


# What's new in Jami

LibrePlanet 2023

`bandali@gnu.org`



What is Jami?



**Jami** is free software for universal communication that respects the freedom and privacy of its users.



**Jami** is developed by **Savoir-faire Linux**® (SFL), based in Montréal, Canada. Savoir-faire Linux are a team of free software consultants that provide training, consulting, development, and support services for free software technologies.



**Jami** is an  
**end-to-end encrypted** secure and **distributed**  
voice, video, and chat **communication platform**  
that requires **no central server**, and puts the  
power of **privacy** and **freedom** in the rightful  
hands of **users**.

## Key features of **Jami**

- 1-on-1 and group chats
- calling and conferencing
- audio/video messaging
- screen sharing
- file sharing
- plugins (+ SDK)
  - green screen
  - watermark
  - audio filters
  - ...and more!
- SIP phone

p2p and distributed

## Key features of **Jami**

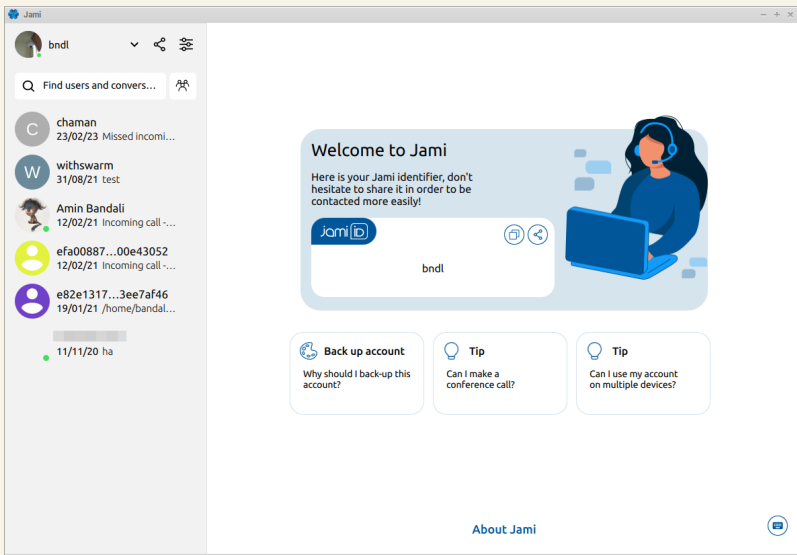
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**p2p** and **distributed**

What's new in Jami?



