Introducing

Rethinking IP Communication

matrix

How many chat and VoIP apps do you have installed on your smartphones and tablets?

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Hangouts	iMessage	Facebook	WhatsApp	Telegram	Blah
Hike	Groupme	Viber	Libon	Line	Gadu Gadu
Kik	Kakao Talk	Mxit	Talko	Tango	Threema
Tox	Snapchat	WeChat	QQ	Skype	AIM
ICQ	Yahoo!	BBM	Path	Pinterest	Twitter

...and all the others too...

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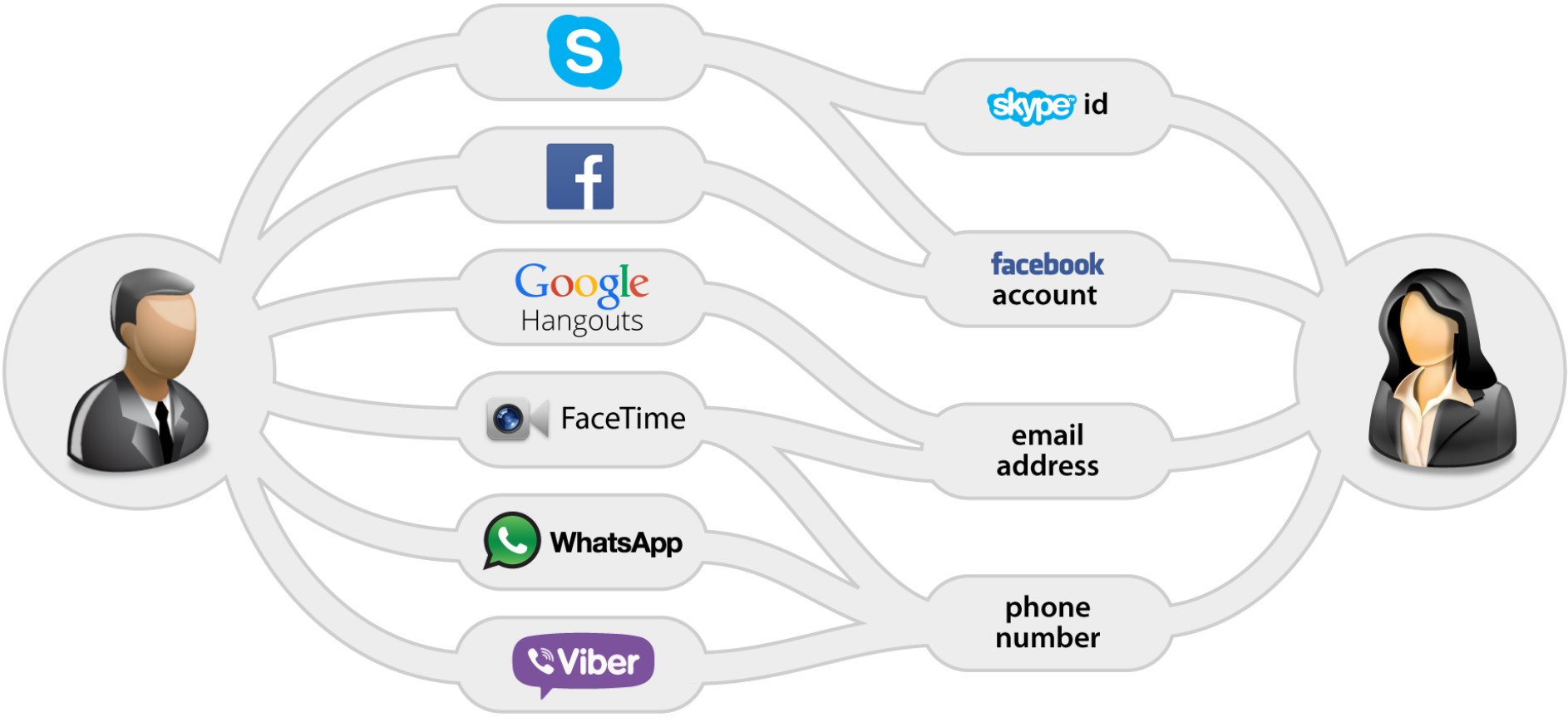
What's the end-user experience like?


