

How to demo the Qlik Sense SaaS demo platform

Friday, September 30, 2016 10:30 AM

Goal: This instruction should guide the user through the saasdemo.qlik.com demo site. Other key assets to learn the concept and help you use the demo are

- [Introduction to the concept](#)
- [How to demo video](#) (no audio, and basically the same as this manual)

There are multiple use cases you can focus on:

- The multi-tenant app generation
- The single sign on process
- The web integration part
- The layered approach to self service by using the group of the user (consumer, contributor, developer, admin)
- The row level security using the country group of the user.

Multi-tenant app generation

Go to <http://saasdemo.qlik.com>. Please study all the text and videos on this page. This ensures you get a good understanding of the concept and our approach. The goal is to share a common approach for implementing Qlik Sense. We try to keep things as simple as possible. If you use this approach it prevent that things get to complicated to fast to understand the basic concept of software integration. This demo site just presents an easy way to solve 80% of OEM use cases.

In the top we explain the concept, and you can press the green button to go to the demo.

Login into the site, just create a new user. With any email and password combination. (**not** linked to your qlik.com account)

Why? If you login you will get a fresh environment, if all users use demo@qlik.com people will remove/edit each other's work... So basically the demo site is a multi-user demo explaining a SaaS multi-tenant approach. E.g. some people can already be at step 4, while you just want a fresh environment without any generated stuff.

Now you can start generating content in Qlik Sense by making use of this non Qlik website. This shows the power of our API's. The demo works in 4 steps.

To make life easy, if you press the button on step 1, we will insert

- Customers with users
- A reference to the guid of the template app (just a normal app, in the templates stream)

Now we are ready to generate stuff on the Sense side, press generate

The power of API's; the SaaS with Qlik Sense demo platform

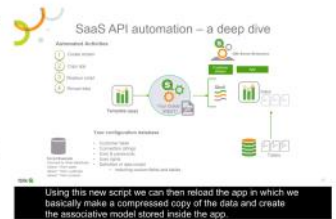
What is the concept which we try to explain in this demo? Well today we will show you how you can easily demonstrate the power of the Qlik Sense APIs to customers and partners to fully extend and take advantage of Qlik Sense to embed analytics within a multi-tenant SaaS application environment.

[Read more](#) or [Introduction video](#)

How to use the demo?

To put it simply, this demo shows you how you can copy an app (dashboard which serves as a "template layout" for each of your customers. Next to creating a copy, we will also reload the app with data from the customers database. Because you can insert a custom script you can also specify customer specific data models like "customer fields and tables" or create them on the fly in order to connect to big data sources. In the end we make a stream per customer and publish the app into this stream.

[Read more](#) or [How to Video](#) or [Go to the demo](#)



[Read more](#) or ["How to" Video](#) or [Go to the demo](#)

Sign In

Sign in with Google

OR

Email *

demo@qlik.com

Password *

Sign In

Must be logged in

Don't have an account? [Register](#)

- 1 Insert Customers
- 2 Select the template
- 3 Generate
- 4 Completed

In the left top of the screen, you can always see what the demo expects from you

- 1: Let's start publishing apps for your customers
- First insert some customers with users in your SaaS platform.
- You can use these customers later on to generate streams and apps.
 - You can use the users to test the single sign and our layered approach to governed self service in step 4.

No customers

This demo simulates the first day of your SaaS platform. Therefore we first need to insert some customers in your SaaS platform using the button below. Note that we don't have to create users or groups in Qlik Sense.

[1: Insert Customers](#)

Notice the screen updates, and we completed 2 steps

- 1 Insert Customers
- 2 Select the template
- 3 Generate
- 4 Completed

3: Press generate

Press the green generation button to start creating streams and apps for each of your selected customers.

[Read more...](#)

[Initialize demo](#) or [3: Generate](#)

Notice you can demo our REST calls:

3: API communication is in progress...

This application is now sending REST and websocket based API calls to the Qlik Sense QRS and Engine API. See more info about API's, the source code, sequence diagrams and a real time API call overview [here](#).

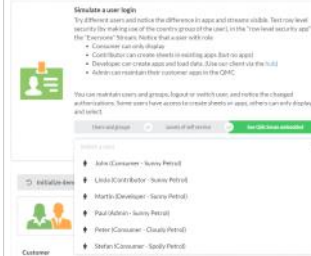
Action	Request
Notification apps	We got an incoming REST Call from the Sense Notification handler for APPS, this means the Sense Repository has changed
Notification apps	We got an incoming REST Call from the Sense Notification handler for APPS, this means the Sense Repository has changed

If you want to see more click the [link](#)

Demo Single Sign On and web integration options

Now all content is created, so a good time to demo the single sign on capabilities

The demo inserted 3 customers by default. Each customer has users.



You will see the page that demo's that Qlik Sense redirects the user to " your SaaS Platform, to do the authentication"

--> only explain this for the security audience, otherwise just press the button.
--> you can press the dropdown, to see more info.

Single sign on (ticket request) redirect demo page

To slow things down for demo purposes we have put a "page in the middle".

