

Introducing

[matrix]

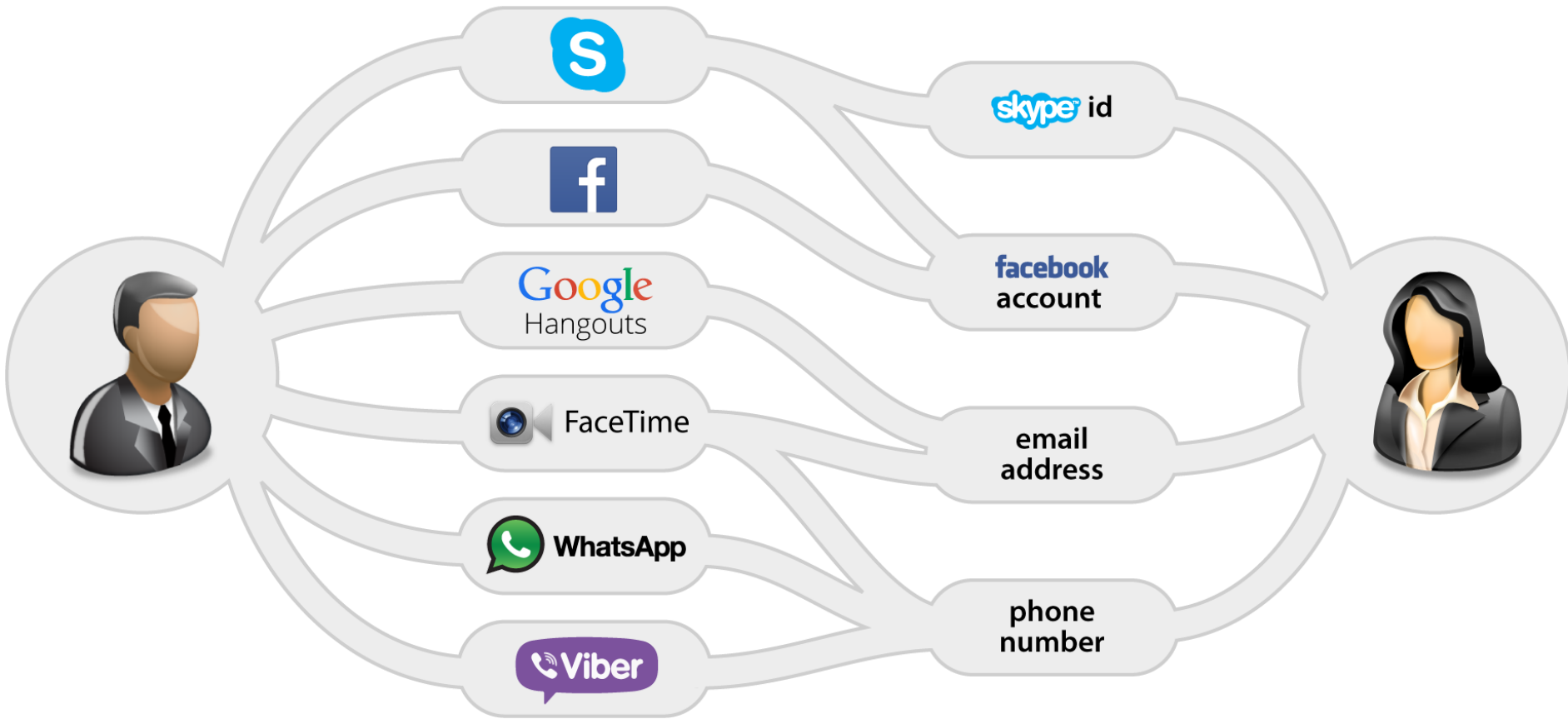
Rethinking IP Communication

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

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...

