

CC1 Migration to Corvina

Why we are migrating CC1 to Corvina

It's time to consolidate the platform to allow end user to benefit the whole services of the Corvina Industrial Automation Platform

Possibility to let our customer to move from just VPN to VPN, IoT and Apps usage.

The new VPN implementation use the last technologies that can provide to our customers benefit in terms of user-experience, performance, and reliability.

Benefit of the new Corvina VPN

- Multi-cluster architecture geographically distributed
- Improved User Experience
- Full web interaction with devices (Corvina Cloud App no longer needed)
- Ready for improvements like Chat, OTP and others
- Better communication with our user in case of maintenance activity

Type of Migration

The Migration will be executed in 2 different steps:

- **Organizations Migration:** this procedure will migrate Organization and suborganizations, Devices, Groups, Endpoints, Profiles and Applications and will be executed by the SuperUser of the organization.
- **Users Migration:** this procedure will migrate Organization and SubOrganizations Users and will be execute by each single user.

Note: There is nothing to do on the device neither in CC1 or Corvina to let the device to be migrated.

Organizations Migration Procedure

To access to the Migration procedure a SuperUser of the Top Organization has to login into the platform using the standard login page:



After the login, the Migrator page will guide the SuperUser in the migration process:

CORVINA Migration Service

Welcome mbsuper

Your details:
Username: mbsuper
Organization: hiflex
Email: marcello.bellomi@corvina.io

CORVINA has created a new amazing industrial IoT platform. It's time to migrate your organization to the new one.

CORVINA is the cloud-based, all-in-one Industrial Automation platform that provides the technology you need for the upcoming industrial challenges. CORVINA is an administration shell for distributed edge systems, integrating **data collection, monitoring and control**, configuration management, integrated web tools and programming environments to support the machinery and applications throughout its whole lifecycle providing productivity increase and new Business Model based on Services. It connects any products, plants, systems, and machines, be they new or legacy. It allows the **data generated by the Internet of Things (IoT)** to be processed simply and intuitively with advanced analysis. It bridges layers between IT and OT architecture, providing effective tools to access all the industry 4.0 benefits, such as **asset performance management, artificial intelligence, cloud edge computing, predictive maintenance, data modeling and OT remote monitoring.**

The diagram illustrates the CORVINA architecture, showing a central cloud platform connected to various industrial systems (ERP, MES, ERM, etc.) and data sources (DB, PLC, etc.) via protocols like REST API, MQTT, and OPC UA. The central platform includes modules for Fleet Management, Alarm & Notifications, User & Group Management, and more.

Ok **Postpone**

Here there will be the possibility to Postpone the procedure and continue to work on CC1 for a limited amount of time or to continue with the migration process clicking on **OK**

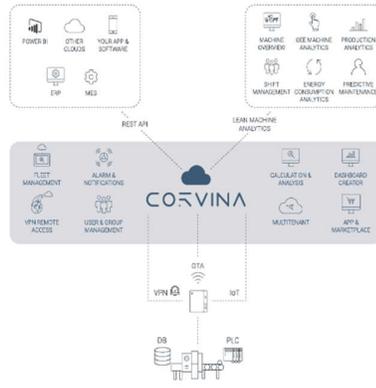
Your details:

Username: mbsuper
 Organization: hiflex
 Email: marcello.bellomi@corvina.io

CORVINA has created a new amazing industrial IoT platform.

It's time to migrate your organization to the new one.

CORVINA is the cloud-based, all-in-one Industrial Automation platform that provides the technology you need for the upcoming industrial challenges. CORVINA is an administration shell for distributed edge systems, integrating **data collection, monitoring and control**, configuration management, integrated web tools and programming environments to support the machinery and applications throughout its whole lifecycle providing productivity increase and new Business Model based on Services. It connects any products, plants, systems, and machines, be they new or legacy. It allows the **data generated by the Internet of Things (IoT)** to be processed simply and intuitively with advanced analysis. It bridges layers between IT and OT architecture, providing effective tools to access all the industry 4.0 benefits, such as **asset performance management, artificial intelligence, cloud edge computing, predictive maintenance, data modeling and OT remote monitoring.**



You need to validate your email address before proceeding. This will be the username to log in to Corvina.

