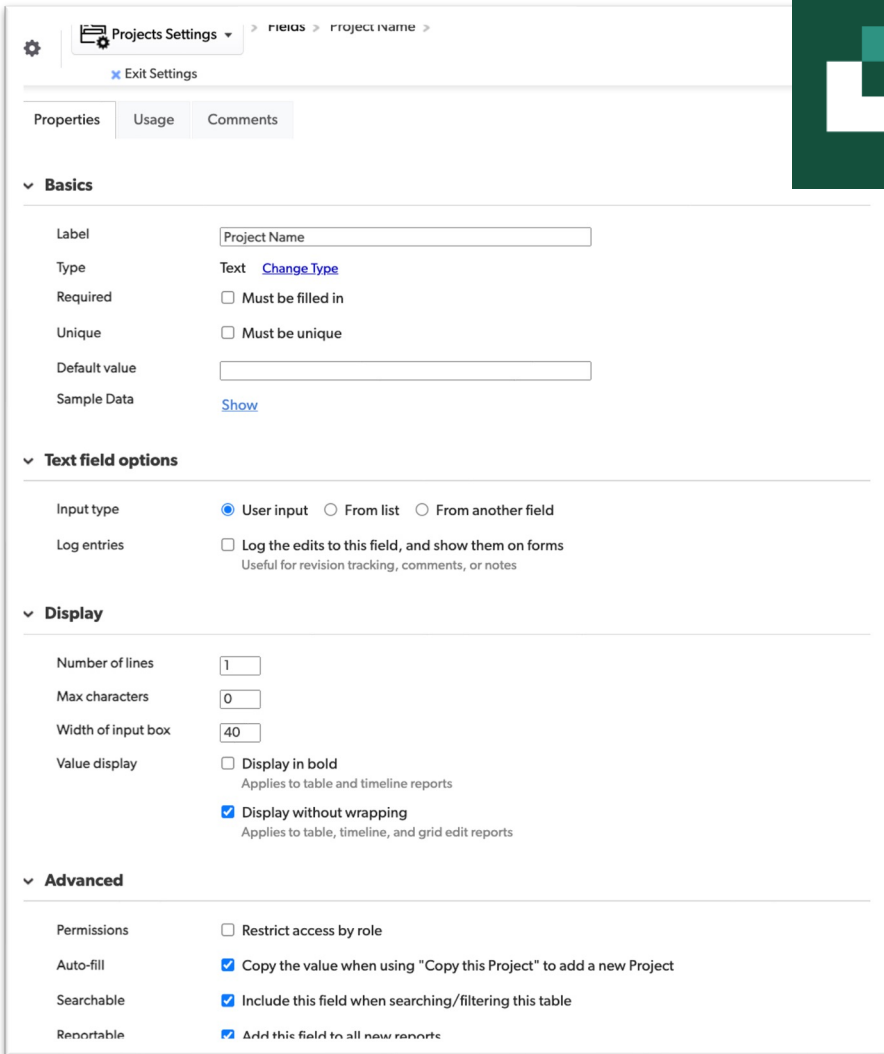
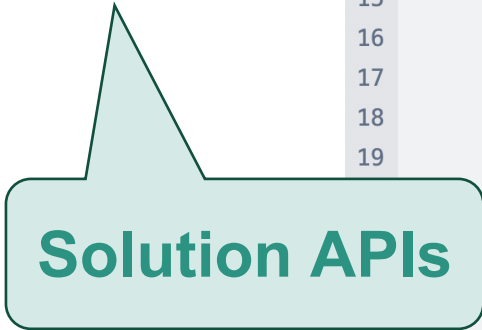
Create a Sandbox
(limited)



Copy app
(manual)

