



## Account Management Database

**USERS**

PK id  
first\_name  
last\_name  
email\_address  
isSuperuser (bool)

**ACCOUNTS**

PK id  
name (UNIQUE)  
description  
icon (base64)  
enabled (bool)

**ACCOUNT ROLES**

PK id  
name (UNIQUE)

**DASHBOARD**

PK id  
name (UNIQUE?)  
config (blob)

**XREF ACCOUNT DASHBOARDS**

FK account\_id  
FK dashboard\_id

**XREF USER ACCOUNT ROLES**

FK user\_id  
FK account\_id  
FK account\_role\_id  
invitationAccepted (bool)

**XREF USER ACCOUNT INVITATIONS**

FK user\_id  
FK account\_id  
invitation\_accepted (BOOL)

# API

## Account Management API

USERS		
Route	Method	Description
/api/login	POST	Log in as a specific user
/api/logout	GET	Log out
/api/authorize	GET	Passport-driven authorization
/api/resetPassword	POST	<i>Is this even necessary? Probably not</i>
/api/users	POST	Add user
/api/users	GET	Gets list of all users
/api/users/<id>	GET	Gets a specific user
/api/users/me	GET	Gets yourself
/api/users/<id>	PUT	Update a specific user
/api/users/<id>	DELETE	Delete a specific user

ACCOUNTS		
Route	Method	Description
/api/accounts	POST	Add an account
/api/accounts	GET	Gets list of all accounts
/api/accounts/<id>	GET	Gets a specific account
/api/accounts/<id>	PUT	Update a specific account. Can disable an account in this way
/api/accounts/<id>	DELETE	Delete a specific account
/api/accounts/inviteUser	PUT	Invites a user to join an account. Updates the account.

DASHBOARDS		
Route	Method	Description
/api/dashboards	POST	Create a dashboard
/api/accounts/<id>/dashboards	GET	Gets list of all dashboards in an account
/api/dashboards/<id>	GET	Gets a specific dashboard
/api/dashboards/<id>	PUT	Update a specific dashboard.
/api/dashboards/<id>/publish	PUT	Updates the "published" setting of a dashboard (convenience)
/api/dashboards/<id>/unpublish	PUT	Updates the "published" setting of a dashboard (convenience)
/api/dashboards/<id>	DELETE	Delete a specific dashboard

OPTIONAL ENDPOINTS		
Route	Method	Description
/api/users/<id>/accounts	GET	Gets a list of accounts belonging to a specific user. This information is also included in /api/users/<id>
/api/users/me/accounts	GET	Gets a list of accounts belonging to the logged-in user. Same as above.
/api/accounts/<id>/users	GET	Gets a list of users on a specific account. This information is also included in /api/accounts/<id>

# Login

## Login

Username

Password

[Forgot Password](#)

[Log In](#)

[CLICK HERE FOR THE INVITE-ACCEPTANCE FLOW](#)

## Accept Invite - STEP 1

Accept Invite

Robert, you have been invited to join. Please confirm your email address

email

Continue

It's possible that following a link + OpenID auth will provide all the details we need, where we can be done in a single step.

## Accept Invite - STEP 2

Accept Invite

Please authenticate yourself (OpenID)

Continue

## Accept Invite - STEP 3

### Accept Invite

Please provide the following details

First Name

Last Name

Complete Registration

Settings

Dashboard Accounts

User Accounts

## Settings

You are an account admin on DA #1, DA #2,  
and DA#3.

You are an analyst on DA#4.

You are a member of DA #5.

### Personal Settings

On this page, we're going to let the user change password, name, username, etc.

Settings

Dashboard Accounts

User Accounts

# Dashboard Accounts

Icon	Name	Description	Admin(s)	Users	
img	DA #1	My first dashboard account	Richard	EDIT USERS	EDIT DISABLE
img	DA #2	Alexei's first dashboard account	Alexei	EDIT USERS	EDIT DISABLE
img	DA #3	A 2-admin dashboard account	Alexei Richard	EDIT USERS	EDIT PURGE

☒ Show Disabled Accounts

Purge All Disabled Accounts

Create Account

This diagram currently assumes two states: soft-deleted and hard-deleted. If "disabled" is to be used more frequently/freely, then I'd make an adjustment here.