Skype
Facebook
Google Hangouts
FaceTime
WhatsApp
Viber
skype id
facebook account
email address
phone number

I want to use my preferred apps and services to communicate

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Not be forced into specific services chosen by my contacts.

If email gives me that flexibility, why not VoIP and IM?

Matrix provides a possible solution...

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Introducing Matrix

- New Open Source project (launched Sept 2014)
- Setting up as non-profit org (matrix.org)
- Publishing:

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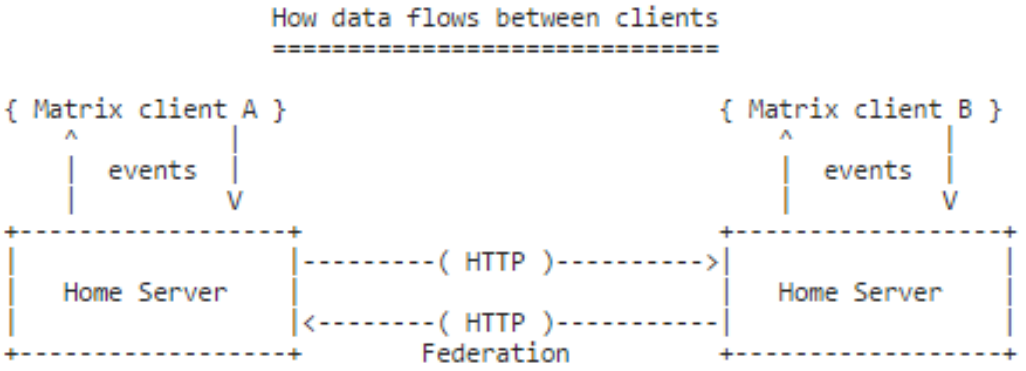
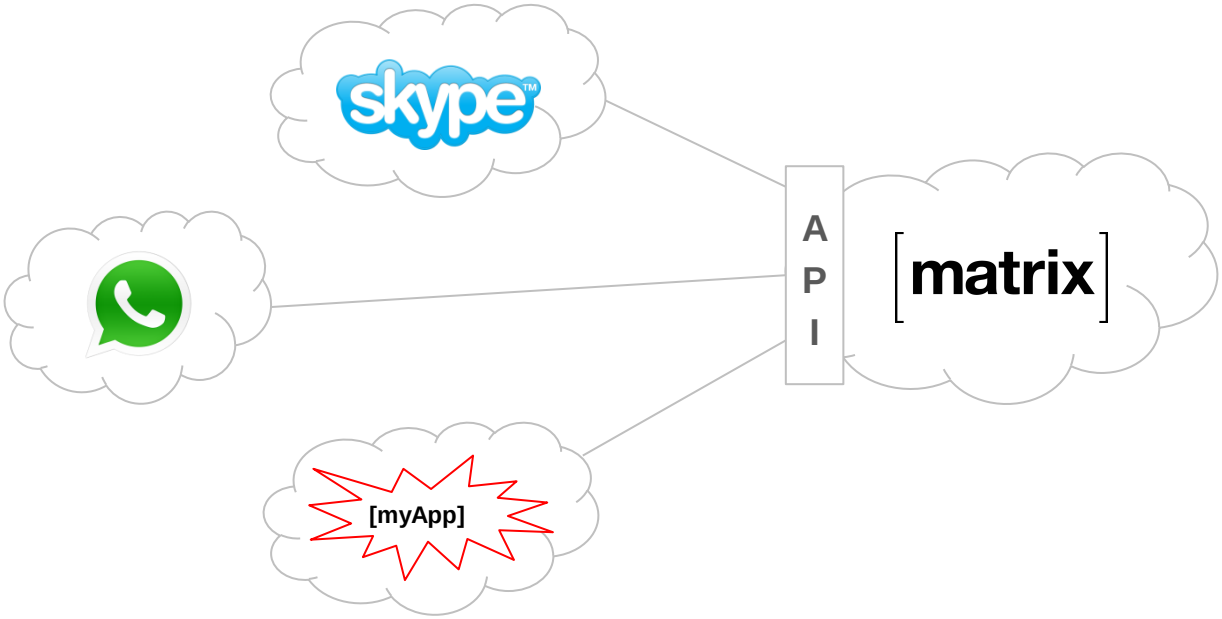
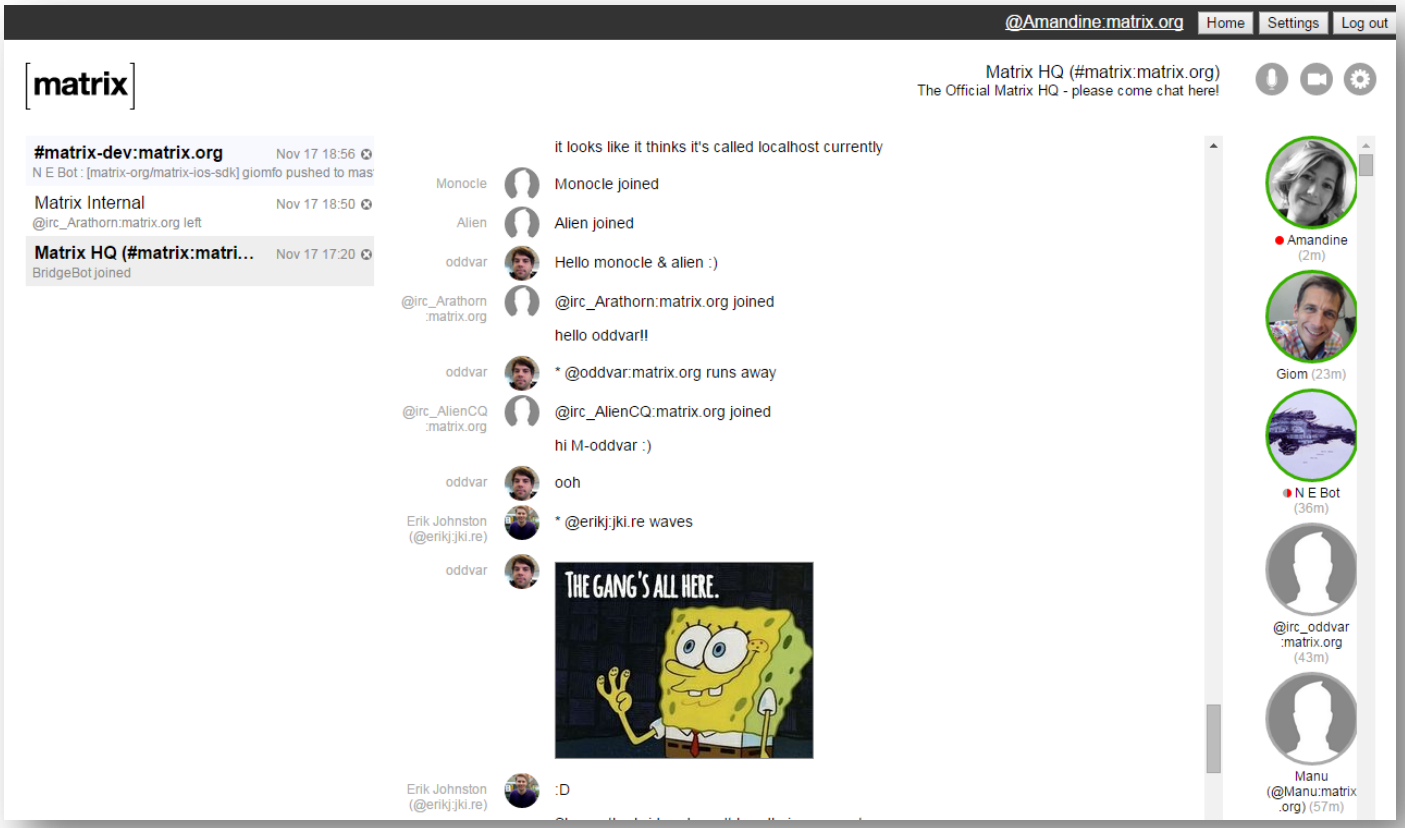
1. A standard for interoperable VoIP, chat and generic messaging.