jami-qt

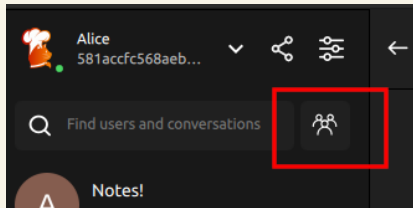


jami — main window

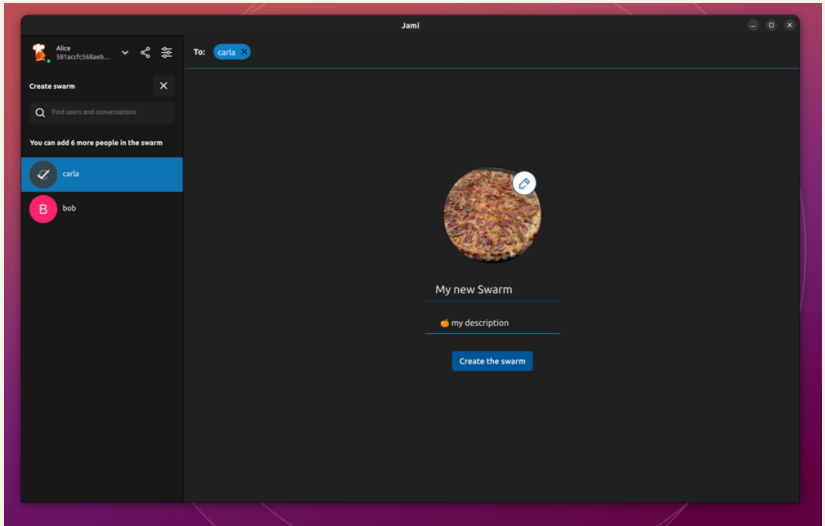
# Swarm

1-on-1 + group chats

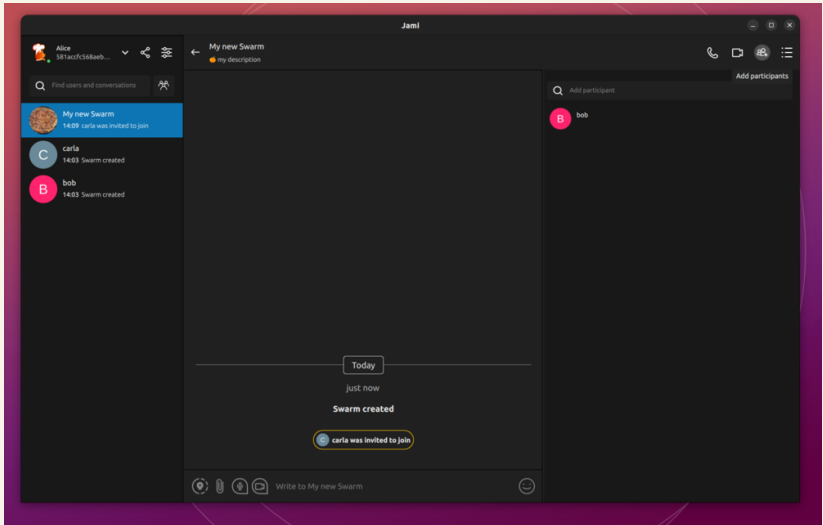
(currently groups of up to 8 members)