Email

Send validation email

As the Authentication method in Corvina is different from the one present in CC1, the user needs to insert an Email address that will become the username to access in Corvina. To be sure of the identity of the user that is doing this action, a validation email will be sent to the Email specified. Inside the email there will be an OTP code that needs to be used in the following step.

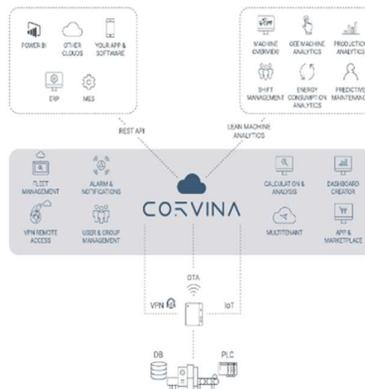
Your details:

Username: mbsuper
 Organization: mbtest
 Email: marcello.bellomi@corvina.io

CORVINA has created a new amazing industrial IoT platform.

It's time to migrate your organization to the new one.

CORVINA is the cloud-based, all-in-one Industrial Automation platform that provides the technology you need for the upcoming industrial challenges. CORVINA is an administration shell for distributed edge systems, integrating **data collection, monitoring and control**, configuration management, integrated web tools and programming environments to support the machinery and applications throughout its whole lifecycle providing productivity increase and new Business Model based on Services. It connects any products, plants, systems, and machines, be they new or legacy. It allows the **data generated by the Internet of Things (IoT)** to be processed simply and intuitively with advanced analysis. It bridges layers between IT and OT architecture, providing effective tools to access all the industry 4.0 benefits, such as **asset performance management, artificial intelligence, cloud edge computing, predictive maintenance, data modeling and OT remote monitoring.**



Validation email sent to marcello.bellomi@corvina.io

OTP

Insert the code you received via email.

OK

Insert the OTP code received by email and click on OK to validate the User.

The following page will be visible. only if the TopOrganization has been defined as a Reseller.

advanced analysis. It bridges layers between IT and OT architecture, providing effective tools to access all the industry 4.0 benefits, such as **asset performance management, artificial intelligence, cloud edge computing, predictive maintenance, data modeling** and **OT remote monitoring**.



Select organizations to migrate Search... 10 ▾

<input type="checkbox"/>	ORGANIZATION NAME
<input type="checkbox"/>	ae_magnetics
<input type="checkbox"/>	aggreko
<input type="checkbox"/>	allround
<input type="checkbox"/>	allseas
<input type="checkbox"/>	alten
<input type="checkbox"/>	asto
<input type="checkbox"/>	auteq
<input type="checkbox"/>	avans
<input type="checkbox"/>	avasto
<input type="checkbox"/>	B3

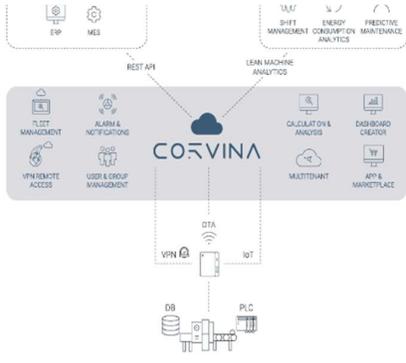
of organizations selected: 0 « First < Previous 1 2 ... 10 Next > Last »

Confirm

Select the SubOrganization that you want to migrate and click on Confirm. This screen will be available until all the organizations has been migrated.

After completed the previous step, the following page will be displayed.

CORVINA is the cloud-based, all-in-one Industrial Automation platform that provides the technology you need for the upcoming industrial challenges. CORVINA is an administration shell for distributed edge systems, integrating **data collection, monitoring and control**, configuration management, integrated web tools and programming environments to support the machinery and applications throughout its whole lifecycle providing productivity increase and new Business Model based on Services. It connects any products, plants, systems, and machines, be they new or legacy. It allows the **data generated by the Internet of Things (IoT)** to be processed simply and intuitively with advanced analysis. It bridges layers between IT and OT architecture, providing effective tools to access all the industry 4.0 benefits, such as **asset performance management, artificial intelligence, cloud edge computing, predictive maintenance, data modeling** and **OT remote monitoring**.