QBL represents the schema of your solution

Manipulate the QBL of solutions via the Solution APIs

A screenshot of the Quickbase Project Settings interface. The "Basics" section is expanded, showing fields for Label (Project Name), Type (Text), Required (checkbox), Unique (checkbox), Default value, and Sample Data. The "Text field options" section shows Input type (User input selected) and Log entries (checkbox). The "Display" section shows Number of lines (1), Max characters (0), Width of input box (40), and Value display options (Display without wrapping selected). The "Advanced" section shows Permissions (checkbox), Auto-fill (checkbox), Searchable (checkbox), and Reportable (checkbox).

```
1 $Field_Project_Name:
2     Type: QB::Field::Text
3     Id: 16
4     Properties:
5         DefaultValue:
6         MaxLength: 0
7         Width: 40
8         EditHistory:
9             Enable: false
10            ExpandedHistory: false
11            PrependHistory: false
12            UseFullName: true
13            IncludeTime: false
14            IncludeTimeZone: false
15            Label: Project Name
16            AllowedInReports: true
17            IsSearchable: true
18            IsBold: false
19            DisplayWithoutWrapping: true
20            AddToAllNewReports: true
21            InputOptions:
22                InputType: UserInput
23            IsRequired: false
24            IsUnique: false
25            HelpText:
26            AllowDataCopy: true
```

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

Use case:

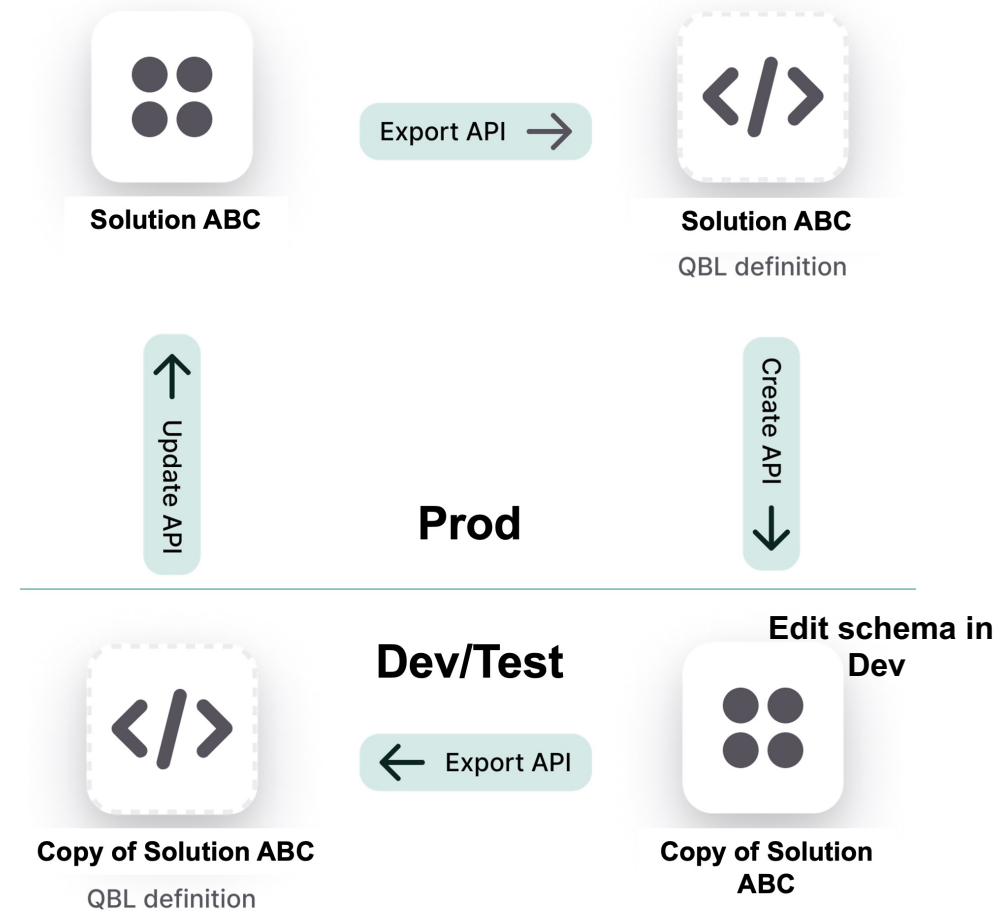
Dev → Test → Prod

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:













Quickbase ALM App and more schema support

Open up the power of the Solution APIs for business innovators



Solution Environment details











[+ New Solution Environment](#)   