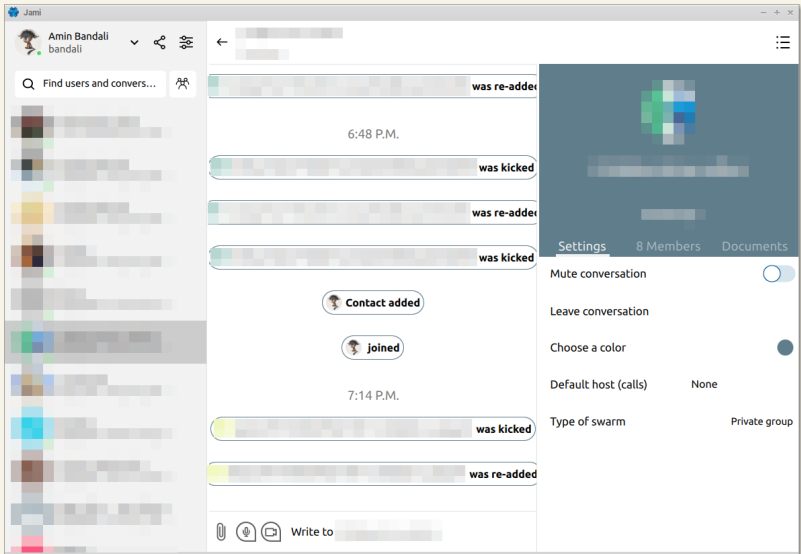
jami — creating a swarm



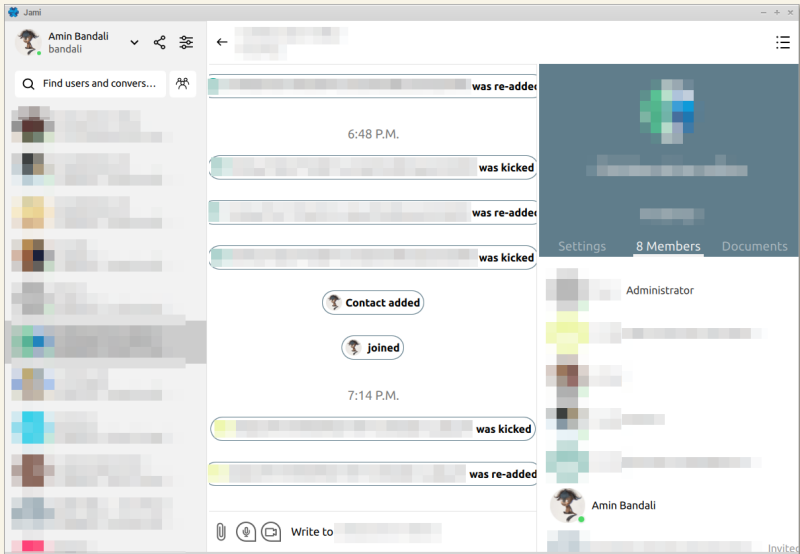
jami — initializing a swarm



jami — adding and removing members for a swarm

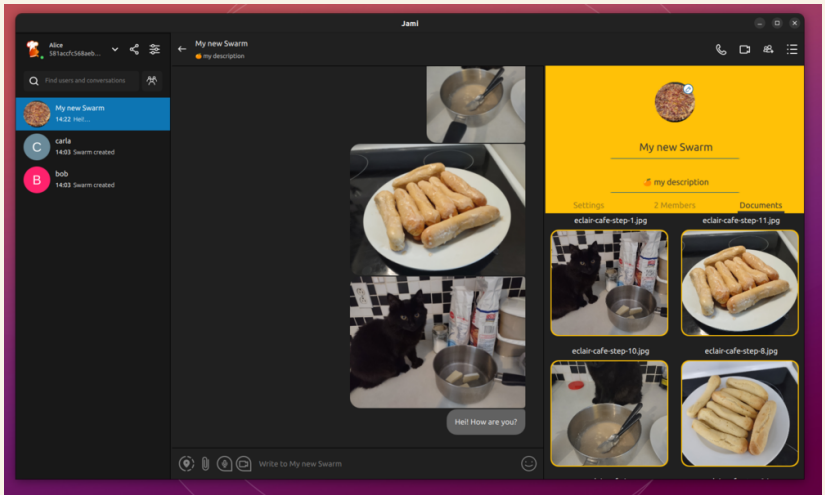


jami — swarm panel showing conversation settings

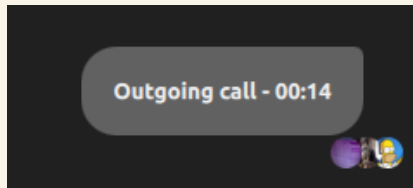


jami — swarm panel showing conversation members

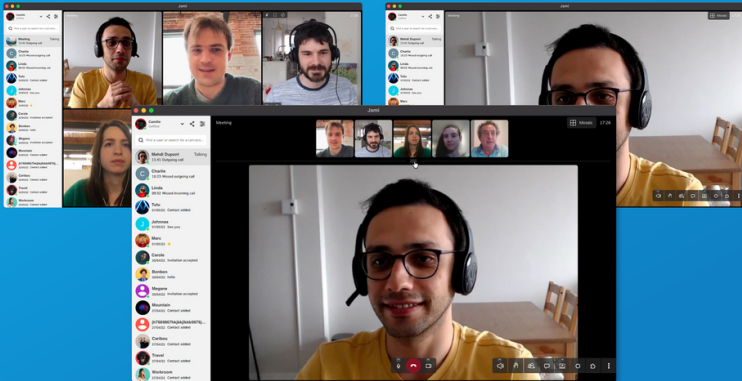