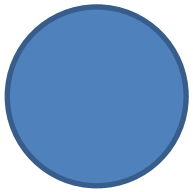
2. Open interfaces (APIs) to bridge other services to it.



3. Opensource servers and clients as reference implementations of the standard



What is behind the scenes?
(high-level)



Home Servers

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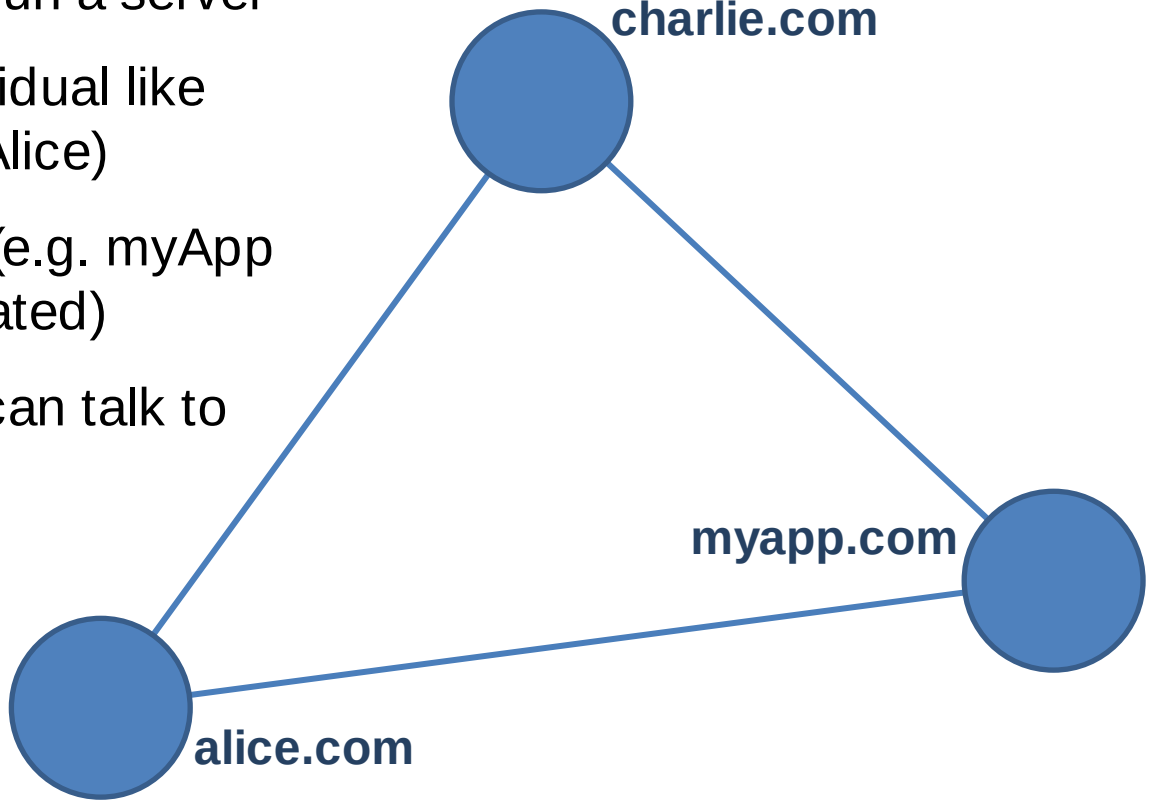
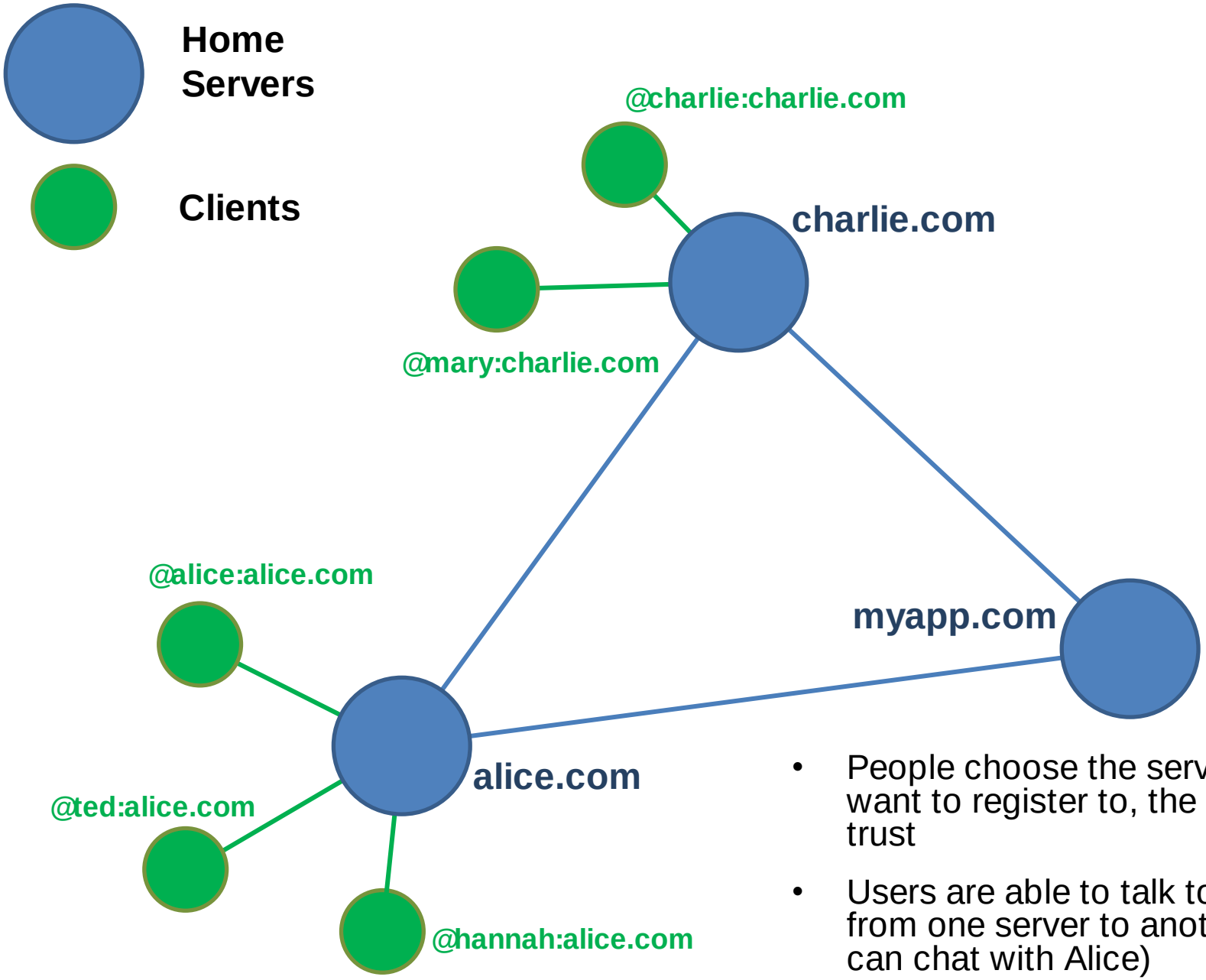