- between the user trying to access Qlik Sense
- and the demo site (your SaaS platform), in which the user is already logged in. So this is a perfect place to get the users id and groups (or any array of fields you would like to use to authorize on) and communicate these values to the Qlik Sense Proxy via the ticketing process.
- This allows Qlik Sense to re-use these groups in the resource and "row/column level" authorizations.

Why do you see this page?

[Read more about Security](#) [Request a ticket for the logged in user](#)

Click on the green button to See Qlik Sense embedded in an external webserver (a non Qlik server). Using this demo you can demonstrate the different web integration options we have

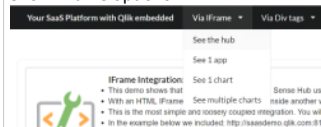
- Iframe
- DIV
- And via the link to the dev-hub you can explain the more difficult stuff if needed.



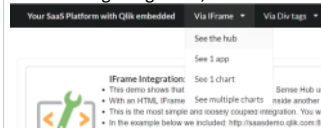
Try to select a different users, and demo the difference functionality available. First show the web integration options.

- Iframe
- Div

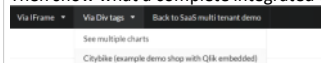
Show Iframe options



Show Div tag integration, resize the screen etc.



Then show what a complete integrated webpage could look like



Demo dynamic security using ticketing

Explain our security approach using the videos on the [security page](#). If there are technical people in the room, at least make sure you first show them the complete flow of the web and security integration (only takes 1 minute)



Users with roles

In your SaaS platform (this demo platform simulates that), you store users and their roles (see [the introduction video](#) for more info about the concept).

The power of API's; the SaaS with Qlik Sense demo platform

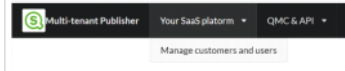
What is the concept which we try to explain in this demo? Well today we will show you how you can easily demonstrate the power of the Qlik Sense APIs to customers and partners to fully extend and take advantage of Qlik Sense to embed analytics within a multi-tenant SaaS application environment.

[Read more](#) [Introduction video](#)

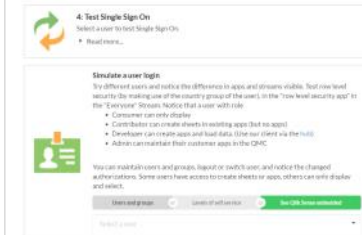
How to use the demo?

In the demo you can also manage customers and their users.

Via the menu you can always access it

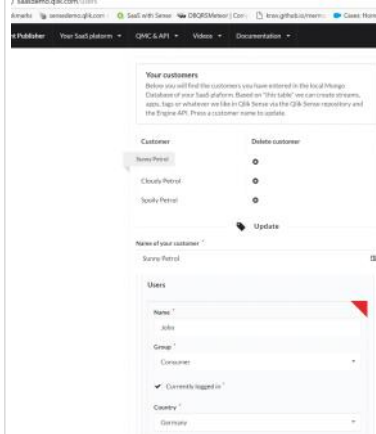


Or in step 4, you have the option to press the button "Users and groups"



Here you can change the names of the dummy customers and change users and their roles

You can insert new ones on the right. Or change existing ones on the left. Once you click on a customer name, you can update the users below.

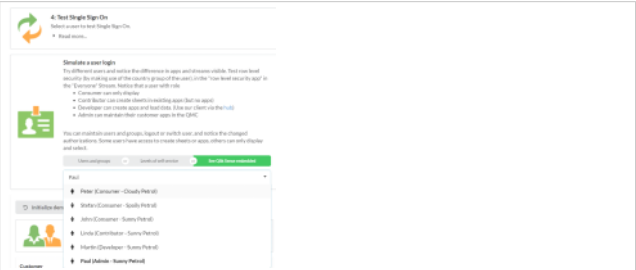


Demo user with consumer role

Let's demo a "display only" use case.

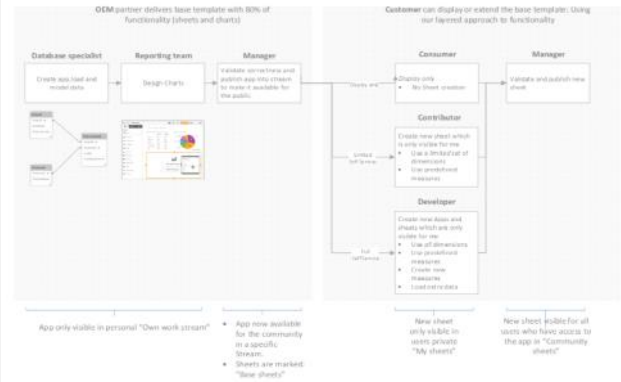
Select a user with role consumer.

Explain that the OEM partner can implement Qlik Sense security as he wants it, our concept is flexible. You can also click on "Levels of self service" to explain "an approach" to implement layered access to functionality.

