


# Jami and how it empowers users

LibrePlanet 2021

Amin Bandali



**What is Jami?**

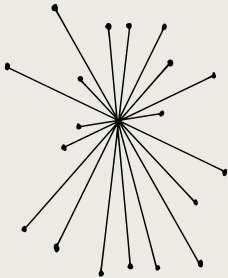


**Jami** is free software for universal communication  
that respects the freedom and privacy of its users

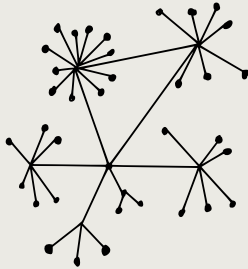
- one-on-one conversations
- file sharing
- audio/video calls & conferences
- screen sharing in video calls & conferences
- recording & sending audio/video messages
- SIP phone software functionality
- cross-platform communication framework

# **Architecture overview**

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



Centralized



Decentralized



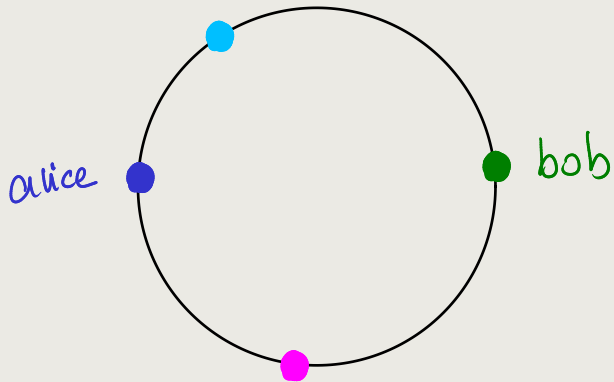
Distributed

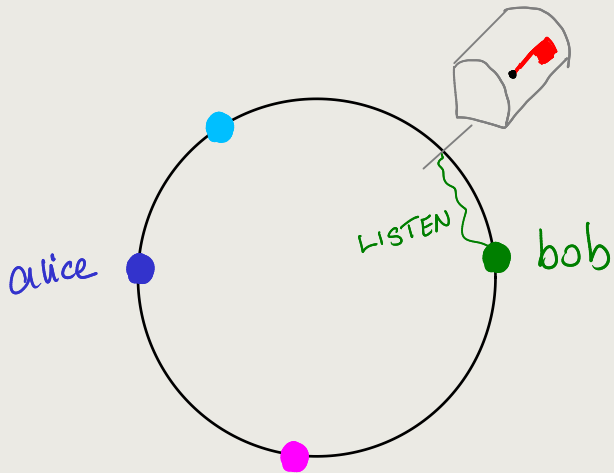
## OpenDHT

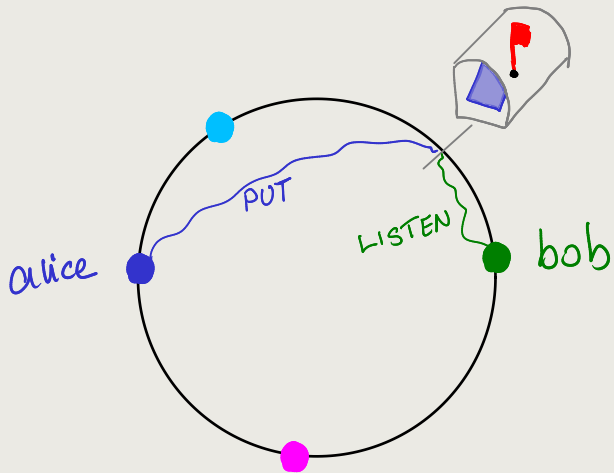


- lightweight and scalable, designed for large networks and small devices
- high resilience to network disruption
- IPv4 and IPv6 support
- clean and powerful C++14 *map* API
- C, Rust, and Python 3 bindings
- public key crypto layer providing optional data signing and encryption (using GnuTLS)
- REST API with optional HTTP client+server and push notification support











TLS  
ICE



SIP  
TLS  
ICE



SRTP

SIP

TLS

ICE




**Development news**



- many connectivity improvements
- automatic video bitrate adjustment
- detached host rendezvous points
- notification improvements
- bidi text in the chat view
- video renderer improvements
- conference call moderation
- improved error handling
- object copy reductions
- plugin API overhaul
- ... and more!


