

RoomHouse

Your Unique Online Communication Space

Effortless Communication in a Snap

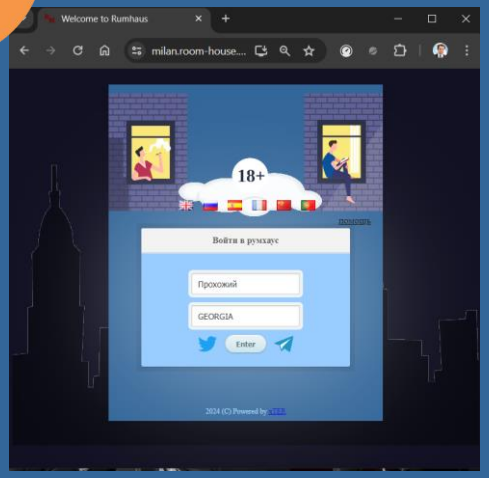
Free and Eazy!

1 Connect

www.

- Use the permanent weblink provided by the space owner

2 Enter



- Choose your display name
- Click "Enter“, complete the captcha

3 Communicate



- Wait for the channels to open
- Enjoy streaming, chatting, and exploring other rooms

Why Choose RoomHouse



Permanent Online Home:
Secure your unique web address





Free for Everyone:
Enjoy at no cost



Private & Anonymous:
Maintain your privacy at all times



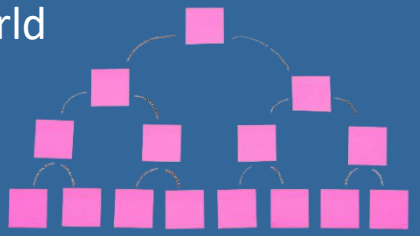
Express Yourself: Customize your space with 3D interiors



Real-Life Mechanics:
Simulate real-world scenarios



Enhanced User Experience:
Innovative and engaging interactions



Complex Structures: Create intricate and multi-leveled environments



Secure Payments:
Guaranteed transactions for services and cross-border deals*

* Being developed

Who Can Benefit from RoomHouse



Professional Services: Lawyers, advocates, financial advisors, psychologists, health & beauty experts, and more



Corporate & Common Communications: Ideal for virtual teams, geo-distributed organizations, public offices, interest-based clubs, and social gatherings



Real Estate & Design: Perfect for real estate developers, sales agents, and interior designers



Product & Service Demos: Showcase goods and services, offer consultations, and related activities



Customer Support: Emergency hotlines, customer service, call centers, and similar functions



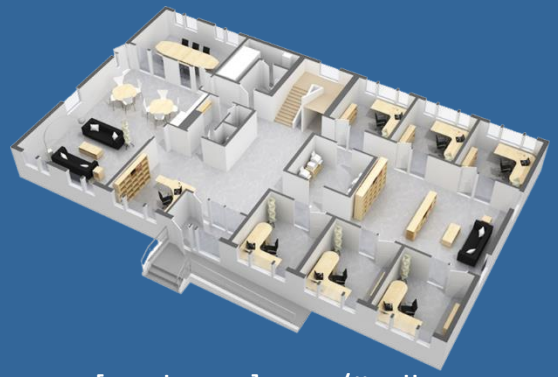
Education & Training: Universities, coaches, personal trainers, and tutors

Structure of Online Space

*RoomHouse = virtual house (building) with any number of apartments (offices) with any layouts, with "live" 3D interiors and with free moving between available rooms (cabinets) **



www.[my-home].com/#autodealer

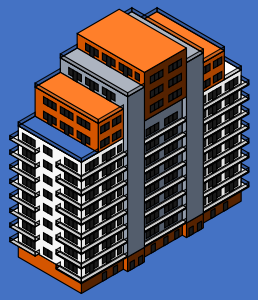


www.[my-home].com/#callcenter



www.[my-home].com/#appartment

Building = nod of RoomHouse network



www.[my-home].com

- Nod = RoomHouse software, running on users equipment
- Permanent own web-address



www.[my-home].com/#office

* Number of apartments and rooms is technically unlimited. Current version of web interface supports up to 6 rooms.

Unique Features



Your Personal Platform

- Operates as software, is not reliant on third-party services like Zoom and Skype
- Designed for personal, social, and business use
- Customizable according to your preferences and rules
- No restrictions or sanctions applied
- With your own administrative panel for management



Peace of Mind and Convenience

- Contacts only reach you when desired, providing peace of mind
- Eliminates spam and unwanted incoming calls for a hassle-free experience

Virtual Reality Experience

- Incorporates real-life mechanics into online
- Multi-leveled environment for a realistic experience: House → Apartment → Room
- Emulates a guest visit rather than a simple call
- Hosts invited and random guests for a dynamic interaction





Freedom of Expression

- Offers a permanent web address for your online presence
- Allows customization of online spaces with various structures and layouts
- Features realistic 3D interiors for an immersive experience
- Provides a wide range of application options for versatility

Secure Communication

- Utilizes direct P2P (point-to-point) connections for protected communications
- Does not collect or utilize personal data
- Advanced security features for secure management
- Decentralized concept with no central servers for enhanced privacy
- Regular internet channels utilized, ensuring no traffic monitoring or control



Regular Functionality & Features



Works on any modern internet device



Up to 7 active participants (with video ON)



Chat for visitors, including spectators



Unlimited number of spectators (depends on channel capacity)



Complete privacy with no links to your phone number, email, or any other personal data.