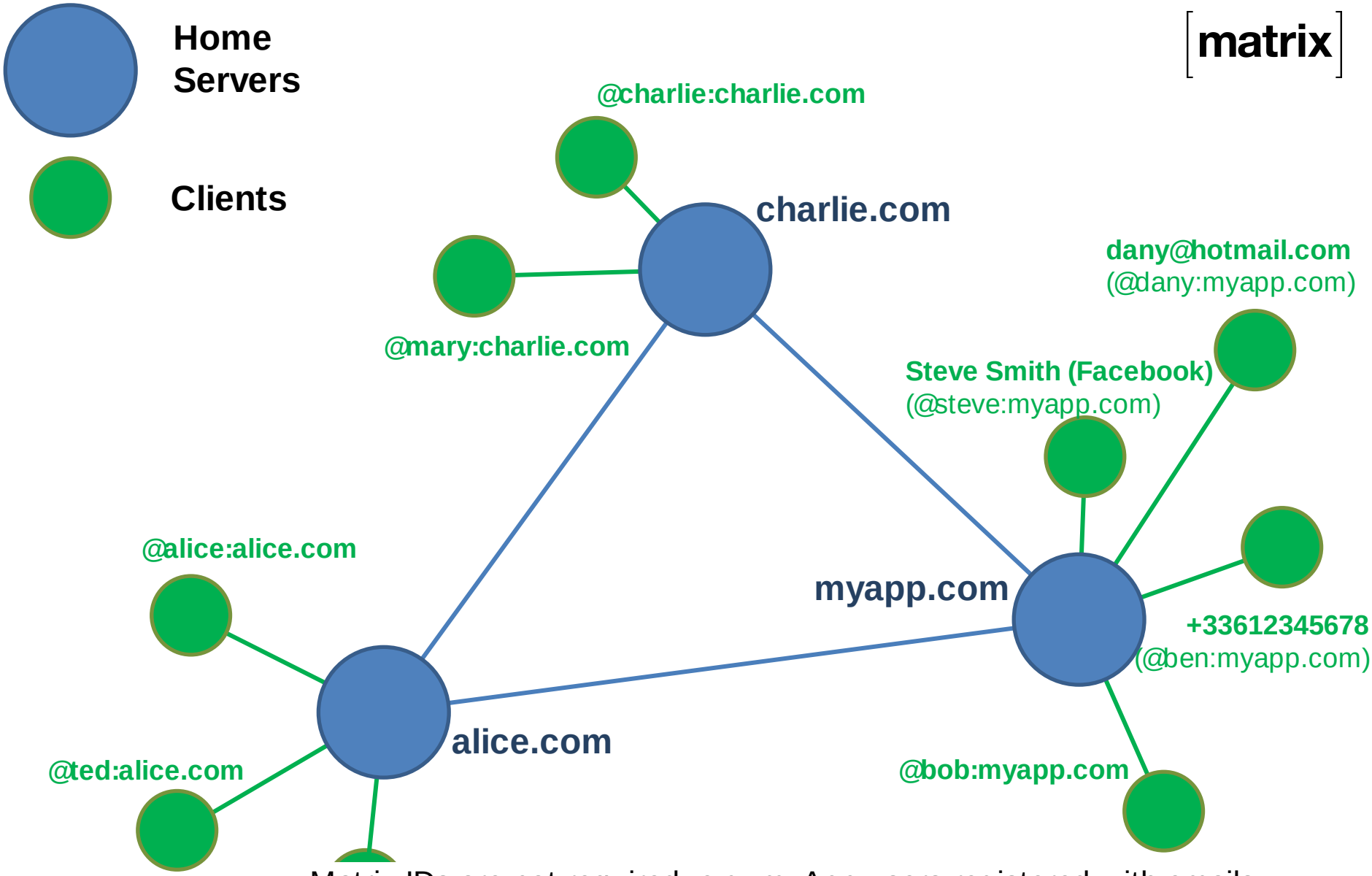
- Anyone can run a server
- Be it an individual like Charlie and Alice)
- Or a service (e.g. myApp that Bob created)
- The servers can talk to each other