[Settings](#)[Dashboard Accounts](#)[User Accounts](#)

# Dashboard Accounts

Icon	Name	Description	Admin(s)	Users	
img	DA #1	My first dashboard account	Richard	<a href="#">EDIT USERS</a>	<a href="#">EDIT</a> <a href="#">DISABLE</a>
img	DA #2	Alexei's first dashboard account	Alexei	<a href="#">EDIT USERS</a>	<a href="#">EDIT</a> <a href="#">DISABLE</a>

☐ [Show Disabled Accounts](#)[Purge All Disabled Accounts](#)[Create Account](#)

# Dashboard Accounts

Icon	Name	Description	Admin(s)	Users	
img	DA #1	My first dashboard account	Richard	<input type="button" value="EDIT USERS"/>	<input type="button" value="EDIT"/> <input type="button" value="DISABLE"/>
img	DA #2	Alexei's first dashboard account	Alexei	<input type="button" value="EDIT USERS"/>	<input type="button" value="EDIT"/> <input type="button" value="DISABLE"/>
img	DA #3	A 2-admin dashboard account	Alexei Richard	<input type="button" value="EDIT USERS"/>	<input type="button" value="EDIT"/> <input type="button" value="PURGE"/>

☒ Show Disabled Accounts

## Users for Dashboard DA #1

	Name	Username	Role
<input type="checkbox"/>	Richard Plotkin	rplotkin	<input type="text" value="Member"/>
<input checked="" type="checkbox"/>	Alexei Ledenev	aledenev	<input type="text" value="Account Admin"/>
<input checked="" type="checkbox"/>	Robert Walko {pending}	rwalko	<input type="text" value="Analyst"/>

The implication here, with the "pending" account, is that invited users can be set up with accounts prior to account confirmation, so that things **just work** as soon as the account is confirmed. An alternate implementation would be to separate these steps, such that a user cannot be assigned to an account until the user is confirmed.

[Admin Home](#)[Dashboard Accounts](#)[User Accounts](#)

# Dashboard Accounts

Icon	Name	Description	Admin(s)	Users	
img	DA #1	My first dashboard account	Richard	<a href="#">EDIT USERS</a>	<a href="#">EDIT</a> <a href="#">DISABLE</a>
img	DA #2	Alexei's first dashboard account	Alexei	<a href="#">EDIT USERS</a>	<a href="#">EDIT</a> <a href="#">DISABLE</a>
img	DA #3	A 2-admin dashboard account	Alexei Richard	<a href="#">EDIT USERS</a>	<a href="#">EDIT</a> <a href="#">PURGE</a>

☒ [Show Disabled Accounts](#)[Purge All Disabled Accounts](#)[Create Account](#)

Edit Account

Name

Description

Icon

Admins

	Name	Username
<input type="checkbox"/>	Richard Plotkin	rplotkin
<input checked="" type="checkbox"/>	Alexei Ledenev	aledenev

[Cancel](#)[Save Changes](#)

[Admin Home](#)[Dashboard Accounts](#)[User Accounts](#)

# Dashboard Accounts

Icon	Name	Description	Admin(s)		
img	DA #1	My first dashboard account	Richard	EDIT	X
img	DA #2	Alexei's first dashboard account	Alexei	EDIT	X
img	DA #3	A 2-admin dashboard account	Alexei Richard	EDIT	X

[Create Account](#)

## Create Account

Name

Description

Icon

Admins

	Name	Username
<input type="checkbox"/>	Richard Plotkin	rplotkin
<input checked="" type="checkbox"/>	Alexei Ledenev	aledenev

[Create](#)

[Admin Home](#)[Dashboard Accounts](#)[User Accounts](#)

# Dashboard Accounts

Icon	Name	Description	Admin(s)		
img	DA #1	My first dashboard account	Richard	EDIT	X
img	DA #2	Alexei's first dashboard account	Alexei	EDIT	X
img	DA #3	A 2-admin dashboard account	Alexei Richard	EDIT	X

[Create Account](#)

Disable Account

Are you sure you want to disable the dashboard account DA #3?

[No](#)[DISABLE IT](#)

[Admin Home](#)[Dashboard Accounts](#)[User Accounts](#)

# Dashboard Accounts

Icon	Name	Description	Admin(s)		
img	DA #1	My first dashboard account	Richard	EDIT	X
img	DA #2	Alexei's first dashboard account	Alexei	EDIT	X
img	DA #3	A 2-admin dashboard account	Alexei Richard	EDIT	X

[Create Account](#)**Delete Account**

Are you sure you want to permanently delete the dashboard account DA #3?

[No](#)[PERMANENTLY DELETE](#)

[Admin Home](#)[Dashboard Accounts](#)[User Accounts](#)

# Dashboard Accounts

Icon	Name	Description	Admin(s)		
img	DA #1	My first dashboard account	Richard	EDIT	X
img	DA #2	Alexei's first dashboard account	Alexei	EDIT	X
img	DA #3	A 2-admin dashboard account	Alexei Richard	EDIT	X

[Create Account](#)

## Purge All Disabled Accounts

Are you sure you want to permanently delete **ALL** disabled dashboard accounts?