Estimate time: less than a minute
Selected organizations: alten, asto 

When you'll start migration, you cannot apply changes neither old Corvina platform nor new one. 

Back to organization selection
Start migration

Here a recap of the Organization that will be migrated and an estimation of the time needed is displayed. Click on Start Migration.

If your organization hasn't been set as Reseller or if you have completed the previous 2 steps, the following page will be displayed.

CORVINA
Migration Service

Welcome mbsuper

Your details:
 Username: mbsuper
 Organization: your_organization
 Email: marcello.bellomi@corvina.io

Now you cannot apply changes neither old Corvina platform nor new one till the end of migration.



Estimate time: 1 hours



	organizations		
	2		
devices	deviceGroups	endpoints	
125	1	378	
profiles	userGroups	applications	
3	0	3	

Execute migration

Here a Recap of what will be migrated, and the needed time is displayed. Start on Execute migration.

A progress bar with the estimated time needed to complete the job is displayed.

CORVINA
Migration Service

Welcome mbsuper

Your details:
 Username: mbsuper
 Organization: hiflex
 Email: marcello.bellomi@corvina.io

You triggered a migration from the old Corvina Platform to the new one. Please wait the end of the migration!



98 %

Estimate time: less than a minute

This page will be visible also closing the page and login again to CC1 unless the process of Migration is complete.

At the end of the Migration process this page will communicate you that the migration has been completed and it will provide you the new link for access to Corvina.

CORVINA **Migration Service**

Welcome mbsuper

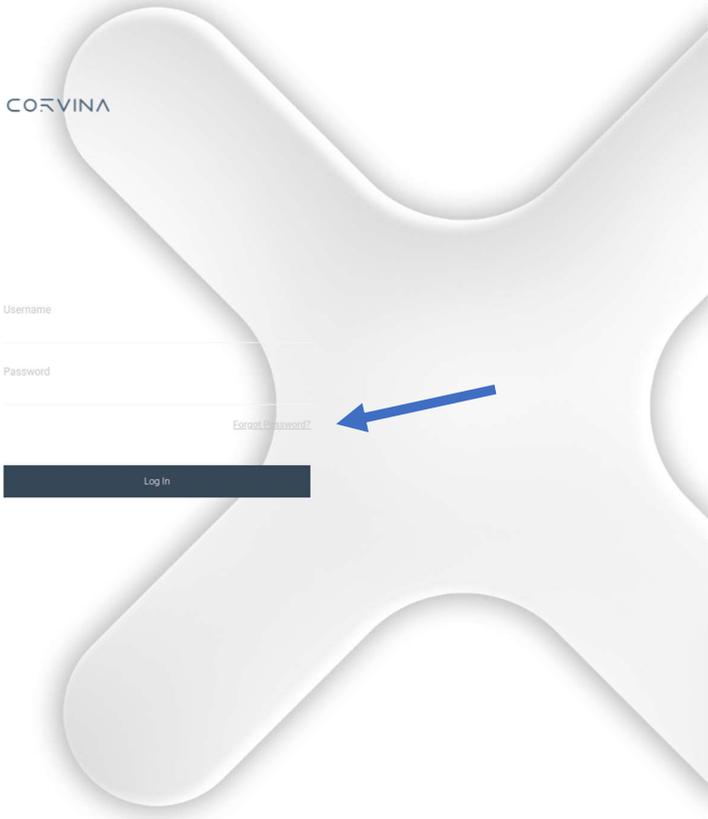
Your details:
Username: mbsuper
Organization: hiflex
Email: marcello.bellomi@corvina.io

You successfully migrated your organization to the new **Corvina Platform** ! ✓

Click on the link to open the Corvina login page:



Use the previously set Email and password to access to the platform. If you are not able to access, click on the Forgot Password button:



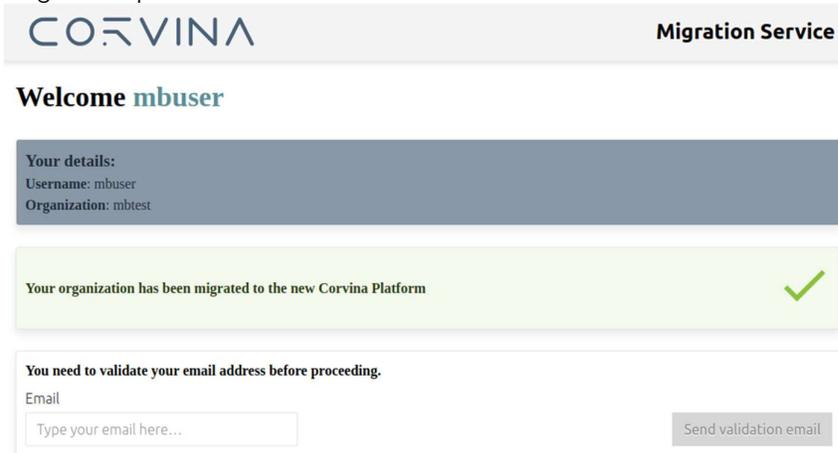
This process will send you an email to reset your password.

Users Migration Procedure

After the migration of the Organization all the users will have to migrate their own profile. The Users migration will start with the standard login page of CC1:

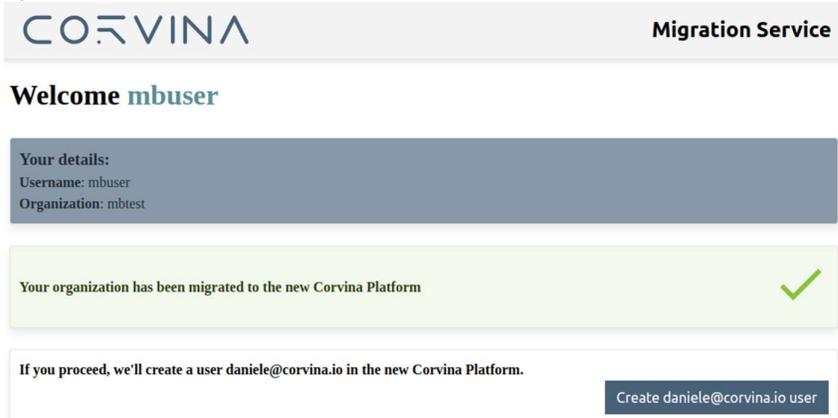


Inserting the username and password defined for CC1 the user will be redirect to the Migration procedure.



Here the user must insert a Valid email address, that will become the Username for login in Corvina portal.

After insert the email address, click on "Send validation email", this will send an email to the specified email address with an OTP that will be used to validate the user.



After the validation, click on "Create <email address> user".

A progress bar will communicate the time needed for complete the job and the percentage of completion.

CORVINA Migration Service

Welcome mbsuper

Your details:
Username: mbsuper
Organization: hiflex
Email: marcello.bellomi@corvina.io

You triggered a migration from the old Corvina Platform to the new one. Please wait the end of the migration!

98 %

Estimate time: less than a minute

At the End of the process the following screen will provide to the user the link for connect to Corvina.

CORVINA Migration Service

Welcome mbsuper

Your details:
Username: mbsuper
Organization: hiflex
Email: marcello.bellomi@corvina.io

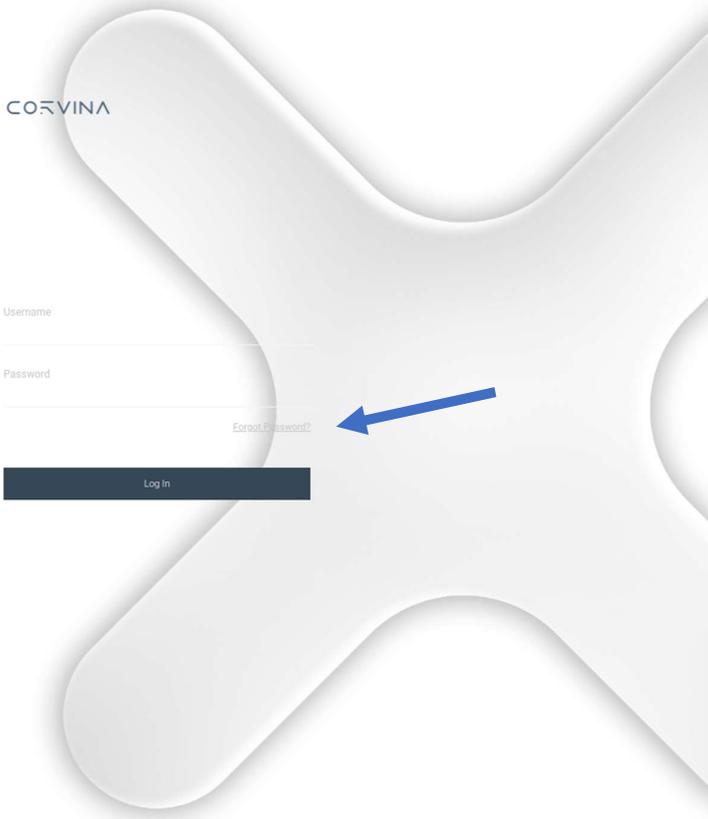
You successfully migrated your organization to the new **Corvina Platform** !