jami — swarm panel showing shared documents



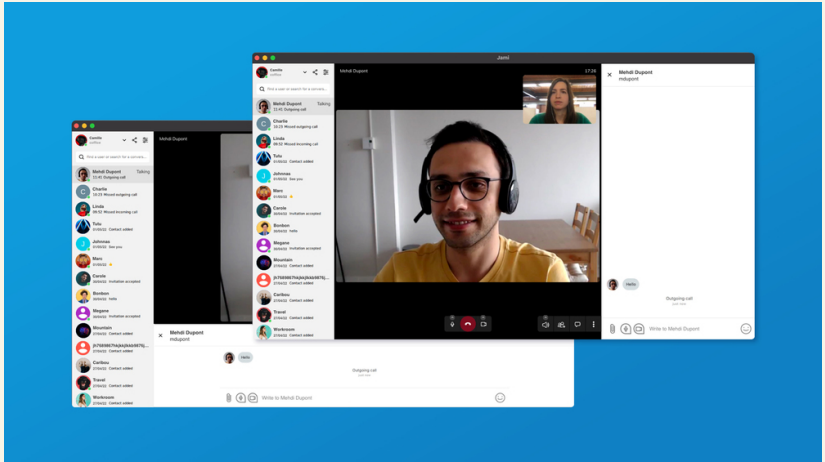
jami — swarm message read status



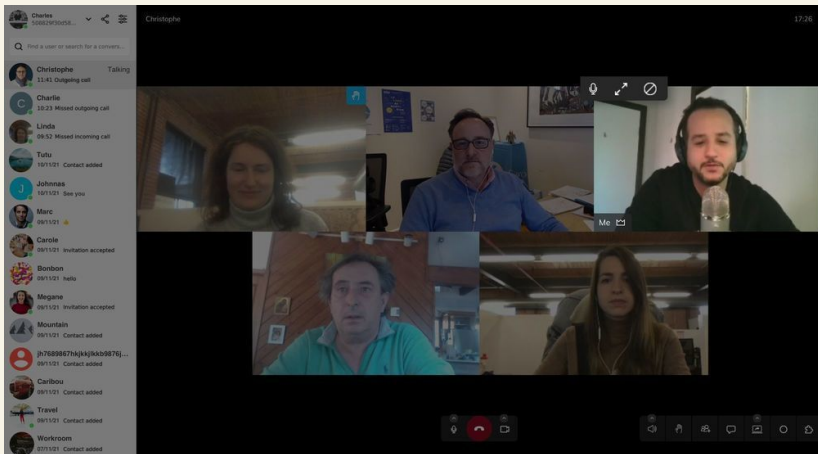
jami — more flexible conference video layouts



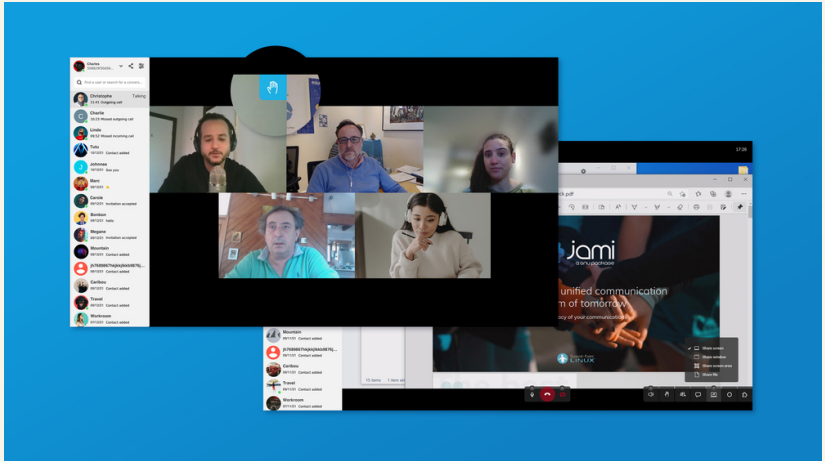
jami — conference layout settings, e.g. hiding audio-only participants



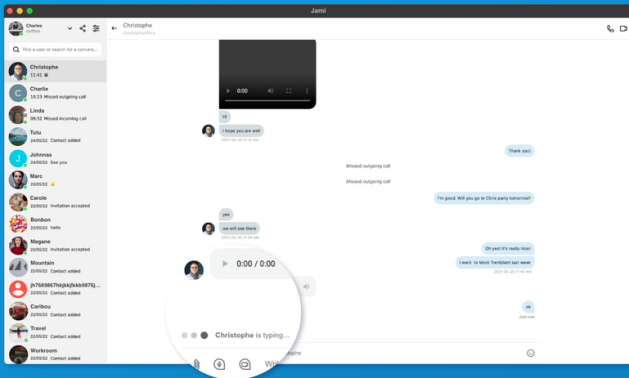
jami — horizontal and vertical in-call chatview split