Search records  

<input type="checkbox"/>	Solution Alias	Solution ID	Environment Name	Approval Needed
<input type="checkbox"/>	  PM_Solution_Dev	7f9b6cdf-640c-4f26-87d0-e3c6db7c212d	Dev	N/A
<input type="checkbox"/>	  PM_Solution_Test	afd1cddc-fb1f-4727-adff-1c6135c289d1	Test	N/A
<input type="checkbox"/>	  PM_Solution_UAT	222c3c3c-441d-42e4-bd51-03b91aa4c4e2	UAT	Approval
<input type="checkbox"/>	  PM_Solution_Prod	3a1f446d-b997-4fff-9924-45128048daf6	Prod	Approval

Deployments > **Default report** New style
▶ Reports & Charts

Search records   Type Status Action Deploy From Source Solution ID

<input type="checkbox"/>	Type ↑	Status	Action	Comments	Deploy From	Source Solution ID	Deploy To
<input type="checkbox"/>	  Push current schema	Pending			JB_Solution_Test	596edd73-dd77-4be4-8d2e-9d24f0440f46	JB_Solution_Prod
<input type="checkbox"/>	  Push current schema	Approved			PM_Solution_Dev	7f9b6cdf-640c-4f26-87d0-e3c6db7c212d	PM_Solution_Test
<input type="checkbox"/>	  Push current schema	Approved			PM_Solution_Dev	7f9b6cdf-640c-4f26-87d0-e3c6db7c212d	PM_Solution_Test
<input checked="" type="checkbox"/>	  Push current schema	Approved			PM_Solution_Dev	7f9b6cdf-640c-4f26-87d0-e3c6db7c212d	PM_Solution_Test
<input type="checkbox"/>	  Push current schema	Approved			PM_Solution_Dev	7f9b6cdf-640c-4f26-87d0-e3c6db7c212d	PM_Solution_Test

Deployments > **Deployment #11** [+ New Deployment](#)
▶ Reports & Charts

Type * Push current schema Status Approved

Deploy From PM_Solution_Dev Source Solution ID 7f9b6cdf-640c-4f26-87d0-e3c6db7c212d

Deploy To PM_Solution_Test Target Solution ID afd1cddc-fb1f-4727-adff-1c6135c289d1

Comments



Resources



[Quickbase ALM Unlocked \(Empower 2024\) – 28 min](#)



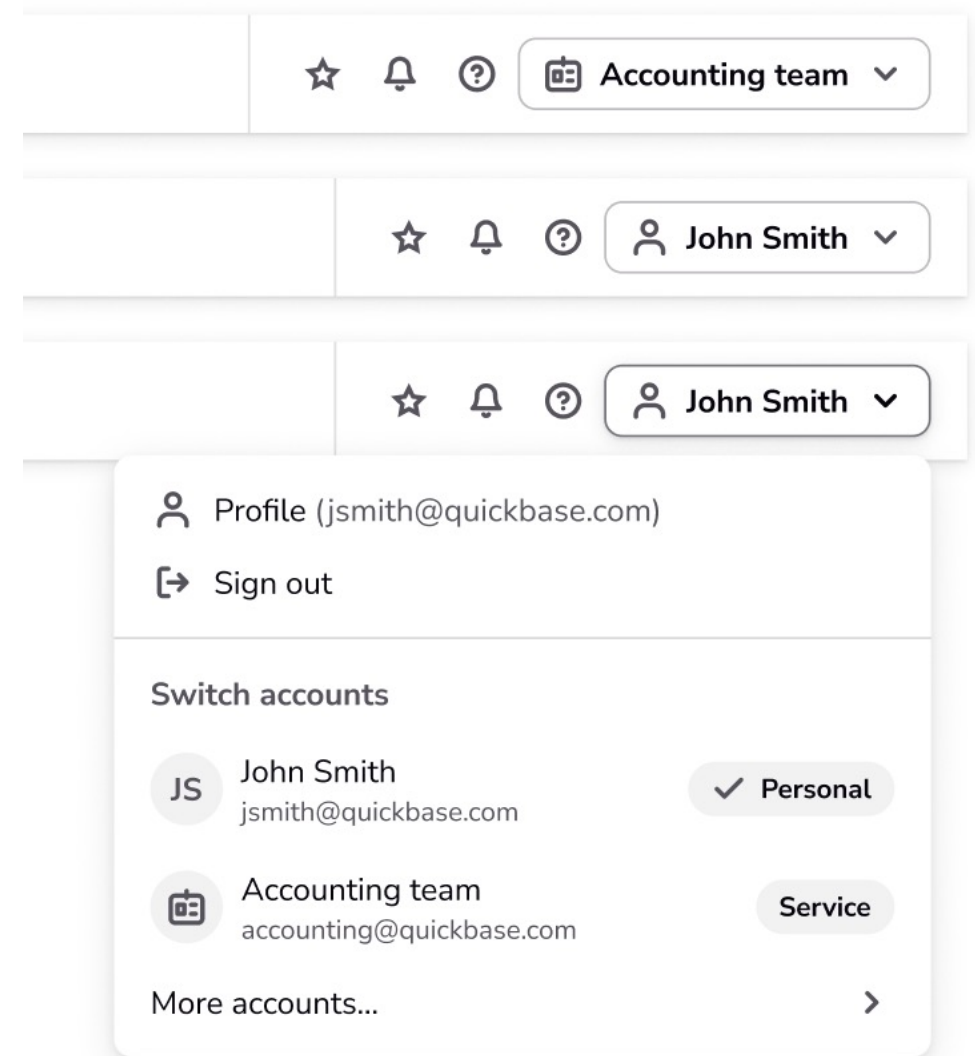
[Intro to QBL – 5 min](#)