- DA #2
- DA #3

[No](#)[PERMANENTLY DELETE](#)

Settings

Dashboard Accounts

User Accounts

# User Accounts

First Name ▾	Last Name ▾	email ▾	Permissions/Status ▾	Dashboards	
Richard	Plotkin	richard.plotkin@toptal.com	user manager	EDIT DASHBOARDS	EDIT DISABLE
Alexei	Ledenev	alexei.ledenev@hpe.com	superuser	EDIT DASHBOARDS	EDIT DISABLE
		robert.walko@fake.com	{pending}	EDIT DASHBOARDS	CANCEL INVITE

☒ Show Disabled Accounts☒ Show Pending Accounts

Purge All Disabled Accounts

Create Account

If we anticipate a lot of users, or a lot of pending users, then separating the pending users into a different list might be a good option, or allowing a different set of toggles on this list.



[Settings](#)[Dashboard Accounts](#)[User Accounts](#)

# User Accounts

First Name ▾	Last Name ▾	email ▾	Permissions/Status	Dashboards	
Richard	Plotkin	richard.plotkin@toptal.com	user manager	<a href="#">EDIT DASHBOARDS</a>	<a href="#">EDIT</a> <a href="#">DISABLE</a>
Alexei	Ledenev	alexei.ledenev@hpe.com	superuser	<a href="#">EDIT DASHBOARDS</a>	<a href="#">EDIT</a> <a href="#">DISABLE</a>

☒ Show Disabled Accounts☐ Show Pending Accounts[Purge All Disabled Accounts](#)[Create Account](#)

Settings

Dashboard Accounts

User Accounts

# User Accounts

First Name ▾	Last Name ▾	email ▾	Permissions/Status ▾	Dashboards		
Richard	Plotkin	richard.plotkin@toptal.com	user manager	EDIT DASHBOARDS	EDIT	DISABLE
Alexei	Ledenev	alexei.ledenev@hpe.com	superuser	EDIT DASHBOARDS	EDIT	DISABLE
Robert	Walko	robert.walko@fake.com	{pending}	EDIT DASHBOARDS	EDIT	DISABLE

☒ Show Disabled Accounts ☒ Show Pending Accounts

Purge All Disabled Accounts

Create Account

Assign User Dashboards

## Dashboards for Richard Plotkin

	Name ▾	Description ▾	Role ▾
<input type="checkbox"/>	DA #1	An awesome dashboard	Member ▾
<input checked="" type="checkbox"/>	DA #2	Awesomer	Account Admin ▾
<input checked="" type="checkbox"/>	DA #3	The awesomest dashboard	Analyst ▾

Cancel

Save Changes

Settings

Dashboard Accounts

User Accounts

# User Accounts

First Name ▾	Last Name ▾	email ▾	Permissions/Status ▾	Dashboards		
Richard	Plotkin	richard.plotkin@toptal.com	user manager	EDIT DASHBOARDS	EDIT	DISABLE
Alexei	Ledenev	alexei.ledenev@hpe.com	superuser	EDIT DASHBOARDS	EDIT	DISABLE
Robert	Walko	robert.walko@fake.com	{pending}	EDIT DASHBOARDS	EDIT	DISABLE

☒ Show Disabled Accounts☒ Show Pending Accounts

Purge All Disabled Accounts

Create Account

Create/Invite User

Email 

Invite

Settings

Dashboard Accounts

User Accounts

# User Accounts

First Name ▾	Last Name ▾	email ▾	Permissions/Status	Dashboards		
Richard	Plotkin	richard.plotkin@toptal.com	user manager	EDIT DASHBOARDS	EDIT	DISABLE
Alexei	Ledenev	alexei.ledenev@hpe.com	superuser	EDIT DASHBOARDS	EDIT	DISABLE
Robert	Walko	robert.walko@fake.com	{pending}	EDIT DASHBOARDS	EDIT	DISABLE

☒ Show Disabled Accounts☒ Show Pending Accounts

Purge All Disabled Accounts

Create Account

Cancel Invite

Are you sure you want to disinvite robert.walko@fake.com?

Cancel

Disinvite

Settings

Dashboard Accounts

User Accounts

# User Accounts

First Name ▾	Last Name ▾	email ▾	Permissions/Status	Dashboards		
Richard	Plotkin	richard.plotkin@toptal.com	user manager	EDIT DASHBOARDS	EDIT	DISABLE
Alexei	Ledenev	alexei.ledenev@hpe.com	superuser	EDIT DASHBOARDS	EDIT	DISABLE
Robert	Walko	robert.walko@fake.com	{pending}	EDIT DASHBOARDS	EDIT	DISABLE

☒ Show Disabled Accounts☒ Show Pending Accounts

Purge All Disabled Accounts

Create Account

## Edit User

First Name Last Name Email 

- ☒ Basic User  
☐ User Manager  
☐ Superuser

Cancel

Save