Works in web-browser, no other application is required

- Streaming video from camera, computer desktop, selected window Switching between cameras
- Various modes: Picture-in-picture, Maximized window etc.



Enjoy Online Sessions in Your Unique Way



Create own style for decorating online space



Take a closer look at realistic 3D interiors: let “camera” autorotate or position it manually



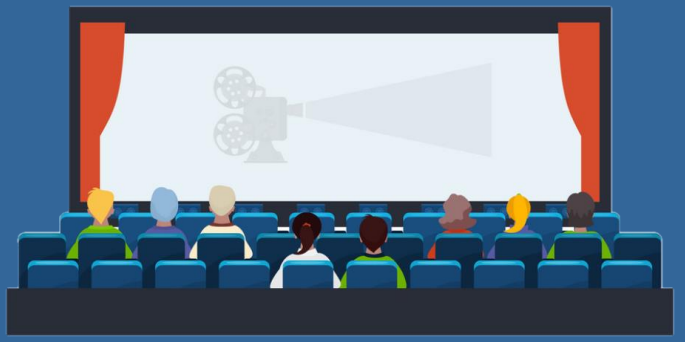
Visit multiple rooms freely and at will



Launch multiple sessions from one device



Use integrated crypto-coin for internal payments



Watch video files and streams, including after paying for view with integrated crypto-coin

- Control voice-level of each participant
- Close windows with unwanted participants
- See statistics of visitors and participants
- Know geo-location of participants



Administrate Your Online Space



Manage the Participant Waiting Queue

Switch ON/OFF node & apartments



Recorder sessions



Remove disruptive participants and prevent them from re-joining the session



- Securely control (lock/unlock) access to designated apartments
- Manage a list of approved visitors permitted to enter locked apartments

Setup API services



Transfer owner rights in the event of apartment sale or rental



- Configure apartments and entire spaces
- Manage web-address of your spaces
- Establish limits for maximum active participants

Key Elements of Interface*



Space web-address

Selfie/main camera

Back/additional camera

All sound ON/OFF

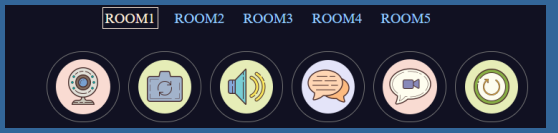
Show/hide chat window

All video ON/OFF, select window to demonstrate

Reload/Exit

Interior camera autorotation ON/OFF, manual positioning

Interior ON/OFF, show available rooms to enter



Number of active participants

Number of spectators

Total number of visitors

Start internet streaming

Play Poker (technology demonstrator)

Play Chess (technology demonstrator)

Participant window

Selecting video options (maximize, picture-in-picture etc.), options depend on browser being used

Close window of participant

Managing sound of participant

Participant name

Participant location (by IP geo-data)

Microphone management (user-participant)

* Can be changed independently from functionality

Behind the Scenes

1 Connect

RoomHouse node



- Device approaches the node
- Node launches session for the device of a visitor

2 Enter

RoomHouse node



- Node runs authorization routine
- Node created a room for the device of a visitor
- Node establishes direct channels (point-to-point) between devices “present” in the respective room

3 Communicate

RoomHouse node



- Node disconnects from the device of a visitor
- Devices interact directly within autonomous room

Technical Information

Key elements of the software package

- xTER MediaServer* (Kurento inside) – the main element of RoomHouse
- Kurento WebRTC media server – open source solution, running under management of xTER MediaServer
- xTER SafeContainer* – encrypted container for delivery, installation, launching and protection of RoomHouse software package
- Operating system CentOS, other service files and libraries

Requirements for launching RoomHouse node

- Permanent (White) IP address for connecting to Internet
- Equipment for node infrastructure, one of the options:
  - ✓ Bare metal – almost any working computer (excluding obsolete)
  - ✓ Virtual machine – RAM from 3 to 5 Gb, disk space 2 Gb
- IT specialist or experienced user to setup local network, available options:
  - ✓ 1 node on 1 computer, 1 router
  - ✓ Several computers with 1 node on each, 1 router, 1 proxy-server
  - ✓ Several nodes (virtual machines) on 1 computer, 1 router, 1 proxy-server
- Experienced user for daily routine of node administration

Requirements to RoomHouse visitor

- Working internet device with actual version of internet browser
- Common sense and general internet experience

* Own know-how

Thank you!



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room-house.com
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