[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.



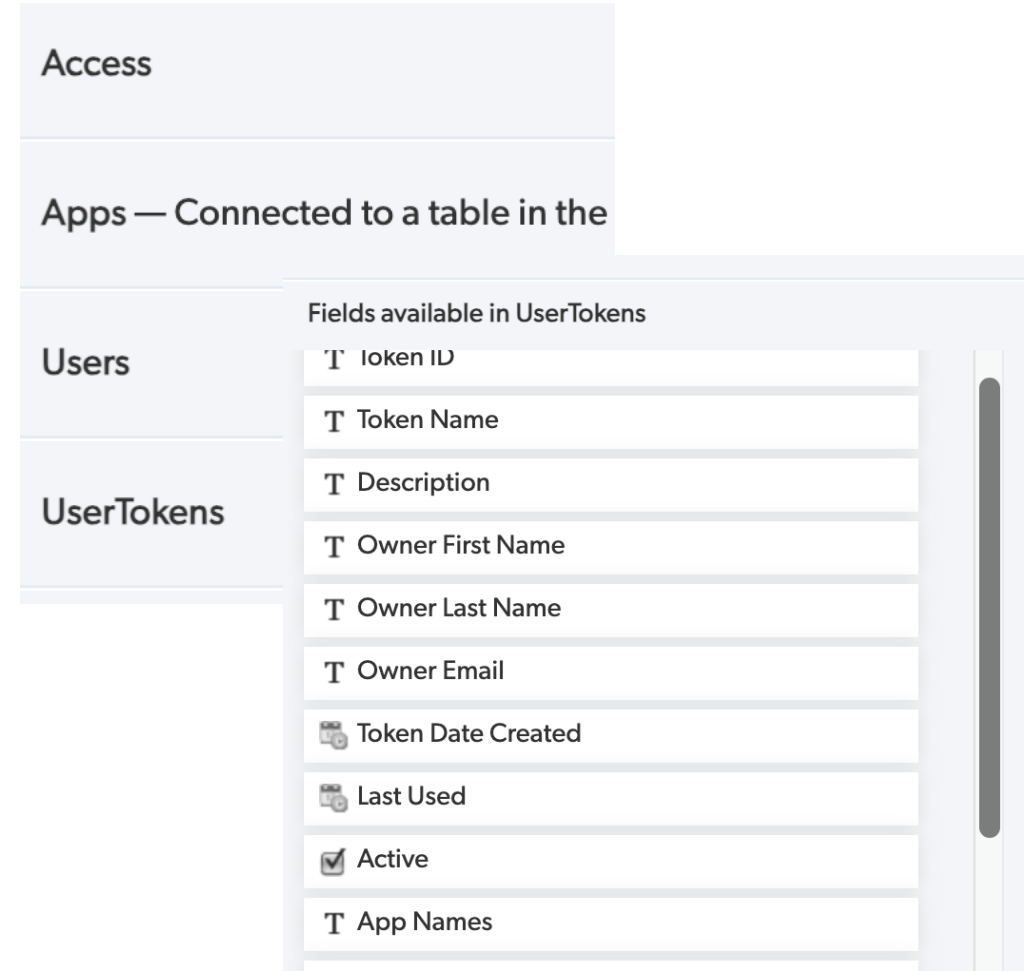
Admin Console Sync

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.