jami — conference moderation tools

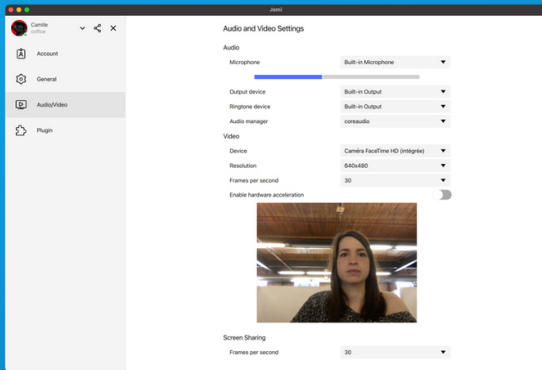


jami — 'raise hand' feature

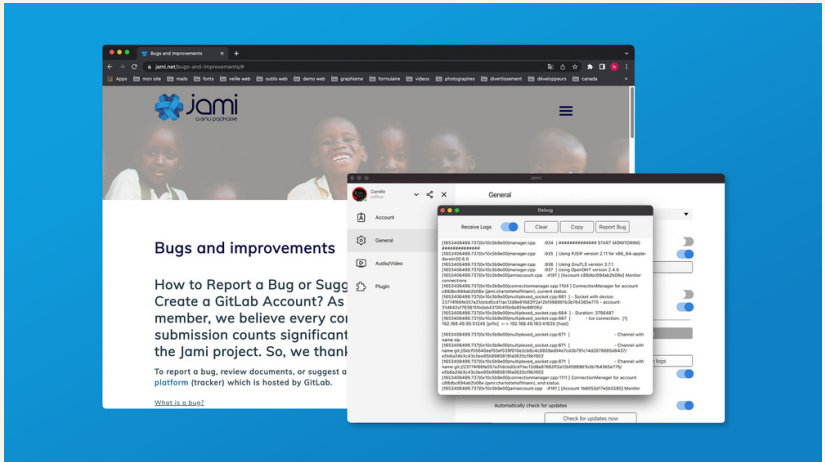


jami — chatview typing indicator

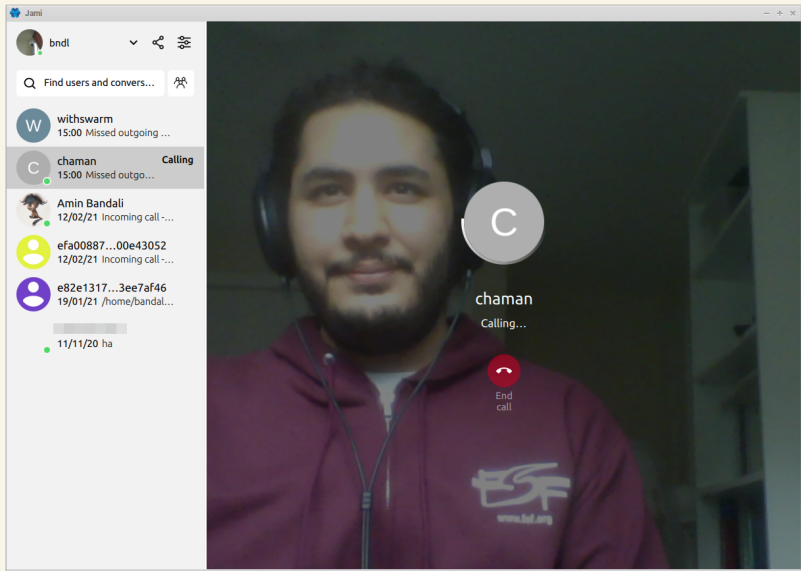




jami — changing ringtone device



jami — debug logs within the client (user interface)



jami — call preview screen

# UnifiedPush

push notifications, in freedom

(for incoming calls and messages on mobile)

[jami.net/unifiedpush](http://jami.net/unifiedpush)



Green Screen



Watermark



Audio filter




Auto answer

# Whisper plugin

for live captions

(transcription + translation)



Conille  
cutrice

Find a user or search for a conversa...

Aline  
11:41 Outgoing call Talking

Charlie  
10:23 Missed outgoing call

Linda  
09:52 Missed incoming call

Tulu  
01/03/23 Contact added

Johanna  
01/03/23 See you

Marc  
01/03/23

Carole  
30/02/23 Invitation accepted

Bonbon  
30/02/23 hello

Megane  
30/02/23 Invitation accepted

Mountain  
30/02/23 Contact added

jh769867hkjkkjkkb9876j...  
30/02/23 Contact added

Caribou  
30/02/23 Contact added

Travel  
30/02/23 Contact added

Workroom  
30/02/23 Contact added

I think that's fantastic. I think that is a perfect example of how recipes move around the world.

