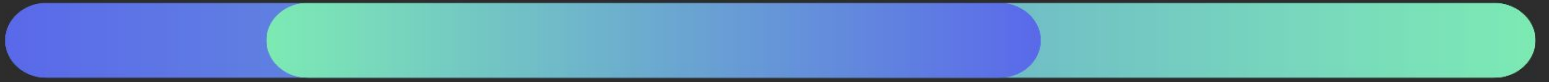
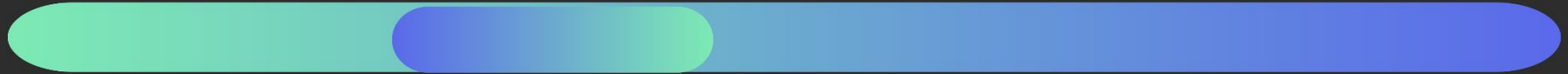


REALITIES

IN



TRANSITION

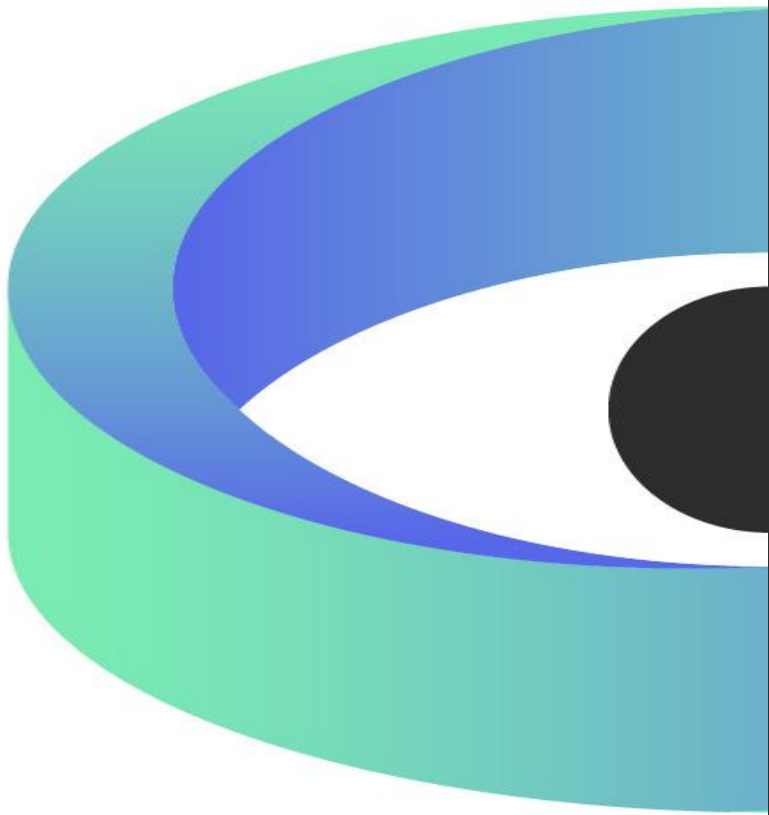


EXPLORE & SUPPORT ALTERNATIVE XR



RIT
REALITIES IN
TRANSITION

WHAT IS REALITIES IN TRANSITION ?



RiT is an international community that aims at both exploring and supporting alternative Extended Reality (XR) productions, and experiment new narratives and creative processes.

RiT aims at building a strong, independent European XR creative and activist community, a think tank to tackle current and future challenges in the digital sector.



THE EUROPEAN XR COMMUNITY

RiT aims at building an European XR community, composed of emerging artists, experts and mentors who want to reflect on and promote a sustainable, open and inclusive XR.



RIT
REALITIES IN
TRANSITION

Three circles of varying sizes are scattered around the text. One is at the top left, one is at the bottom center, and the largest one is on the right side, partially overlapping the text.

WHO ARE WE?



Bruxelles (BE)



Linz (AT)



Marseille (FR)



Marseille (FR)



Zagreb (CR)



Rotterdam
(NL)



LABORATORIO DE ELECTRÓNICA VISUAL

Gijón (ES)



RIT
REALITIES IN
TRANSITION

Three decorative circles with a blue-to-teal gradient, arranged around the central text. One is at the top center, one is at the bottom center, and one is on the right side, partially overlapping the text.

WHAT DO WE DO?

A person is seen from behind, wearing a VR headset and holding a controller. They are in a gallery space with a wall of portraits. In the foreground, a smartphone is mounted on a stand, displaying a social media-style interface. The scene is lit with a warm, pinkish-red glow.

**Establishing XR as a
sustainable, inclusive tool for
the common good.**



RiT wants to **consolidate and share XR related knowledge, tools and methodologies.**

RiT takes a **critical look at XR**, bringing together creation, curation and dissemination practices with education methods, privacy, ethics and sustainability issues.

"The Distraction 5" by Studio Comrades,
V2, Test_LAB: Realities in Transition 2023, Rotterdam

EXCLUSIVE DEBUT SINGLE LAUNCH
14.06.2023, 19.00-21.00

A person is shown from the waist up, wearing a VR headset and holding two VR controllers. They are standing in a dark environment with green and blue lighting. The person is wearing a patterned shirt and shorts. The background features a large, glowing green sphere and some abstract shapes.