Click on the link to open the Corvina login page:



CORVINA

Use the previously set Email and password to access to the platform.
If you are not able to access, click on the Forgot Password button:



This process will send you an email to reset your password.

Waiting page during migration

In case a user tries to login while the Organization migration is in progress the following page will be displayed communicating the user to wait and try again later.

CORVINA **Migration Service**

Welcome mbuser

Your details:
Username: mbuser
Organization: mbtest

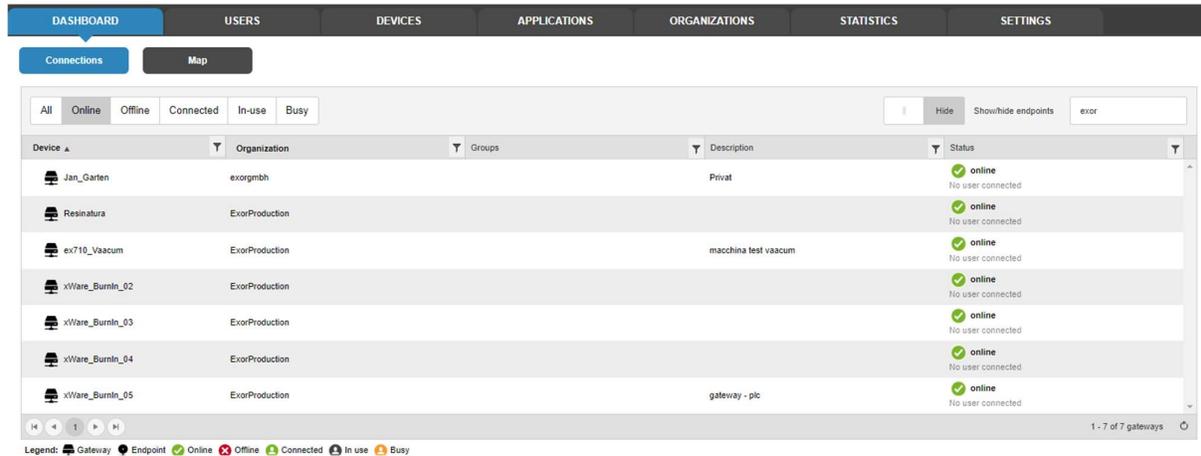
A superuser of your organization has triggered the migration of your organization to the new Corvina Platform. In the meantime, you cannot use the old Corvina Platform.
Please wait the end of the migration!