**What's the end-user
experience like?**



**I want to use my preferred
apps and services to
communicate**

**Not be forced into specific
services chosen by my
contacts.**

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

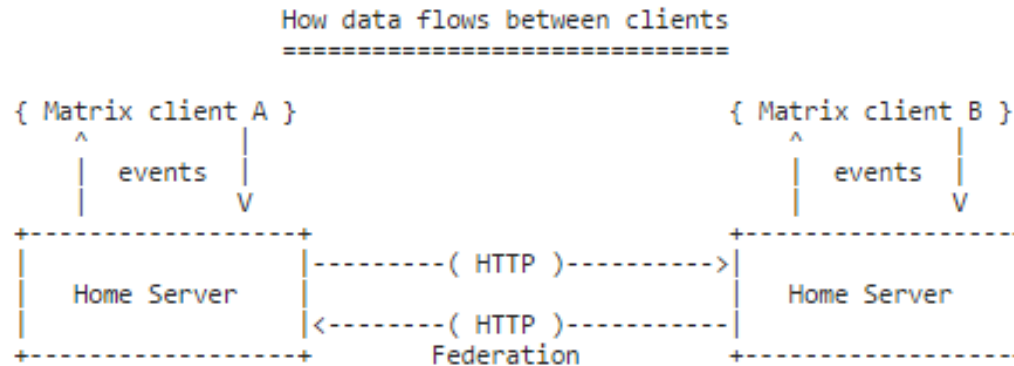
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**Matrix provides
a possible solution...**

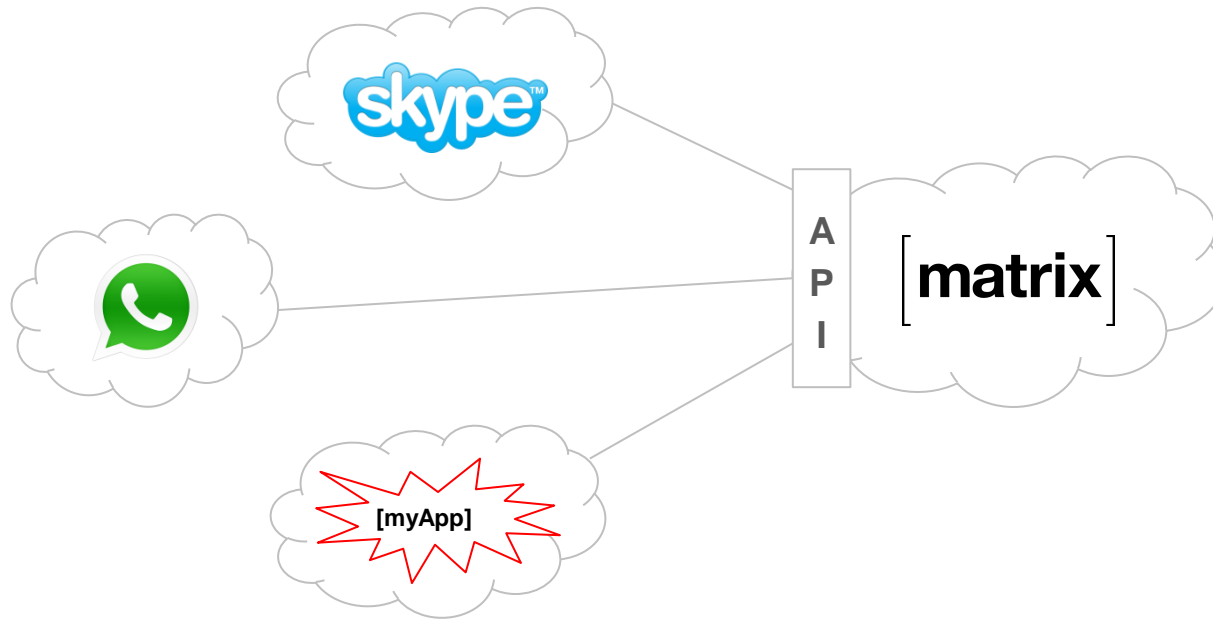
Introducing Matrix

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

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

The screenshot displays a web client interface for a Matrix chat room. At the top, the room name is `@Amandine.matrix.org` with navigation links for Home, Settings, and Log out. The room name is also displayed as `Matrix HQ (#matrix:matrix.org)` with the description "The Official Matrix HQ - please come chat here!".