**Rendezvous points**





Michael  
michael3


Talking 00:41


Find or start a co... +


**Bruce Hay...**  
brucehayler ...  
Talking  
Outgoing ...


**John Sawyer**  
johnsawyer ...  
Talking  
Outgoing


**Olivier**  
olivier56  
/home/fnaggatr...  
16:40


**Will Do...**  
willdo...  
/home/fna...  
2019-11-12


**Daniell...**  
daniell...  
sfdsdfg  
2019-11-12


**Justin C...**  
justinclar...  
asdf  
2019-11-12


**Rocio**  
roci26  
asdf  
2019-11-12


**Laura Sc...**  
laurascott  
asdf  
2019-11-12


**Camille**  
camille33  
asdf  
2019-11-12





**Marc**  
marc258  
cs  
2019-11-12


**Lyna La...**  
lynalaurens  
2019-11-12

**Lena Kean**  
lenakean  
2019-11-12

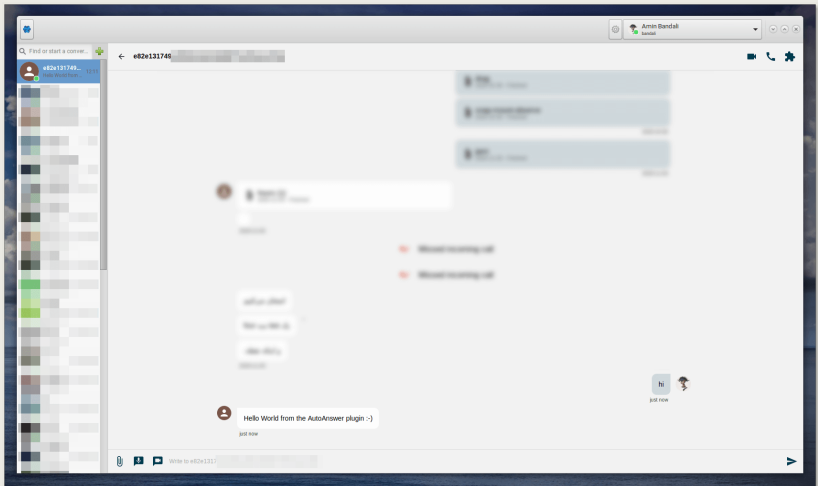
**Julie**  
julie42  
Outgoi...  
2019-11-12