- People choose the server they want to register to, the one they trust
- Users are able to talk to each other from one server to another (Charlie can chat with Alice)



- Matrix IDs are not required: e.g. myApp users registered with emails, phone numbers and Facebook IDs
- Matrix IDs are then created in background and not displayed to users

The Matrix Experience

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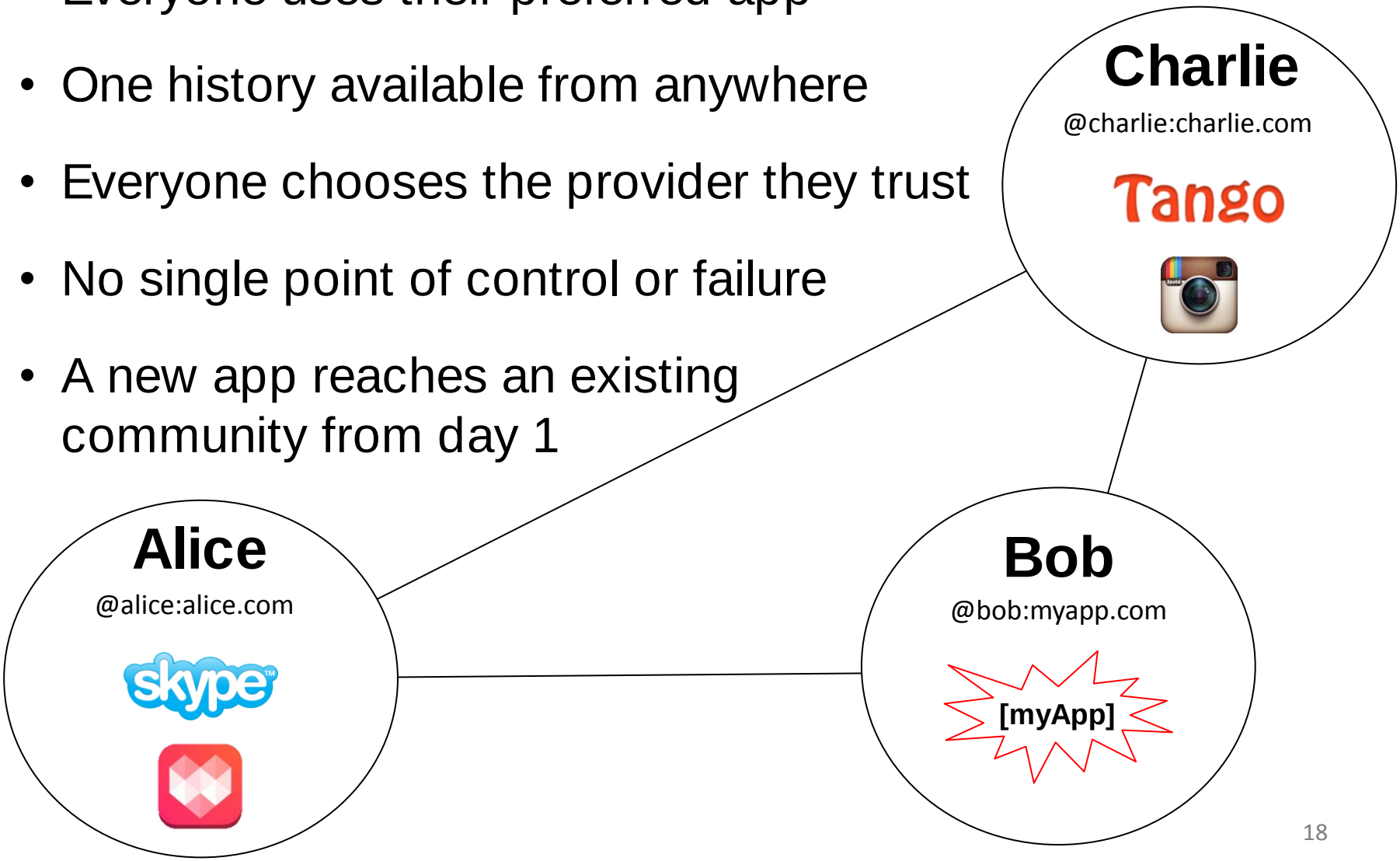
- Everyone uses their preferred app
- One history available from anywhere
- Everyone chooses the provider they trust
- No single point of control or failure
- A new app reaches an existing community from day 1



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Get involved!

- Run a server
  ➔ host your own data or be a trusted provider for your customers
- Build something (anything!) on top
- Build interoperability gateways
  ➔ add a whole new ecosystem to your community

Check out http://matrix.org!

http://matrix.org

THANK YOU!

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