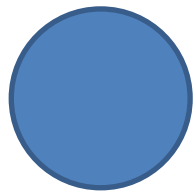
On the left, a sidebar shows a list of recent rooms: `#matrix-dev:matrix.org` (Nov 17 18:56), `Matrix Internal` (Nov 17 18:50), and `Matrix HQ (#matrix:matri...)` (Nov 17 17:20).

The main chat area shows a conversation:

- Monocle joined
- Alien joined
- oddvar: Hello monocle & alien :)
- @irc_Arathorn.matrix.org joined: hello oddvar!!
- oddvar: * @oddvar.matrix.org runs away
- @irc_AlienCQ.matrix.org joined: hi M-oddvar :)
- oddvar: ooh
- Erik Johnston (@erikjki.re): * @erikjki.re waves
- oddvar: 
- Erik Johnston (@erikjki.re): :D

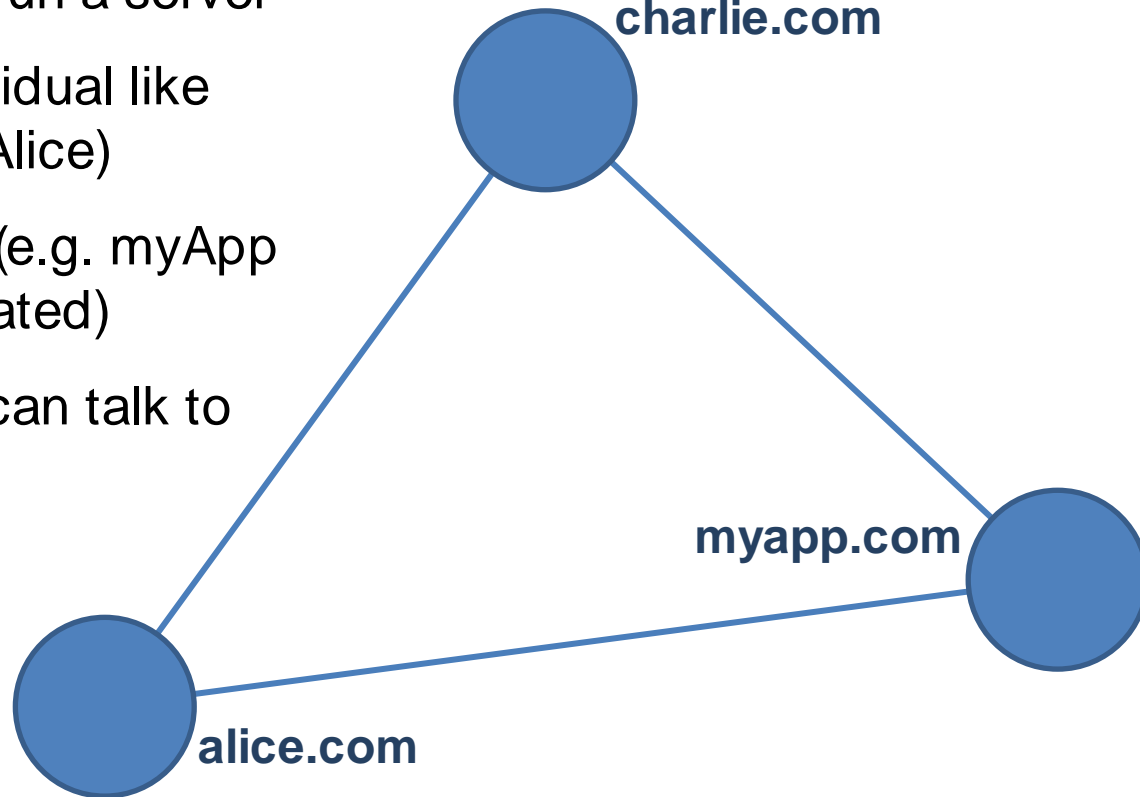
On the right, a vertical list of participants is shown with their avatars and names: Amandine (2m), Giom (23m), N E Bot (36m), @irc_oddvar.matrix.org (43m), and Manu (@Manu.matrix.org) (57m).