Supporting alternative XR creation to explore new narratives.

“The Collective Algorithm of Care” by Leo Scarin & Marlot Meyer, V2, Test LAB: Realities in Transition 2023, Rotterdamc



RiT wants to be a major actor in the XR sector, exploring new narratives and creative processes and inspiring the whole community.

Realities in Transition supports emerging XR creatives, artists and projects to incorporate common and open source methodologies as well as inclusive and sustainable practices into experimental XR creations.

A 3D printer is shown in a dark environment, illuminated by a blue light. The printer's bed is a blue grid, and it is printing a white, textured object. In the background, a laptop and a monitor displaying a grid pattern are visible. The overall scene is dark with blue and white lighting.

**Consolidating the existing XR
creative community.**



RiT creates opportunities for networking and peer-to-peer learning between independent and activist XR initiatives, XR artists and researchers, decision-makers, and the general public.

RiT wants to bring together these stakeholders on topics such as how to use XR as a common, open and sustainable tool in their work.

RiT is also a hub for existing independent and activist XR initiatives and promotes them, giving artists recognition at European level.



RIT
REALITIES IN
TRANSITION

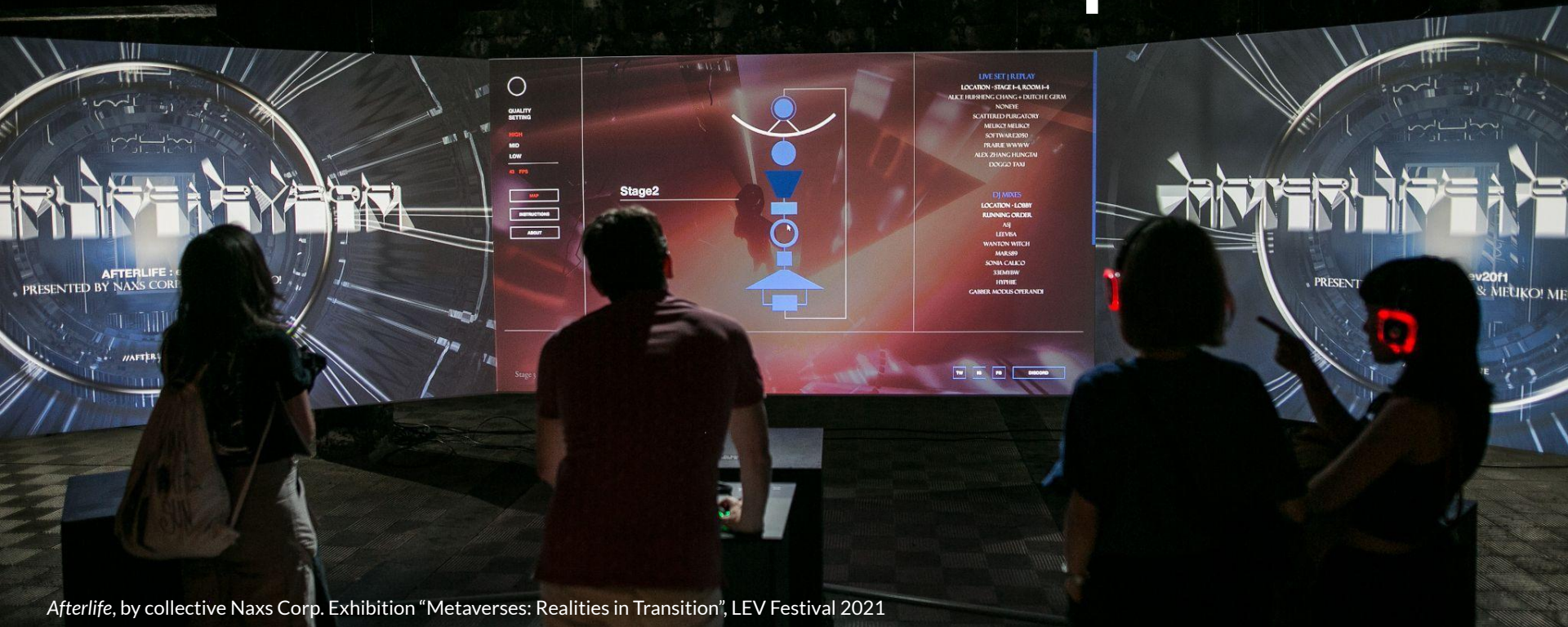
XR EXHIBITIONS



To show the latest XR related art pieces developed by the international community of artists.

To ease the access to this works of art to a wider audience by sharing the technology required for them.

Researching about XR cultural, social and ethical impact.





RIT
REALITIES IN
TRANSITION

XR LABS & WORKSHOPS



WHY?

To transmit open source technical, cultural and critical thinking tools for XR.

To engage members of the Creative and Activist European XR community, at a European level.

FOR WHOM?

Local students and young creators.



RIT
REALITIES IN
TRANSITION

RESIDENCIES



For 22 weeks, 17 emerging creators are supported by the RiT project during their artistic process. Through 3 international calls, RiT encourages inclusive and sustainable projects.

The artworks are then showcased in different exhibitions, fairs and festival supported by RiT.