Whisper plugin for **Jami**

Future work: payment plugin



# JAMS

(**Jami** Account Management Server)

The screenshot displays the JAMS user management interface. On the left is a dark sidebar with navigation options: 'users', 'Groups', 'Blueprints', 'Settings', and 'Logout'. The main area features a search bar with the text 'Search users using (username, first name, last name)' and a search icon. Below the search bar is a grid of 24 user cards, arranged in 4 rows and 6 columns. Each card contains a circular profile picture, the user's name, and their username. Below the username are two small icons: a blue plus sign and a black square with a white 'S'. At the top of the main area, there is a checkbox labeled 'Display revoked users' and a pagination control showing '1 2 3'.

Profile Picture	Name	Username	Icons
	Adel Bridagi	abridagi	+ S
	Aurélien Berry	aberry	+ S
	Amélie Gorafle	agorafle	+ S
	Alexandre Lucien	alucien	+ S
	Amira Claf	aclofe	+ S
	Amir Plite	aplite	+ S
	Alan Tobrige	altobrige	+ S
	Amin Traoris	atraoris	+ S
	Aurel Yokata	ayokata	+ S
	Camille Haman	chaman	+ S
	Christophe Imbrani	cimbrani	+ S
	Charline Perrot	cperrot	+ S
	Christophe Village	cvillage	+ S
	Cyrille Berac	cberac	+ S
	Eloi Bellard	ebellard	+ S
	Edouard Duchene	educhene	+ S
	Emeline Ribaud	eribaud	+ S
	Emmanuelle Masson	emasson	+ S

JAMS — an organization's list of users

The screenshot displays the JAMS user interface. On the left is a dark sidebar with the 'jams DU AGRI' logo and navigation options: Users, Groups, Blueprints, and Settings. The main content area has a teal header with 'PROFILE', 'DEVICES', and 'CONTACTS' tabs. The profile card for 'alucien' shows a circular profile picture, the name 'alucien', and an 'Active' status. Below the name are details: a person icon for 'Alexandre Lucien', a key icon for '176', a house icon for 'Saturnaille', and an email icon for 'alexandre.lucien@saturnaille.com'. A teal 'REVOKED USER' button is at the bottom right of the card. Below the card is a section titled 'ADD USER TO A GROUP' with a table header 'Group name' and an 'Action' column. The footer contains the text 'JAMS Version 3.3 - © 2023 Savoir-Faire Linux Inc.' and a 'Logout' link in the sidebar.

JAMS — a user's profile

The screenshot displays the JAMS (JAMStack Admin) web interface. On the left is a dark sidebar with the JAMS logo and navigation options: Users, Groups, Blueprints, Settings, and Logout. The main content area has a teal header with tabs for PROFILE, DEVICES, and CONTACTS. The DEVICES tab is active, showing a table of registered devices. The table has columns for Device Name, Device Id, Status, and Actions. Five devices are listed, all with a status of 'Active'. The Actions column contains a red 'X' icon and a blue pencil icon for each device.

Device Name	Device Id	Status	Actions
Samsung SM-T765	hdy489bqpx378jhg578bnkjhgf678jhg78jhg77	Active	<span>✖</span> <span>✎</span>
Google Pixel 4 XL	bgfy87654edfghjklm67890kjhgf5432109876	Active	<span>✖</span> <span>✎</span>
Google Pixel 4 XL	hgjy487654321098765432109876543210	Active	<span>✖</span> <span>✎</span>
Google Pixel 4 XL	hg56787654321098765432109876543210	Active	<span>✖</span> <span>✎</span>
Google Pixel 4 XL	101y487654321098765432109876543210	Active	<span>✖</span> <span>✎</span>

JAMS Version 3.3 - © 2023 Savoir-Faire Linux Inc.

JAMS — a user's devices

**jams**  
DU AGN

users  
Groups  
Blueprints  
Settings  
Logout

PROFILE DEVICES **CONTACTS**

+ ADD CONTACT

Search contact fields (URL, firstname, lastname) 🔍

 <b>Adel Bindaqi</b> ✉️ abridagi Saturnalite Conversation id: kjghfyuip kjgh56789576543210 gftfyu897654	 <b>Aurélien Berry</b> ✉️ aberry Saturnalite Conversation id: mnhg576543210kjgh56789576543210 ry7654321	 <b>Amélie Gorafe</b> ✉️ agorafe Saturnalite Conversation id: jhg56789543210kjgh56789543210 re456784ert	 <b>Alexandre Lucien</b> ✉️ alucien Saturnalite Conversation id: 76543210kjgh56789543210kjgh56789543210 uy5678956	 <b>Amira Claf</b> ✉️ aclaf Saturnalite Conversation id: jghy789543210kjgh56789543210kjgh56789543210 r5678543ygr	 <b>Anir Plata</b> ✉️ aplate Saturnalite Conversation id: jghfyu876543210kjgh56789543210kjgh56789543210 tny678543yuh
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JAMS Version 3.3 - © 2023 Savoir-Faire Linux Inc.