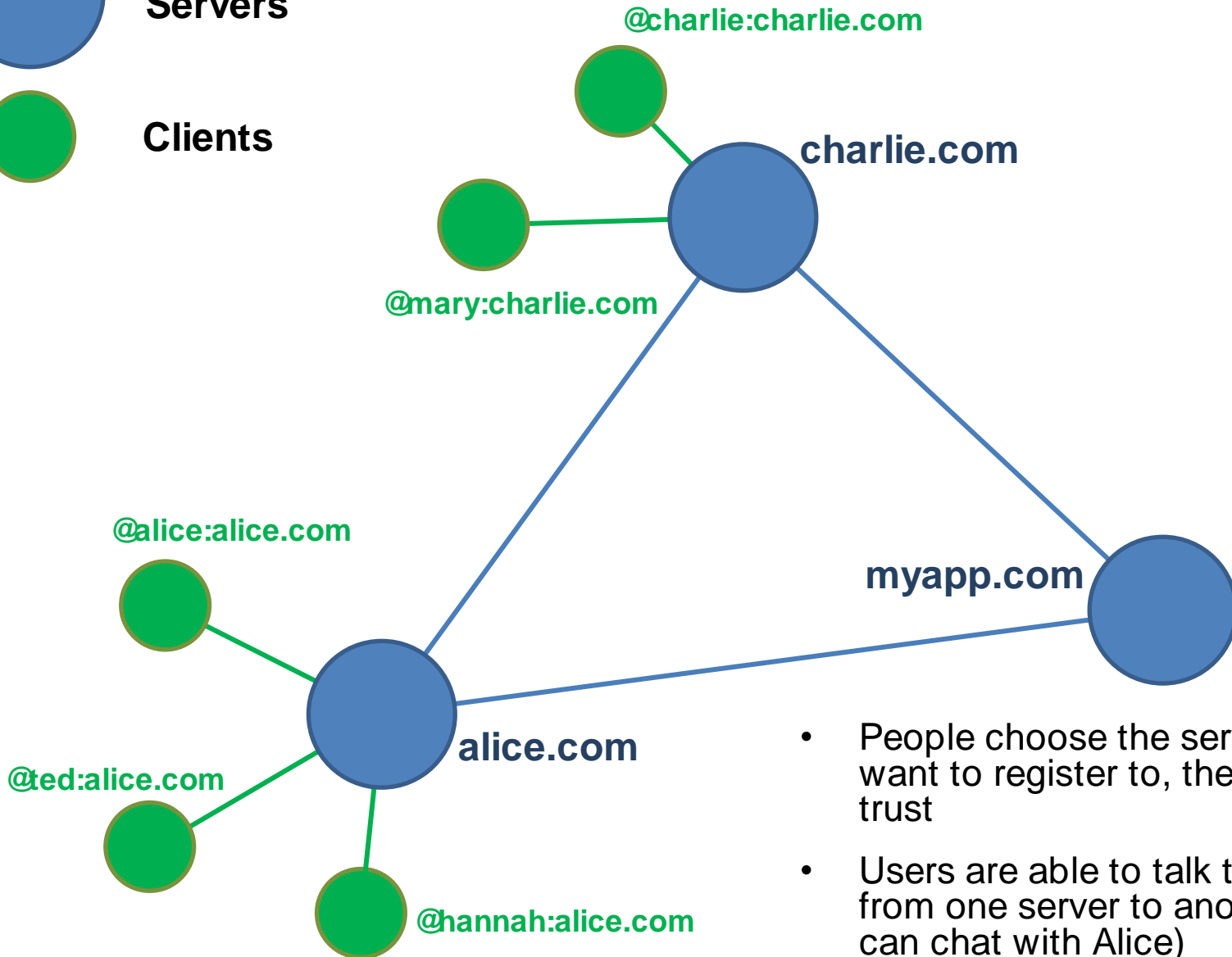
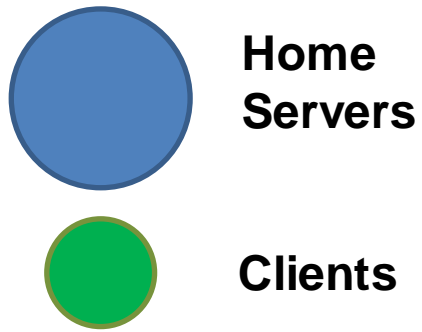
What is behind the scenes? (high-level)