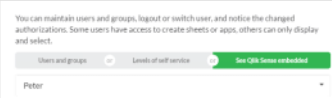


Possible self service flow:

Please see the overview of our layered approach to the self service functionality in Qlik Sense



Press the green button



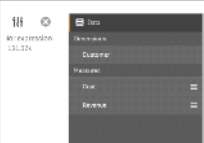
Press the green ticketing redirect button

Note: Each time you switch user you should see this page in between. If you switch a user you simulate the act of a user logging in, into the SaaS platform of the OEM partner. If you don't get this page, something is wrong (incorrect cookie binding), so make sure you press logout in the hub for the test user and restart your browser)

Request a ticket for the logged in user

Demo the possibilities for a display only user. Options to tell are

- Make selections, store bookmarks, story telling etc.
- No interactions
- Fix selections
- Demo exploration menu (Important: enables user to store user preferences and have a "self service feeling")



Demo user with role contributor

Let's demo a user that can do a little more compared with the consumer. This user can also create sheets

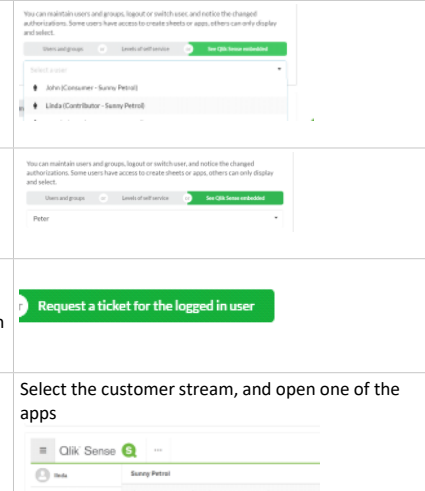
Go back to the saasdemo.qlik.com website, and select a user with role contributor: Linda for example

Press the green button

Press the green ticketing redirect button

Note: We see this screen again, because Meteor now talks with Qlik Sense via the QPS API, and logs out all users for the currently logged in demo user in Meteor.

- In the hub
 - Nothing new (no new buttons)
- In the app
 - New options to duplicate or create new sheets
 - Demo this possibility





Demo user with role developer

Same as the above, but now show the hub, and demo you can create apps, and drag and drop your favorite excel (or whatever) to load data

Demo user with role admin

This is a special user, it demonstrates Qlik Sense has multi-tenant QMC possibilities

Select a user with role admin	<p>You can maintain users and groups, logout or switch user, and notice the changed authorizations. Some users have access to create sheets or apps, others can only display and select.</p> <p>Users and groups Levels of self service See Qlik Sense embedded</p> <p>Paul</p>
Now go to the QMC menu	<p>saasdemo.qlik.com/generation</p> <p>Apps Bookmarks saasdemo.qlik.com SaaS with Sense DBQRMets</p> <p>Multi-tenant Publisher Your SaaS platform QMC & API Videos</p> <p>Your SaaS platform with Qlik Sense embedded</p> <p>Not integrated, Hub using Single Sign On</p> <p>Not integrated, QMC using Single Sign On</p> <p>Manage customers and users</p>
Demo the restricted access to streams, apps, app.objects	<p>saasdemo.qlik.com/generation</p> <p>Apps Bookmarks saasdemo.qlik.com SaaS with Sense DBQRMets</p> <p>Multi-tenant Publisher Your SaaS platform QMC & API Videos</p> <p>Your SaaS platform with Qlik Sense embedded</p> <p>Not integrated, Hub using Single Sign On</p> <p>Not integrated, QMC using Single Sign On</p> <p>Manage customers and users</p>

Row level security demo

Now show that each users is member of certain groups, we can re-use those groups in section access

Customer Delete customer

Surry Petrol

Cloudy Petrol

Spooky Petrol

Update

Name of your customer *

Surry Petrol

Users

Name *

John

Group *

Consumer

Currently logged in *

Country *

Germany

Name *

Linda

Group *

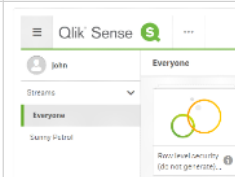
Contributor

Currently logged in *

Country *

United States

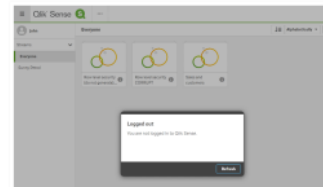
So select user john and open the row level security app in the everyone stream



Select the overview sheet, and notice the amount of customers visible, and show the country field that only shows the country of the group we selected with the user.



Select user linda, and keep the tab in your browser open (or just re-do all the steps above). If you keep the screen open, you can also demo that your SaaS platform can control the login/logout status of Qlik Sense, so no strange behaviors!)



Press F5 (or [press refresh in your browser]), press the green button again, and hey! We switched user!

Single sign on (ticket request) redirect demo page

To show things about for demo purposes we have put a "page in the middle":

- between the user trying to access Qlik Sense
- and the demo site (our SaaS platform) in which the user is already logged in. So this is a perfect place to get the user's id array of fields you would like to use for authentication and communicate these values to the Qlik Sense Proxy via the ticket
- This allows Qlik Sense to use these groups in the resource and "two-step login" authentications.

Why do you use this page?

Read more about SaaS for > [Newest articles for the signed in user](#)

Now, using the same URL in the browser (!), another user sees only his authorized data.

