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iQunet Server Login Procedure using WebRTC

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WebRTC Login procedure iQunet sensor network

The procedure below describes how to connect to the iQunet sensor network via WebRTC.

0. Prerequisites

WebRTC is used to connect the browser of your PC, tablet or mobile phone to the web server installed on the <u>local</u> iQunet Server. The firewall settings of the LAN network in which the iQunet Server is installed, must allow this basic WebRTC communication protocol. In case you cannot reach the local iQunet dashboards, please check the following link: <u>https://iqunet.com/resources/knowledge-base/how-can-i-diagnose-webrtc-connection-problems/</u>.

or pass this information to your IT department.

1. Install a browser which supports WebRTC.

iQunet advises using the Google Chrome browser for the best user experience. Most recent browsers are supporting the WebRTC communication protocol.

2. Surf to:

https://connect.igunet.com (please make sure to start the URL with https instead of http).

3. Log in with your Google account or create a new account using your email address.

This identification is to verify you are not a web robot. Once logged in, you will not be prompted anymore.



4. The connection status of the user to the iQunet web server is shown in the bottom right corner.

Green means the WebRTC services are ready for use. Red indicates that there are connection problems (please troubleshoot following the instructions on <u>https://iqunet.com/resources/knowledge-base/how-can-i-diagnose-webrtc-connection-problems/</u>).



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5. Hovering over the double arrow on the "Quickstart" card, opens a box explaining all icons used on the iQunet connect dashboard.

	Quickstart	<u></u>)
E Link to day	shboard name		
Liser info	l by: user@email.cor	n	
Quickstart		ĸ	-
🛓 = Accept u	user	45	
👗 = Block us	ser		
🥖 = Edit use	en		
🔟 = Delete (user		
			×

6. Click on "Add New Server".

cort	conver id	
SOIL	server-lu	~

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7. Provide a name for the server, enter the Server ID (server-xxxxxxx) and fill out an OPC UA username and password (optional). Click "Submit". The Server ID is provided by iQunet. Remark: it is not possible to use an OPC UA username that is already in use by yourself or by any other user connected to this server.

Server Name 🗸	
Demo	
Server ID 🗸	
server-abcd1234	
DPC Username ✓	
demo	
DPC Password 🗸	
••••••	
Comments	
no comments	
Created by:	
iqunetdemo@gmail.com	

8. Click on the Server ID in the created server card to open the iQunet Sensor Dashboard of that server.



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Remark: if you are not the first person to create a server card for this iQunet Server, your access must be granted by one of the users who already have access to this server.

Remark: blocked server accesses are shown in red.

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Der	no 2
=	server-12345678
-	demo2
-	1 user +1 pending
	iqunetdemo@gmail.com
Der	no 2
Der	server 12345678
Der	server 12345678 demo 1 user +1 pending

Access to server-12345678 must be granted by: - da...@gmail.com

9. You are now connected to the iQunet Sensor Dashboard.

	iQunet.			4 F @ O @ # F
	Sensor Dashboard		O server-	last updated 11:48:58
	CONNECTED DEVICES		SENSOR STATUS	
A Home	🔒 Base Station	A:Stitues	Network Interface	^
5 Config	Nib-pwr 3	87:52:ff:76	Signal Strength : -41 dBm [5/5]	4
80	Nib-pwr 1	aftettettefd	MAC Address : 7c:55:bb:e4	
Ð			PAN Address : 192.180.1.0	Ping
WR	vib-pwr 2	econorf:sp	PAN Subnet : 192.180.0.0/24	Setup
Ba PN	(+•) RPT demo IEPE-10	f3:8e:fd:c7	Last Seen : Thu Jul 29 2021 11:4	8:16 GMT+0200

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10. Edit the server card by clicking on the pencil icon. You can change the server's name, the Server ID and/or the OPC username and password. Click "Submit".