Home Servers

- 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

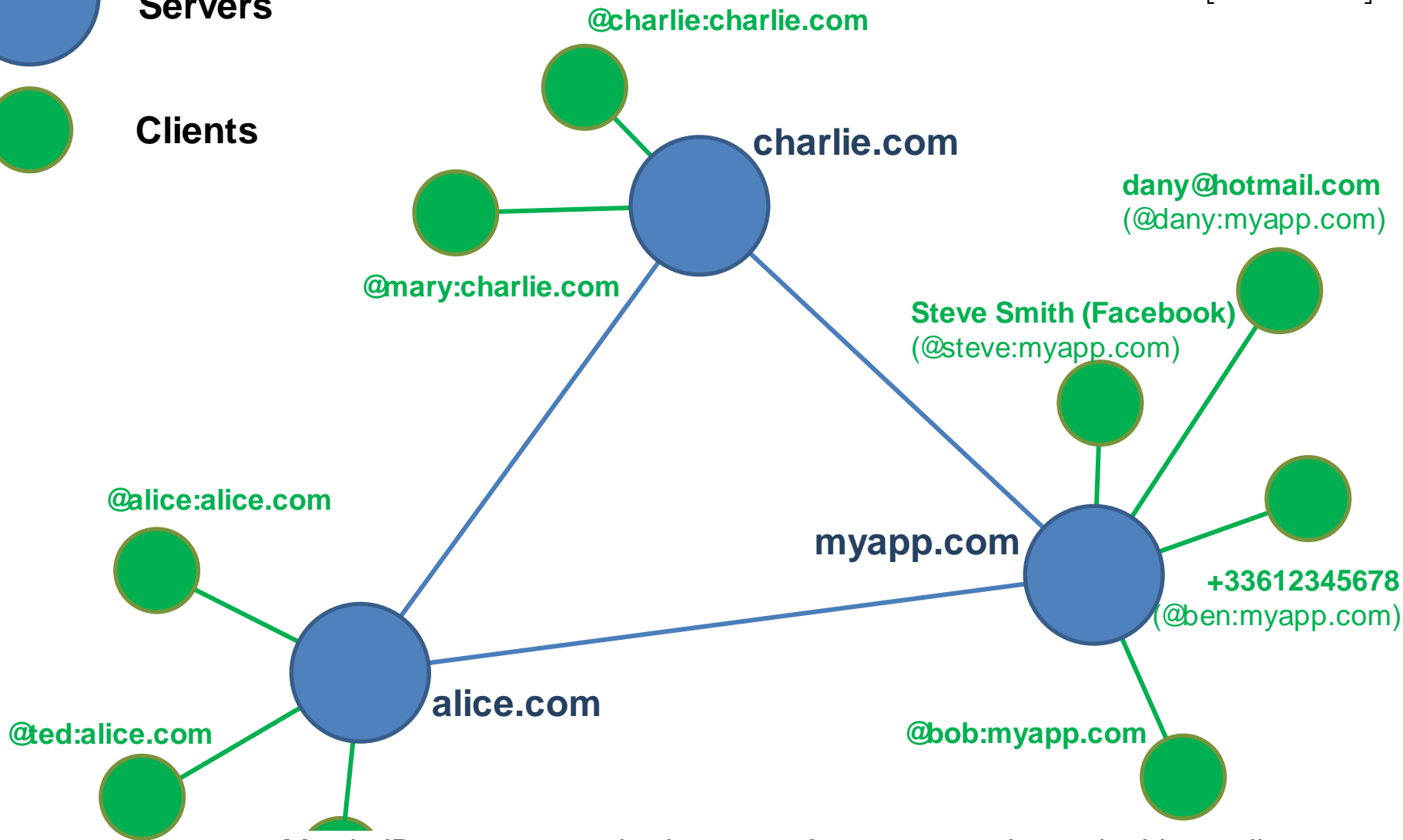




- People choose the server they want to register to, the one they trust
- Users are able to talk to each other from one server to another (Charlie can chat with Alice)