RIT
REALITIES IN
TRANSITION

EUROPEAN XR CAMPS



Through networking activities, peer-to-peer learning workshops, conferences and hackathons, the XR Camps bring together the Creative and Activist European XR community every year.

The Camps are also the occasion to gather the community around artistic exhibition and performances of XR projects.



EUROPEAN XR MANIFESTO



The European XR manifesto is a statement of the values, principles, beliefs and mission of the Creative and Activist European XR community.

OVERTE

*An open-sourced,
truly decentralised
Metaverse*





During the past event *Betacamp: a streaming Party*. The RiT project hosted a virtual space “*We are the AI Resinthesizers*” on the platform Overte.org



What is Overte.org?

Overte is an open source virtual worlds and social VR software which enables you to create and share virtual worlds as virtual reality (VR) and desktop experiences. You can create and host your own virtual world, explore other worlds, meet and connect with other users, attend or host live VR events, and much more.

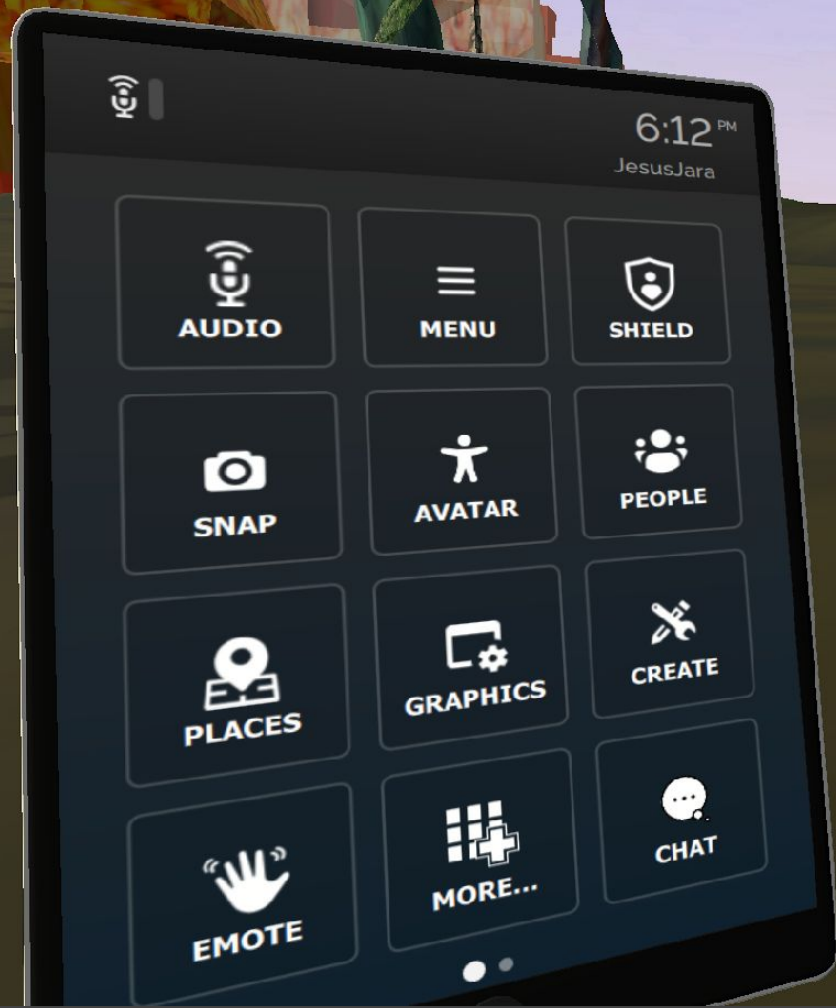
Overte.org





It provides:


- Collaborative world creation and editing
- VR support, including body tracking
- Scalability for up to 500 users in a single world
- Scripting in JavaScript, which allows creation of games, interactables, UI elements, and custom applications
- High quality low latency spatial audio
- Powerful physics through Bullet physics engine
- Fully open-source under the permissive Apache 2.0 license
- No central authority. You can run your own server from home.
- No user account required
- Supported by a democratic non-profit organization



We would like to share the wonderful experience of hosting a virtual space using the Overte platform.

What will you need?


We are going to show how to run a local instance of a virtual space on a PC running Windows 10 or 11 (64-bit). Alternatively, there are documentation on how to install the software on a Linux Machine.



What will you need?

During the process you will also need an account on Overte.org


Although it is not required for using it, it is needed to host a virtual space.



Watch out!

We are going to show how to host a virtual space with already existing 3D models.

3D Modelling a virtual space falls outside the scope of this guide.





This tutorial has three parts:

**Set up a
Domain
server**

**Configure
your
Domain
settings**

**Upload
content to
your
Domain**



1) Setup a Domain Server



Domain Server

Select the appropriate package for your distribution and architecture for

There are also Docker images available on hub.docker.com . These i

Windows

The Windows installer contains both Interface and the Domain Server. It always rerun the installer later to install the server software afterward.