JAMS — a user's contacts

The screenshot displays the JAMS DU KONTI user interface. On the left is a dark sidebar with navigation options: 'users', 'Groups', 'Blueprints', and 'Settings'. The main area features a 'CREATE GROUP' button and a search bar. A grid of group cards is visible, each representing a group with one user and a specific blueprint. A 'Create group' modal dialog is open in the center, containing the following fields and options:

- Group name:** A text input field with a group icon icon, currently empty. Below it, the text 'Group name is empty' is displayed.
- Select a blueprint:** A dropdown menu with 'Rendezvous Creaa' selected.
- Buttons:** 'CANCEL' and 'CREATE' buttons at the bottom.

At the bottom right of the interface, the text 'JAMS Version 3.3 - © 2023 Savoir-Faire Linux Inc.' is visible.

## JAMS — creating a group

The screenshot displays the JAMS web interface for editing a group. On the left is a dark sidebar with the JAMS logo and navigation links: Users, Groups, Blueprints, Settings, and Logout. The main content area shows the group 'Rendezvous Crea' with an 'Edit group' link. Below the group name is a 'Select a blueprint' dropdown menu currently set to 'Rendezvous Crea'. A button labeled 'ADD USER TO RENDEZVOUS COOR' is visible. A table lists users with columns for Username, First name, Last name, and Action. One user is listed with Username 'rdv-crea', First name 'Team', and Last name 'Creation'. The Action column contains a 'REMOVE USER' button. The footer indicates 'JAMS Version 3.3 - © 2023 Savoir-faire Linux Inc.'

## JAMS — editing a group

The screenshot displays the JAMS user management interface. On the left is a dark sidebar with navigation options: 'users', 'Groups', 'Blueprints', and 'Settings'. The main area shows the 'Rendezvous Crea' group configuration. A modal window titled 'Add user to group ...' is open, showing a list of users to be added to the group. Below the modal, a table lists the group's members.

**Group Configuration:**

- Group Name: Rendezvous Crea
- Blueprint: Rendezvous Crea
- Button: ADD USER TO RENDEZVOUS COOR

**Group Members Table:**

Avatar	Username	First name	Last name
	rdv-crea	Team	Creation

**User Selection List:**

- Adel Briadgi
- Aurélien Berry
- Amélie Gorafe
- Alexandre Lucien
- Amina Otaf
- Amir Plate
- Alain Tobirge
- Amin Traoris
- Aurel Yokata
- Camille Haman
- Christophe Imbrami
- Charline Perrot
- Christophe Village
- Cynlle Berac
- Cybie Carol
- Christophe Dupré

JAMS — adding users to a group



The screenshot displays the JAMS DU ADON user interface. On the left is a dark sidebar with navigation options: Users, Groups, Blueprints, and Settings. The main area features a 'CREATE BLUEPRINT' button and a search bar. Below these are several blueprint cards, each representing a different location: Rendezvous Creteil, Rendezvous Tech, Rendezvous Cloud, Rendezvous Research, Rendezvous Web, Rendezvous Toronto, and Rendezvous Toulouse. Each card includes a group icon and a red status indicator. A 'Create blueprint' dialog box is open in the center, containing a 'Blueprint name' field with a warning icon and the text 'Blueprint name to empty'. At the bottom of the dialog are 'Cancel' and 'Create' buttons. The footer of the interface shows 'JAMS Version 3.3 - © 2023 Savoir-Faire Linux Inc.'

## JAMS — creating a blueprint

The screenshot displays the JAMS web interface. On the left is a dark sidebar with the JAMS logo and navigation links for Users, Groups, Blueprints, and Settings. The main content area has a teal header with 'PERMISSIONS' and 'CONFIGURATION' tabs. A modal window is open for the blueprint 'Rendezvous Crea', showing a list of permissions with checkboxes and toggle icons. Below the modal, there is a 'Rendezvous mode' section with a toggle and a button to 'ADD MODERATOR TO RENDEZVOUS CODR'. At the bottom, a table lists users with columns for Username, First name, Last name, and Action.