Home Servers

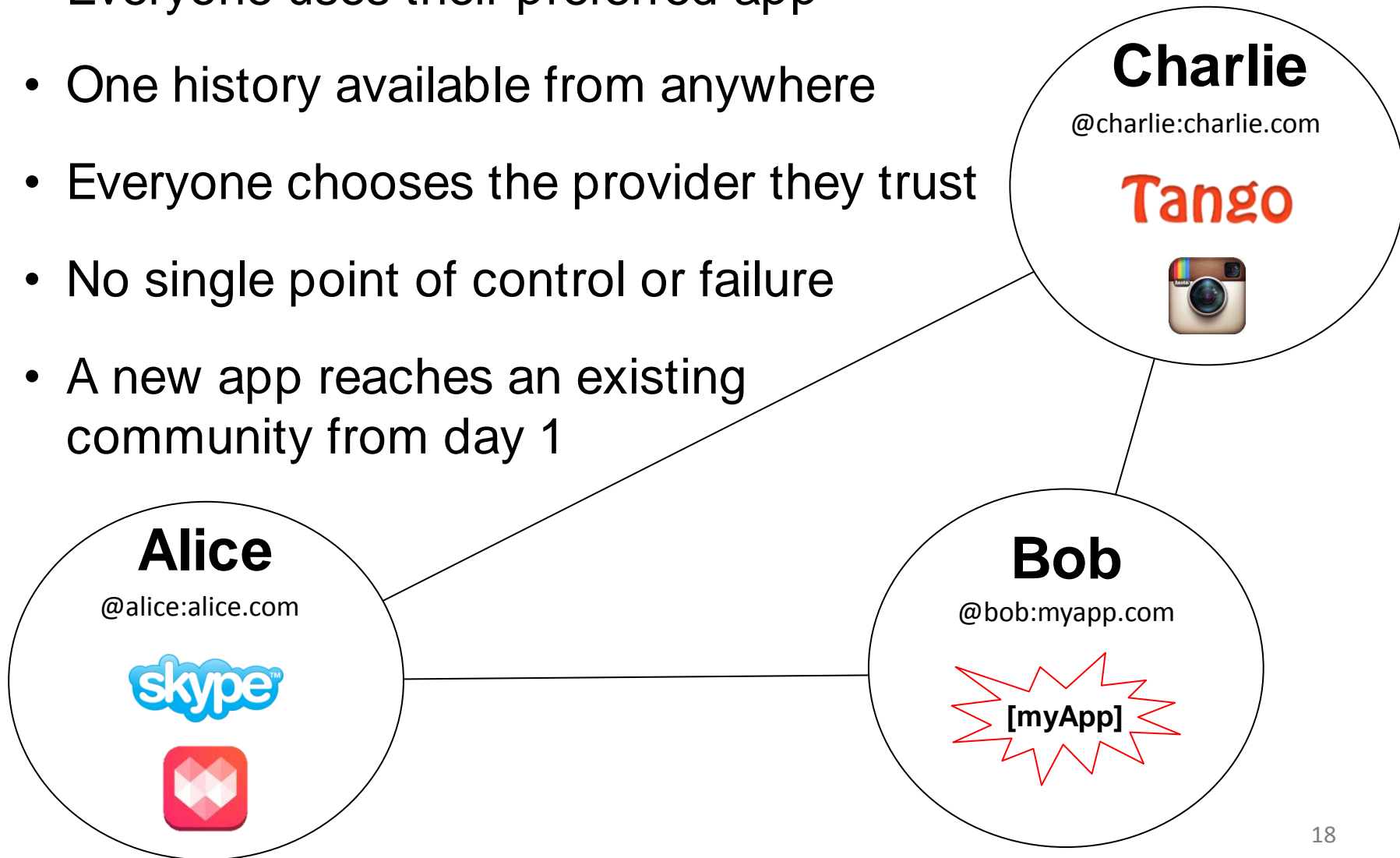
Clients



- 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

- 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



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>!

[**matrix**]

<http://matrix.org>

THANK YOU!

@Amandine:matrix.org

amandine@matrix.org