Windows Installer for x86_64 

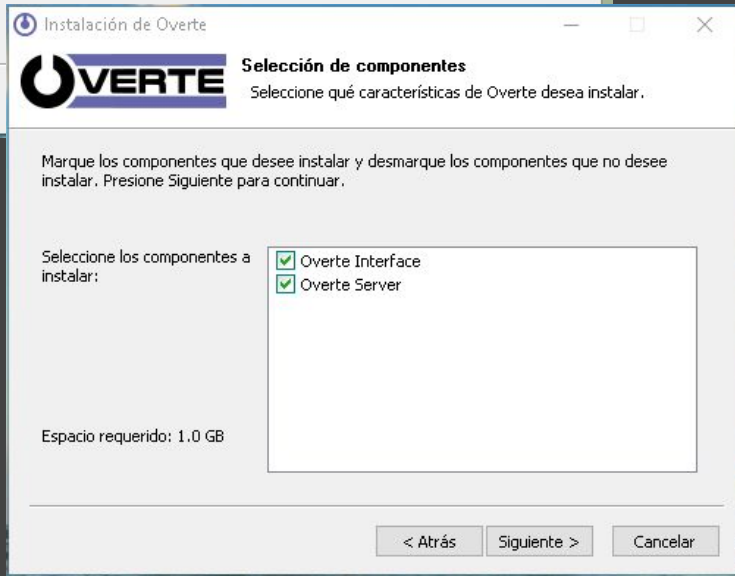
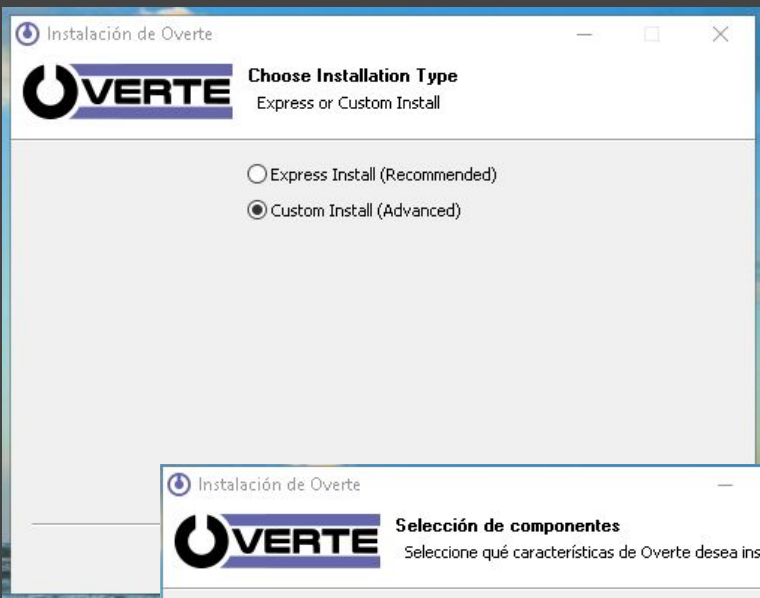
Note

Windows Defender might display a warning about the Windows i

Source

Our source code is available on our [GitHub repository](#) . If you intend improvements.

Go to [Overte.org](https://overte.org) >>
Downloads and
download the
overte installer for
Windows Operating
System.



Run the installer, choose the path to install, the “Custom Install” check and then make sure you install both the interface and the Overte Server.

Server - Started

Version - 2024.11.1

Visit Local Server

Restart Server

Stop Server

Settings

View Logs

Share

GoTo

People

Inventory

Show Notifications

Quit



Once it is installed, you can go to the Windows System Tray and right click on the Overte green icon.

In order to proceed, click “Settings”

Step 1 of 4

Connect your Directory Services to be able to make your domain discoverable and add account based authentication. You can always do this later.

Connect your Directory Services account

Skip

This will open a localhost domain-server window on your browser, asking to connect to your Services Account. Click on that.

Get Domain Token

Generate a domain token to link your domain to your account by logging in below.

If you do not have an account yet then use the Create Account option instead.

After you press the "Get Token" button, copy the resulting token string and paste it into the domain registration page.

[GET TOKEN](#) [CREATE ACCOUNT](#)

USERNAME

PASSWORD

GET TOKEN

This will open the server login account, where you can do two things:

- 1) Create your own Overte account.
- 2) Use your credentials to get a token, copy it and come back to the previous page.

Step 1 of 4

Connect your Directory Services to be able to make your domain discoverable and add account based authentication. You can always do this later.

Connect your Directory Services account

Connect Account

Paste your created access token here.

If you did not successfully create an access token click cancel below and attempt to connect your account again.

Cancel

OK

Use your recently generated token to create a Domain in Overte by pasting it on the pop up window and give a describing and unique name for it on the following pop up window.

Step 2 of 4

You have been assigned administrator privileges to this domain.

Add more Directory Services usernames to grant administrator privileges

separate by commas (user1, user2,..)

Grant basic permissions to other users. You can change these later.

Who can connect to your domain? ⓘ

None Friends Users logged into the Directory Services Everyone

Who can rez items in your domain? ⓘ

None Friends Users logged into the Directory Services Everyone

Back

Next

Step 3 of 4

Your server settings are currently accessible without a username and password. Adding credentials will ensure that only authorized users have access to modify the settings.

Create a username and password to secure the access to your domain server settings.