Username	First name	Last name	Action
atobirge	Alan	Tobirge	REMOVE MODERATOR

JAMS — editing a blueprint's permissions

The screenshot displays the JAMS web interface. On the left is a dark sidebar with the JAMS logo and navigation links for Users, Groups, Blueprints, Settings, and Logout. The main content area has a teal header with 'PERMISSIONS' and 'CONFIGURATION' tabs. A white configuration card for 'Rendezvous Crea' is shown, containing settings for UPnP, TURN, and DHT Proxy. The 'UPnP' section has a toggle switch for 'Enable UPnP' which is turned on. The 'TURN' section has three radio button options: 'Use Jami default TURN configuration' (selected), 'Use a custom TURN configuration', and 'Disable TURN configuration'. The 'DHT Proxy' section also has three radio button options: 'Use Jami default DHT Proxy configuration' (selected), 'Use a custom DHT Proxy configuration', and 'Disable DHT Proxy configuration'. A footer at the bottom right reads 'JAMS Version 3.3 - © 2023 Savoir-faire Linux Inc.'

JAMS — editing a blueprint's configuration

Download **Jami**

[jami.net/download](https://jami.net/download)

# Jami in Debian

(and **Trisquel**, and **Ubuntu**, ...)

# Housekeeping

# Release tarball naming scheme

`jami_YYYYMMDD.hhmm.COMMITID.tar.gz` → `jami-YYYYMMDD.X.tar.gz`

`jami_20220206.1142.1234abcd.tar.gz` → `jami-20220206.0.tar.gz`

[dl.jami.net/release/tarballs/](https://dl.jami.net/release/tarballs/)

`jami-client-qt.git`

now the primary source repository;  
`jami-project.git` deprecated



DRing → libjami

daemon's public C++ namespace

## And so much more!

- opening `jami:` URIs/links in **Jami** on GNU/Linux;
- using system theme on GNU/Linux and Windows;
- ability to translate **Jami** plugins much like **Jami** itself;
- improved UI/UX and visuals, thanks to revamped views;
- added and improved keyboard shortcuts for convenience and better accessibility; and
- many other improvements and bug fixes across various **Jami** subsystems like the connectivity and media stacks.

[git.jami.net/savoirfairelinux/jami-client-qt/-/wikis/Changelog](https://git.jami.net/savoirfairelinux/jami-client-qt/-/wikis/Changelog)

Community

Jami forum

[forum.jami.net](http://forum.jami.net)

# Jami mailing list

[jami@gnu.org](mailto:jami@gnu.org)

# Jami IRC channel

[#jami](#) on [Liberia.Chat](#)

(also accessible via Matrix bridge)

Jami blog

[jami.net/tag/blog](http://jami.net/tag/blog)

Contributing to **Jami**



# Code and patches

[review.jami.net](http://review.jami.net)

# Bug reports

`git.jami.net`

`docs.jami.net/user/bug-report-guide.html`

# Documentation

[docs.jami.net](https://docs.jami.net)

# Translations

[docs.jami.net/contribute.html](https://docs.jami.net/contribute.html)

# Plugins

[jami.net/plugins](http://jami.net/plugins)

[jami.net/plugins-sdk](http://jami.net/plugins-sdk)

# Packaging

[docs.jami.net/build/](https://docs.jami.net/build/)

# Donations

**Donate** on [jami.net](https://jami.net)

# Fund a feature

[contact@jami.net](mailto:contact@jami.net)

[docs.jami.net/developer/feature-requests.html](https://docs.jami.net/developer/feature-requests.html)



# JAMS support packages

[jami.biz](http://jami.biz)

*spread the <3 about Jami*

# Thanks!

Amin Bandali

[bandali@gnu.org](mailto:bandali@gnu.org)

[kelar.org/~bandali](http://kelar.org/~bandali)

# Slides available from

[kelar.org/~bandali/talks/jami-2023.html](http://kelar.org/~bandali/talks/jami-2023.html)

marked with *CC0 1.0 Universal*