**Kathleen**  
kathleen...  
2019-11-12

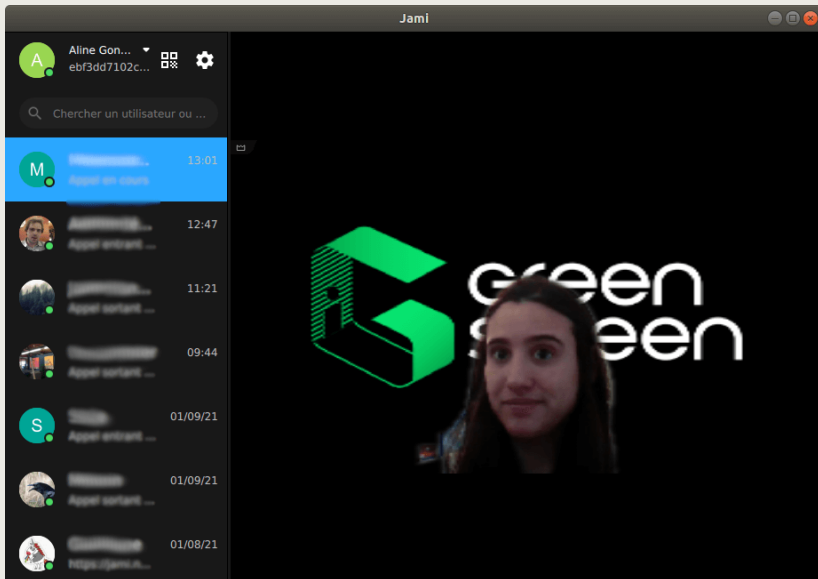




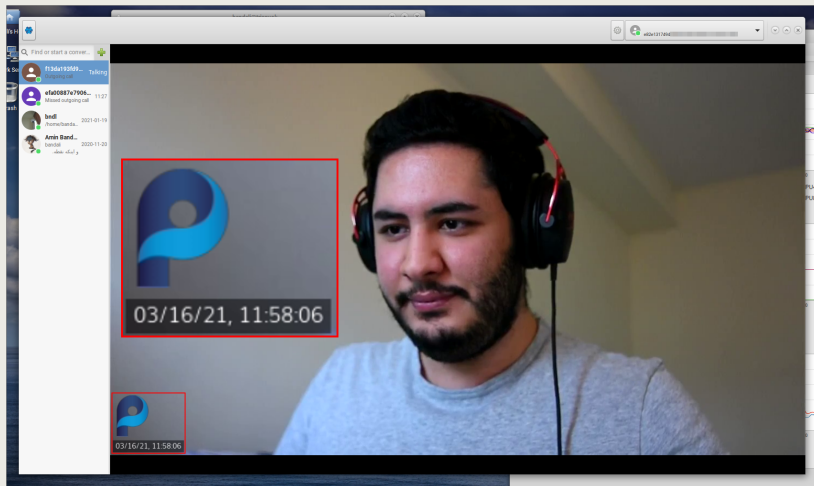
# Plugins



AutoAnswer



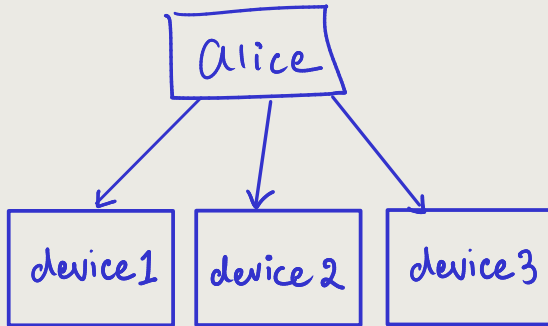
GreenScreen



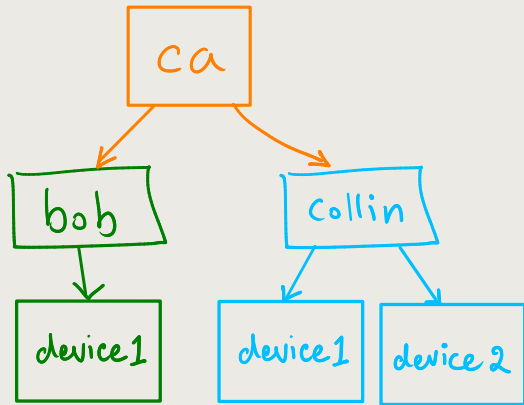
WaterMark

**JAMS**



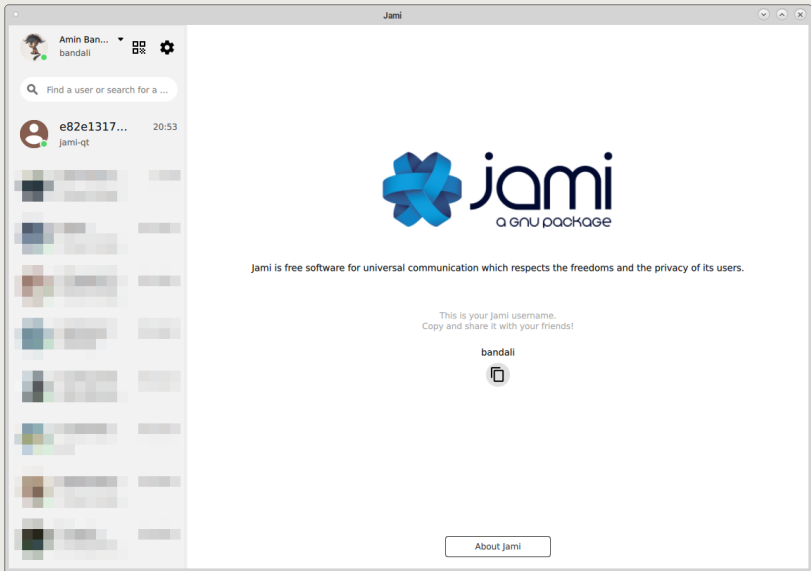


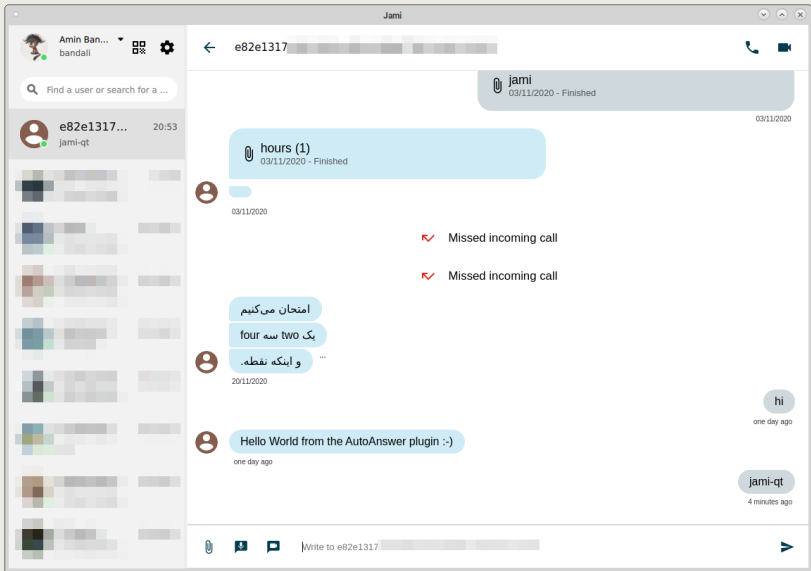
Jami account & device management

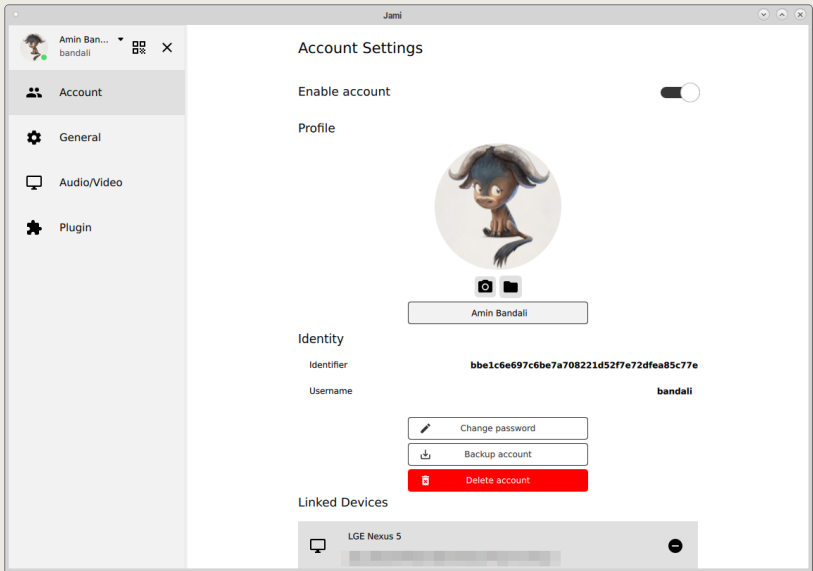


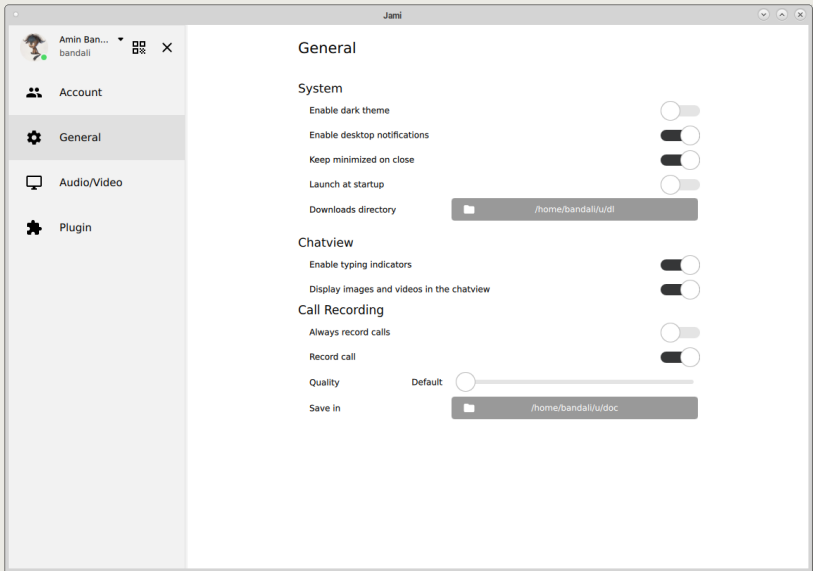
Jami account & device management (with JAMS)

jami-qt **client**









**Moderation**





f13da193...



Find a user or search for a ...



efa00887...

10:21

Talking



Amin Ban...

01/15/21

t



e82e1317...

12/17/20

Contact added



Munnin

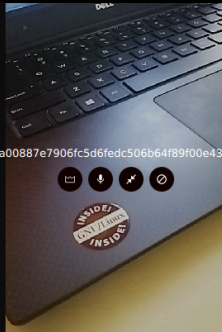
12/15/20

Missed outgoing...



efa00887e7906fc5d6fedc506b64f89f...

02:07



efa00887e7906fc5d6fedc506b64f89f00e43052



**Swarm chat**

**Community**

- `jami.net`
- `forum.jami.net`
- `jami@gnu.org`
- `#jami` on freenode
- `git.jami.net`
- `review.jami.net`
- `docs.jami.net`
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- help translate Jami to your language(s)
- package Jami in your GNU/Linux distribution
- *use Jami and help spread the word <3*

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# Thanks !

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[bndl.org/lp2021](http://bndl.org/lp2021)

(GPLv3+)

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