Username

This does not have to be your Directory Services username

Enter password

This should not be the same as your Directory Services password

Re-enter password

Back

Next

Steps 2 and 3 are all about granting privileges to users: Step 2 allows you to configure who can access to your world and is also able to edit content.

Step 2 of 4

You have been assigned administrator privileges to this domain.

Add more Directory Services usernames to grant administrator privileges

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Enter password

This should not be the same as your Directory Services password

Re-enter password

Back

Next

While Step 3 allows you to configure who access these server settings. For a public Domain, it is very advisable to create a user and a strong password.

Acceder
http://localhost:40100

Nombre de usuario

Contraseña

After that you will be asked for that user/password to enter the settings every time you open your local server settings.

Step 4 of 4

Would you like use automatic threading for your server's avatars and audio? If you are hosting this server on your local computer and have limited resources, consider turning this off or the server may slow down your computer when the server is used extensively. If you are running this server on a powerful system, or cloud server, and intend to have a large audience keep this setting turned on.

Enable Automatic Threading

Back

Finish

Nodes Assignment Content ▾ Settings ▾

Visit in VR

Save

Restart

Your domain content settings are now available in Content

Networking / Directory Services

Directory Services Account Connected

Disconnect

Automatic Networking

Full: update both the IP address and port to reach my server ▾

This defines how other users will be able to reach your domain-server.
If you don't want to deal with any network settings, use full automatic networking.

Advanced Settings ▾

Places

Last step allows you configure automatic threading for avatars or not. It is safe to leave it checked, but on slow computers might be wise to uncheck it. You will be now redirected to the administration panel of your local Overt Domain.

2) Configure your Domain Settings



Networking / Directory Services

Directory Services Account Connected

Disconnect

Automatic Networking

Full: update both the IP address and port to reach my server

This defines how other users will be able to reach your domain-server.
If you don't want to deal with any network settings, use full automatic networking.

Advanced Settings

Access Token

0181257f-efb2-438b-b779-a4d9bb78c3f0

This is your OAuth access token to connect this domain-server with your Directory Services account.
It can be generated by clicking the 'Connect Account' button above.
You can also go to the Security page of your account on your Directory Server and generate a token with the 'domains' scope and paste it here.

Domain ID

a9536684-89a2-4f63-a208-6c624310fdef

Create new domain ID

Choose from my domains

This is your Directory Services domain ID. If you do not want your domain to be registered in the Directory Services you can leave this blank.

Local UDP Port

40102

This is the local port your domain-server binds to for UDP connections.
Depending on your router, this may need to be changed to unique values for each domain-server in order to run multiple full automatic networking domain-servers in the same network. You can use the value 0 to have the domain-server select a random port, which will help in preventing port collisions.

Enable Packet Verification

ON

Enable secure checksums on communication that uses the Directory Services protocol. Increases security with possibly a small performance penalty.

Now it is time to configure our Domain. *Networking / Directory Services* allows you to check that you have an Access Token and a Domain ID ready for use. Other configuration settings can be evaluated on *Overte Documentation*.

Nodes Assignment Content Settings

Visit in VR Save Restart

Places

Places

To point places to this domain, go to the Places page in your Directory Services account.

Networking / Crash Reporting

Advanced Settings

Networking / WebRTC

Advanced Settings

Places

Show Only Mine Search

Thumbnail	Place Name	Users	Maturity	Actions
	RITplace	1	unrated	

Rows per page: 10 1-1 of 1

Let's now check that we have a *Place* pointing to your domain. Check the Places link to access the Overte.org dashboard page and check under Places menu. If there is no place, you can create one and select your already existing Domain to point to it.

Security 1

HTTP Username

Username used for basic HTTP authentication.

HTTP Password

Password used for basic HTTP authentication. Leave this alone if you do not want to change it.

Verify HTTP Password

Must match the password entered above for change to be saved.

Approved Script and QML URLs (Not Enabled)

Domain-Wide User Permissions

Indicate which types of users can have which domain-wide permissions.

Standard Permissions

Type of User	Permissions ?										
	Connect	Avatar Entities	Lock / Unlock	Rez	Rez Temporary	Write Assets	Ignore Max Capacity	Kick Users	Replace Content	Get and Set Private User Data	View Asset URLs
anonymous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
friends	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
localhost	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
logged-in	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

You can double checked the specific account that can access the local hosted Overt configuration, and make sure you allow rights to localhost account. Setting specific permissions to other types of accounts: friends, logged-in or anonymous.



English

Search Overte Docs

Looking for API Reference
Documentation?

HOME
EXPLORE
CREATE
SCRIPT

HOST

Get Started with Hosting
Set Up a Domain Server

Configure Your Domain Settings

Define Your Network Settings
Set Up a Place Name
Assign User Permissions
Secure Your Domain Settings
Protect Your Domain's Content
Define Your Audio Environment

Add Content to Your Domain
Bring Visitors to Your Domain
Maintain Your Domain

CONTRIBUTE
DEVELOP
SECURITY
FAQ

You are here: [Home](#) » [Host](#) » Configure Your Domain Settings

[Edit on GitHub](#)

Configure Your Domain Settings

Your domain comes with a comprehensive set of configuration options that let you customize its networking properties, security, behavior, and more. To access your domain settings:

- For cloud hosted domains: Open a browser and enter the URL <http://<insert your server's IP address here>:40100/settings>. Log in when prompted.
- For local servers on Windows: Click on the Overte icon in the system tray, then click 'Settings'.
- For local servers running on any OS, go to <http://localhost:40100/settings>.