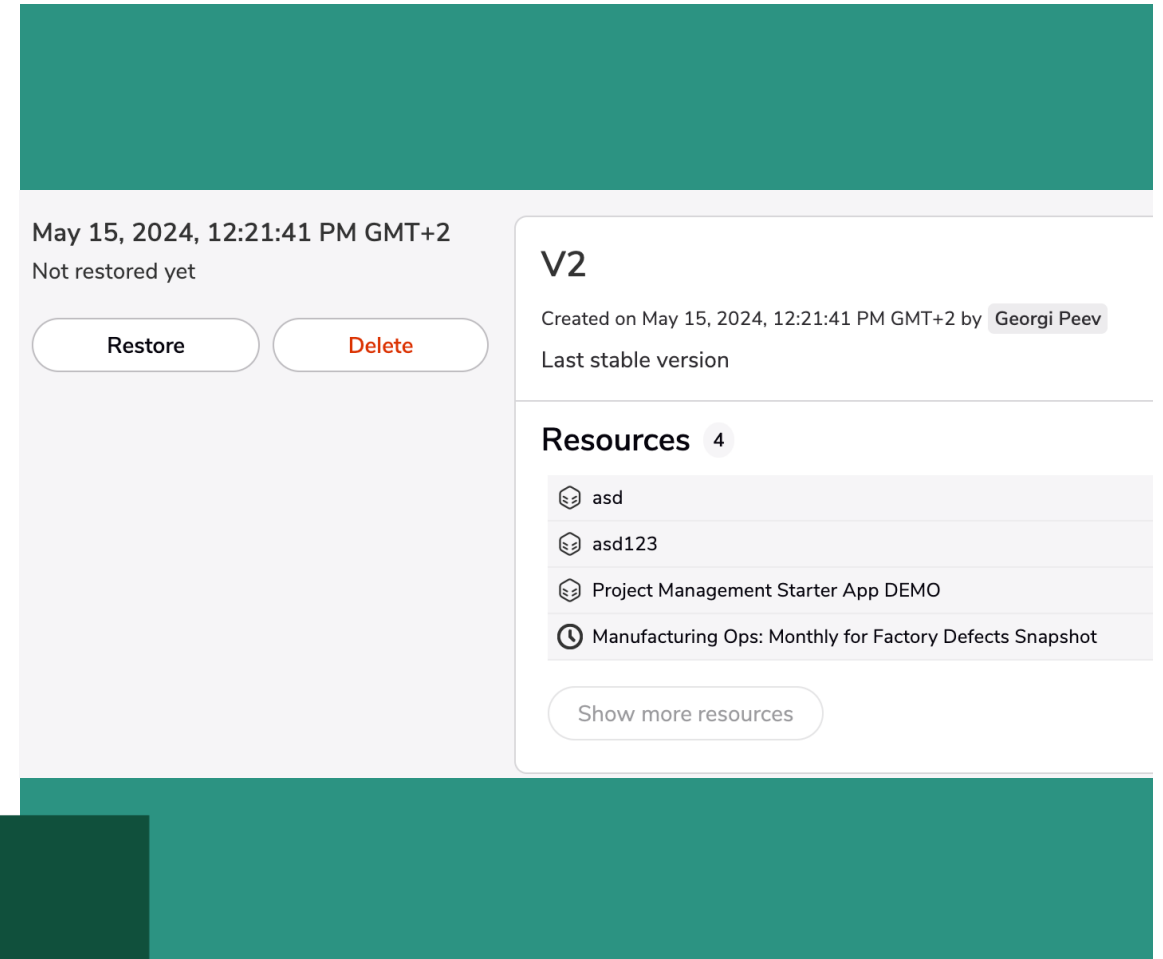
- Groups
- Connected Tables
- Pipelines
- Solutions



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**



Feedback and Q&A



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