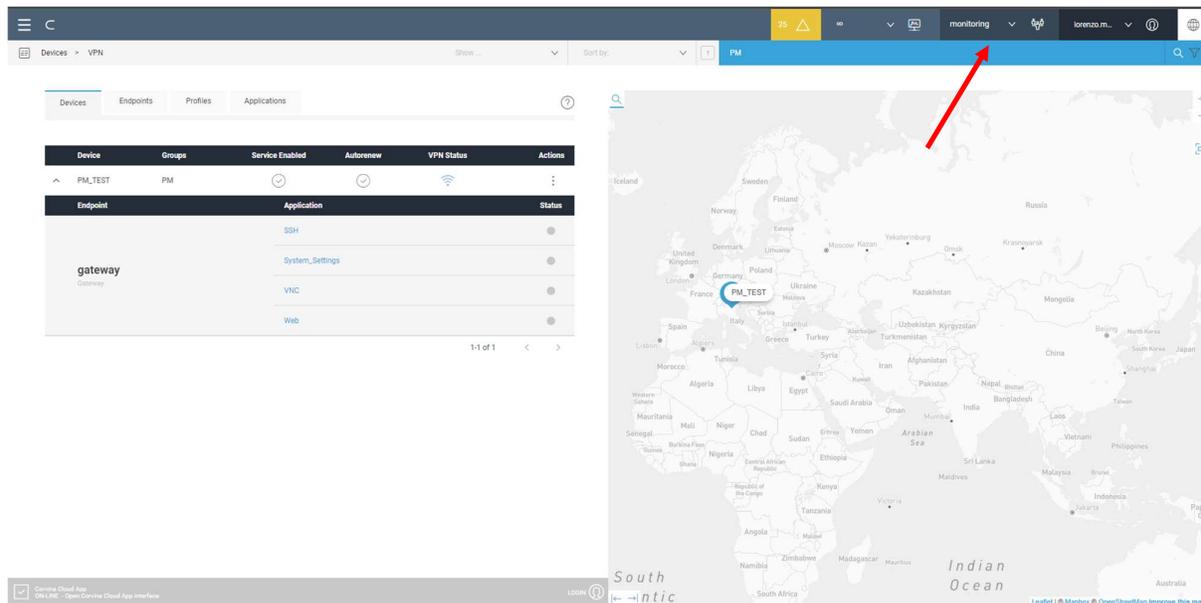
Operativity differences between Corvina Cloud (CC1) and Corvina (CC2)

After the migration you'll experience some changes in the VPN operativity between Corvina Cloud and Corvina:

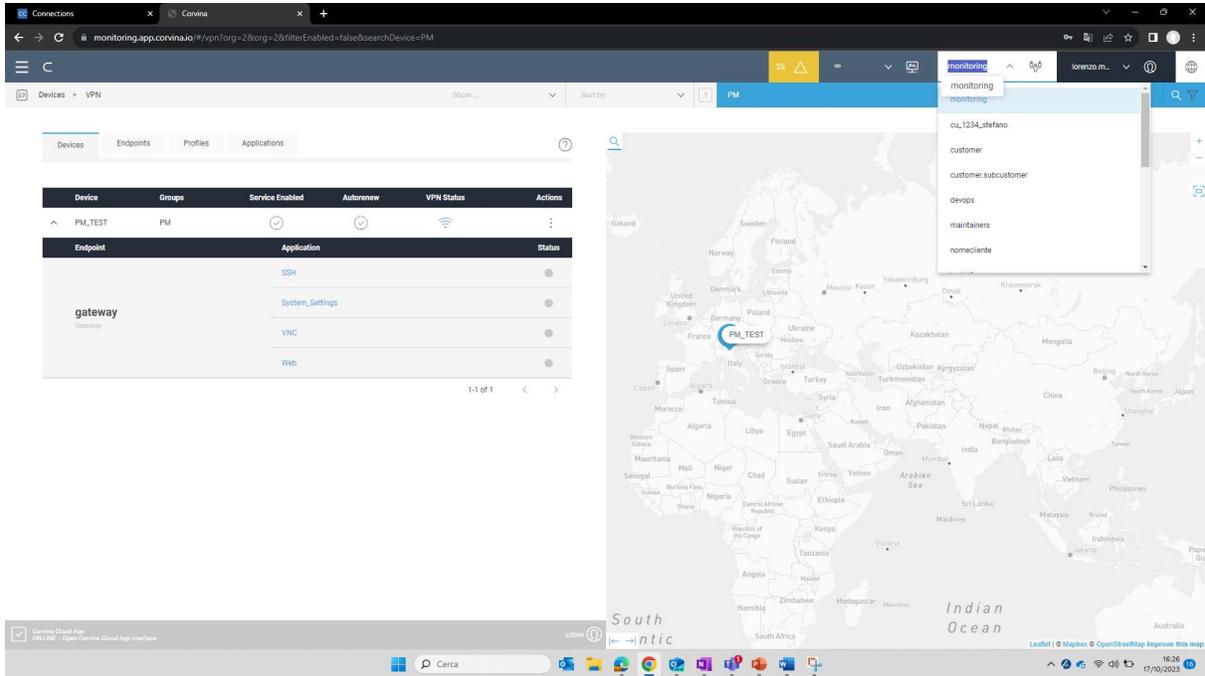
Device View



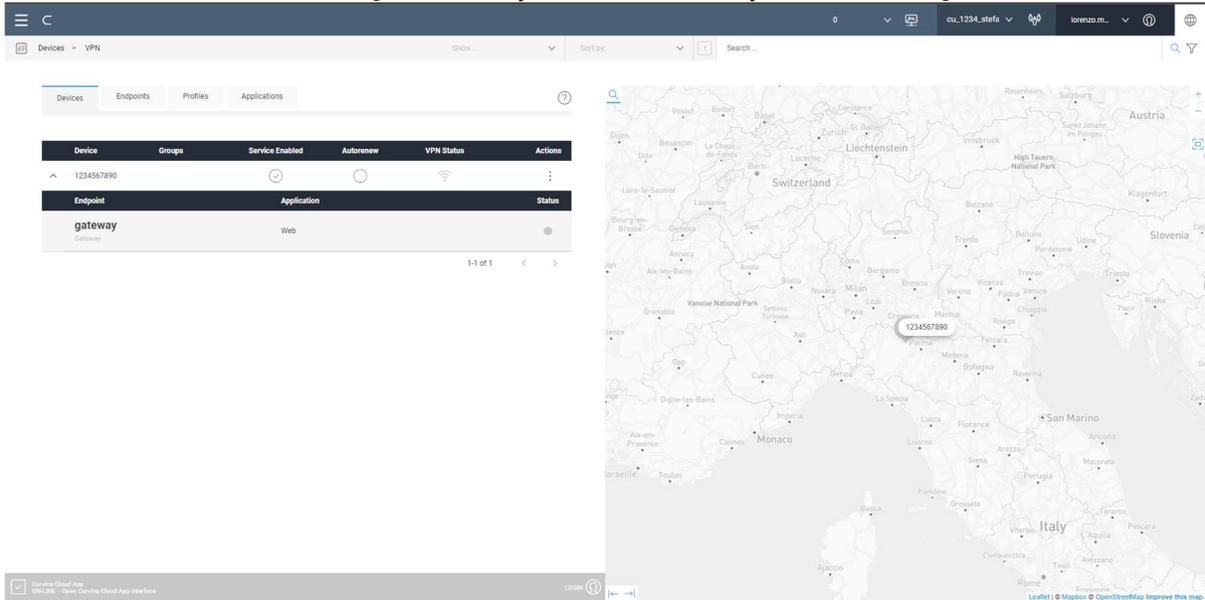
Differently from Corvina Cloud (CC1), where all the devices belonging to different organizations was displayed in a single screen, in Corvina (CC2) those devices are segregated in their own organization even if you have the possibility to see it or operate on it.



Clicking on the drop-down menu, the list of the SubOrganization will be displayed and you can choose on which one you want to access.



Once accessed to the suborganization, you'll have visibility on the Suborganization's devices:

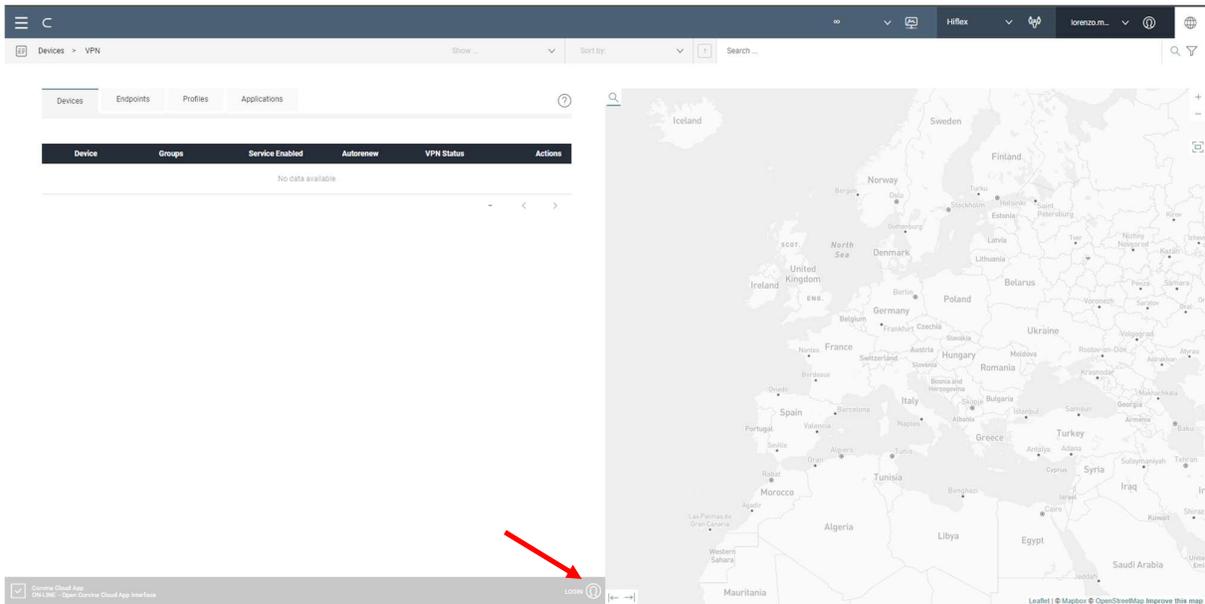


Connect App

After the migration, the Corvina Cloud Connect App (CC1) will no longer be needed to create the point-to-point connection to the devices and needs to be uninstalled.



At the first login on Corvina (CC2),



under the VPN page, the bar identified by the Arrow, will be Red.



Clicking on the , download the plug-in and follow the wizard, it doesn't require any configuration. This setup will install you a service in your PC that will be used by the browser to establish the point-to-point connection.

After the Setup, the bar will be gray, that means you are not connected.



To establish a point-to-point connection click on the Login icon.



Now you are connected.

Corvina Cloud (CC1) to Corvina (CC2) Role Mapping

CC1 roles	CC2 roles	Comments/Specific roles in Corvina
No special roles	Basic	This basic role is assigned as basic role to all non-superusers, without access to sub organizations.
Superuser	Administrator + Device Data Administrator	
Access to sub organization	Access to sub organizations	
Manage profiles	Device Data Administrator	
Manage applications	Device Data Administrator	
Manage organizations	Manage organizations	iam.organizations.*; iam.roles.*
Manage devices	Manage devices	iam.devices.*; iam.devicegroups.*; iam.models.*
Manage users	Manage users	iam.users.*; iam.usergroup.*; iam.roles.*
Direct access to application	Only favourite apps	Like basic without portal access (only favourite apps)

Differences Between Corvina Cloud (CC1) and Corvina (CC2) roles

Corvina Cloud (CC1) to Corvina (CC2) Role Mapping

To use Corvina (CC2) services in your network, you need to have these ports open:

Add or ask your IT department to open the following ports:

Port	Protocol	Used by	Direction
1194	UDP	VPN service	Outgoing
443	TCP	VPN (not mandatory)	Outgoing
8883	TCP	IoT service	Outgoing

Check or ask to your IT department to make sure your internet connection can resolve these URLs:

URLs	Service name	Port
pairing.corvina.io	Corvina pairing services	TCP 443
remote2.corvina.io	Corvina companion app	
remote2.pairing.corvina.io	Corvina pairing VPN services	TCP 443
vpn2.corvina.io		UDP 1094 TCP 443
vpnportal2.corvina.io		
broker.corvina.io	Corvina IoT services	TCP 8883 TCP 443
api.platform.corvina.io	Corvina IoT services	TCP 443
pool.ntp.org	NTP server to set the correct time in your device	

Note: The domain "Corvina.io" according to your region:

- corvina-de.io for Germany
- corvina-us.io for US

Once you have done these things, you should be able to use Corvina.

I'm having trouble connecting to Corvina. What should I do?

If you are having trouble connecting to Corvina, please try the following:

- Make sure that you have opened the required ports.
- Make sure that you have added the required DNS servers to your firewall rules.
- Try restarting your device.
- Contact your IT department for assistance.
- Make sure the device has the internet connection with the following command via SSH:

```
1 ping 8.8.8.8
2 ping google.com
3 ping pairing.corvina.io
```

Problems and Support

In case of problem during the migration of the Organizations, or the Users please connect to <http://support.corvina.io/>, register yourself with an email and open a ticket to the Support.

info@corvina.io