In This Section

- [Define Your Network Settings](#)
- [Set Up a Place Name](#)
- [Assign User Permissions](#)
- [Secure Your Domain Settings](#)
- [Protect Your Domain's Content](#)
- [Define Your Audio Environment](#)

[Previous](#)

[Next](#)

[en](#) [latest](#)

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Copyright 2022-2024, Overte e.V..

For more information and for more specific configuration details and what are they used for, you can always refer to the Overte Documentation or connect to their Discord Server.

3) Upload content to your Domain



Server - Started

Version - 2024.11.1

Visit Local Server

Restart Server

Stop Server

Settings

View Logs

Share

GoTo

People

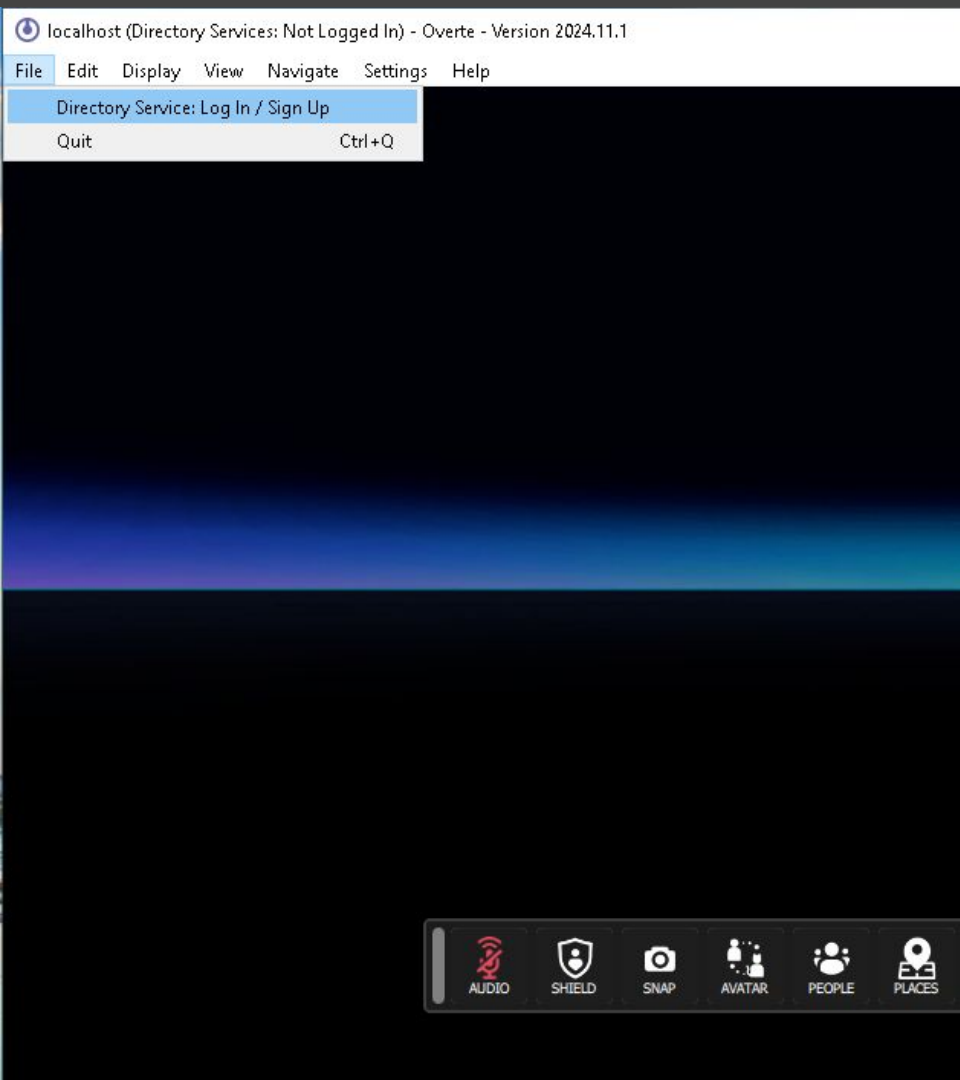
Inventory

Show Notifications

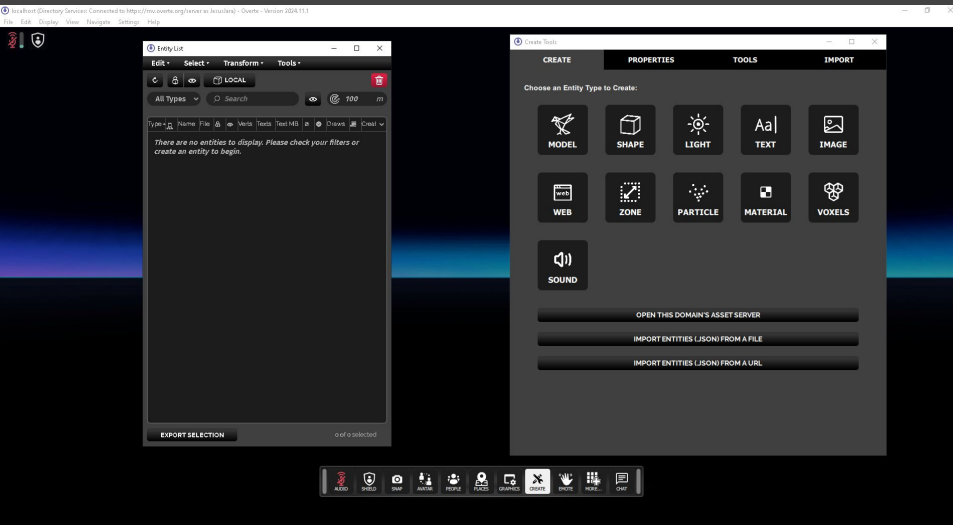
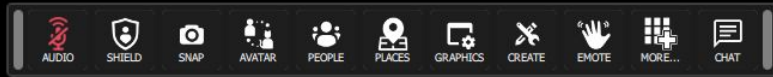
Quit



Go again, to your Windows System Tray and click over the green Overte server icon. Before continue, it might be wise to *restart* the Server and then choose “Visit Local Server” this time.



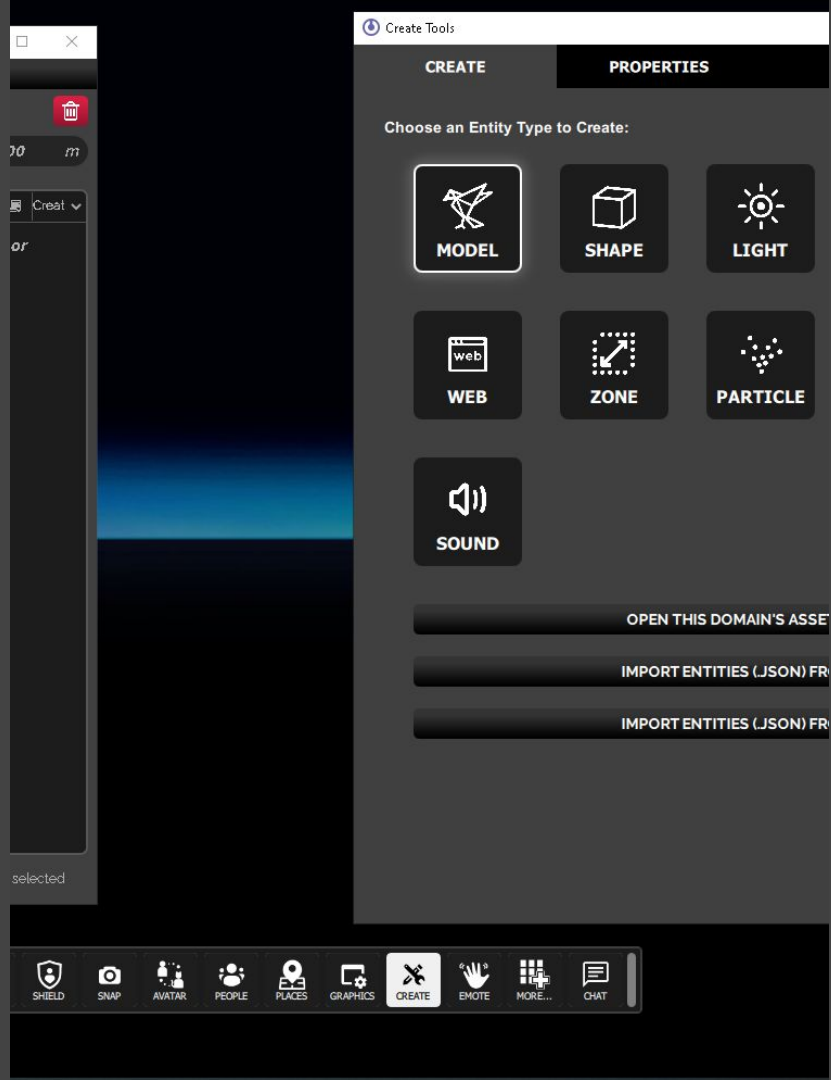
Then, the local Overte client would open and connect to your local hosted Domain. If logged out, you can log in with your same account at File > *Directory Service: Log in / Sign Up*