Demo no comments	× 🐔	-
+ EDITING SERVER-	ABCD1234	• ×
Server Name 🗸		
Demo Server		
Server ID		
server-abcd1234		
OPC Username		
demo		
OPC Password		
[salted SHA512]		
Comments		
no comments		
Created by:		li
iqunetdemo@gmail.com		

11. Delete the server card by clicking on the garbage can symbol. Confirm by clicking on "Delete".







12. Sort the overview page showing all server cards either by title (a-z) or by Server ID (server-xxxxxxx).



13. Search through the list of connected server cards by typing the Server ID or part of the server's name in the search field.

+ Add New Server	Quickstart 😽	Demo 2
sort server-id ~	 Link to dashboard OPC-username User info 	 server-12345678 demo2 2 users
	created by: user@email.com	iqunetdemo@gmail.com

14. Block yourself as a user by clicking on the red "Disable user" icon. Confirm by clicking on "Block".

Use case example: you can create multiple server cards for the same Server ID (for example server-abcd1234) but with different OPC UA usernames and passwords. You can then share these usernames and passwords with your colleagues or clients so they can access the server using OPC UA. If you don't want a specific user to be able to access server-abcd1234 anymore, you can block this user's access in your dashboard.

Demo	🍾 🖉 🛅 🤺
no comments	20



Block server-abcd1234 for iqunetdemo@gmail.com ?

Cance	el Block
 Demo	
server-abcd1234	
• 0 users (+1 pending)	
iqunetdemo@gmail.com	

15. Accept yourself as a user by clicking on the green "Accept user" icon. Confirm by clicking on "Allow".

Demo no comments	* / iii	
Allow server-abcd1234 for iqu	unetdemo@gmail.	com ?
	Ca	

Remark: you can only unblock yourself if there are no other users connected to this server. In that case you will always have access rights. If there are other unblocked users available, however, you will have to request access from one of these users.

If there are no active users left, the first person to create a server card for this server will get the access rights.

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16. Check who is connected to a specific iQunet Server by clicking on the number of users in the server card. This will show all users connected to this specific server.

Remark: you can only see the other connected users after being accepted as a user for this server.



17. Click on "Show All" to return to the overview page showing all server cards.



18. Block, delete or grant access to specific users by clicking on the icons in the server cards.

Remark: you can only block, delete or allow other users after being accepted as a user for this server. After being accepted, you can block, delete, or allow all other users connected to this server.

When you block another user's access, the server card in that user's dashboard will be colored red and the user will not be able to access the server anymore.

	Quickstart 🛛 🕹	Demo	Demo	A A A A
server-abcd1234	 Link to dashboard OPC-username 	server-abcd1234	no comments	200
show All	User info	iqunetdemo@gmail.com	Block user access.	l@gmail.com
	created by: user@email.com	iqunetdemo@gmail.com		a tanàna dia kaominina dia kaominin

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Obsuring apply using of	Quickstart 🛛 🕹	Demo	Demo
server-abcd1234	 Link to dashboard OPC-username 	User access is disabled.	server-abcd1234
אָ Show All	😫 User info	- iquinotaemo@gmail.com	@gmail.com
	created by: user@email.com	igunetdemo@gmail.com	@gmail.com

When you grant another user access, the server card in that user's dashboard will be colored white and the user will be able to access the server from that moment on.

Objection and success of	Quickstart 😽	Demo	Demo
server-abcd1234	 Link to dashboard OPC-username 	server-abcd1234	ser access.
show All	😫 User info	iqunetdemo@gmail.co	lense@gmail.com
	created by: user@email.com	iqunetdemo@gmail.com	1

When you delete another user's server card, the server card in that user's dashboard will disappear and the user will no longer be able to access the server unless he creates a new server card for that server and requests for access once again.

	Quickstart 😽	Demo 🌋 🧪 👼 🌰	Demo
Showing only users of server-abcd1234	 Link to dashboard OPC username 	no comments	server-abcd1234
show All	Vser info	Delete user.	iqunetdemo@gmail.com
	created by: user@email.com	•	iqunetdemo@gmail.com