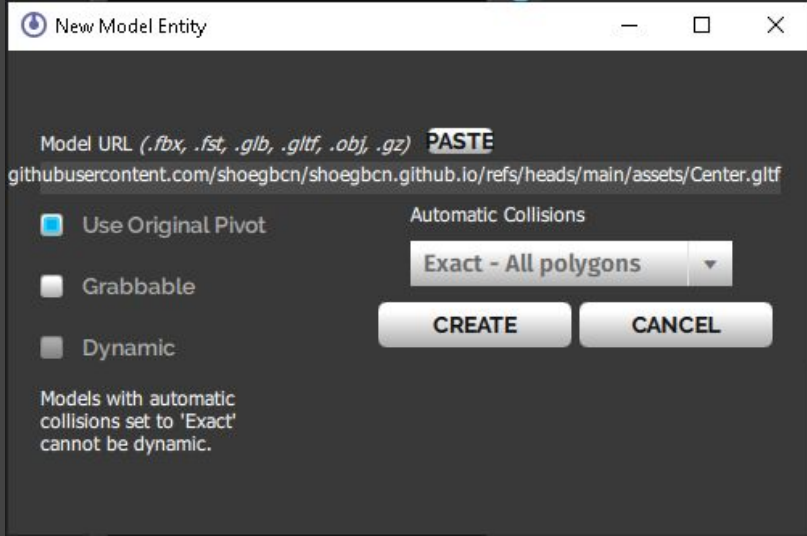
Under the bottom menu, click “Create” to open the panels for adding content and entities to your Domain. If unable to click on Create, check permissions on your user.



The best way to add 3D entities to your world is by copy/pasting the url where they are hosted. Use web services like Github to host 3D models.

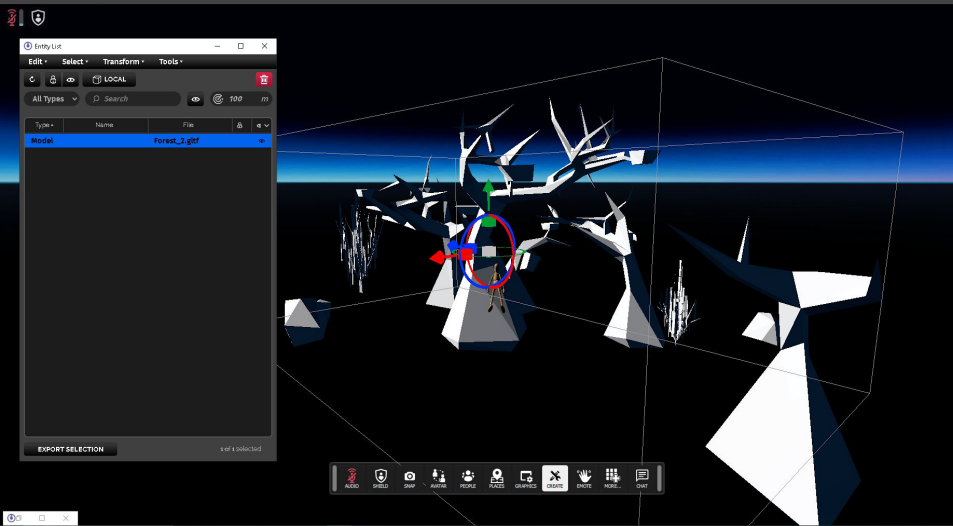


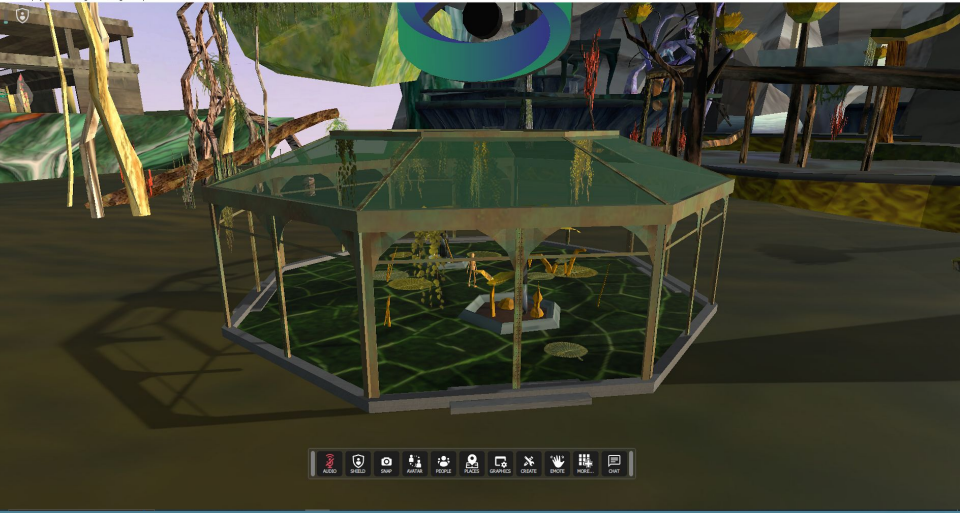
To link an online 3d model to your world, click on the “Create Tools” panel, under “Create” on the “Model” button.



Paste the “raw” address of your model from Github or your web hosting service on the New Model Entity window, select if there will be collision to this object, and other properties like “grabbable”. Then click on “Create”.

The object will be then imported to the scene. By selecting it on the left panel you can move, rotate and scale like in other 3D software platforms.





By repeating this process of pasting your 3D entities, you will see your world slowly getting into shape.

The same method allows you to create and manage lighting, sound, shadows, avatars or animations.



This very same process on a public server would become accessible to other Overté users.



In case of problems or errors, the best way to get help is at the #help channel at Overte Discord server:

<https://discord.gg/4YuQvc8K2f>



RIT
REALITIES IN
TRANSITION

Three circles of varying sizes are arranged around the text. One is at the top left, one is at the bottom right, and the largest one is on the right side of the text.

THANKS