

The silent VPaaS revolution is upon us

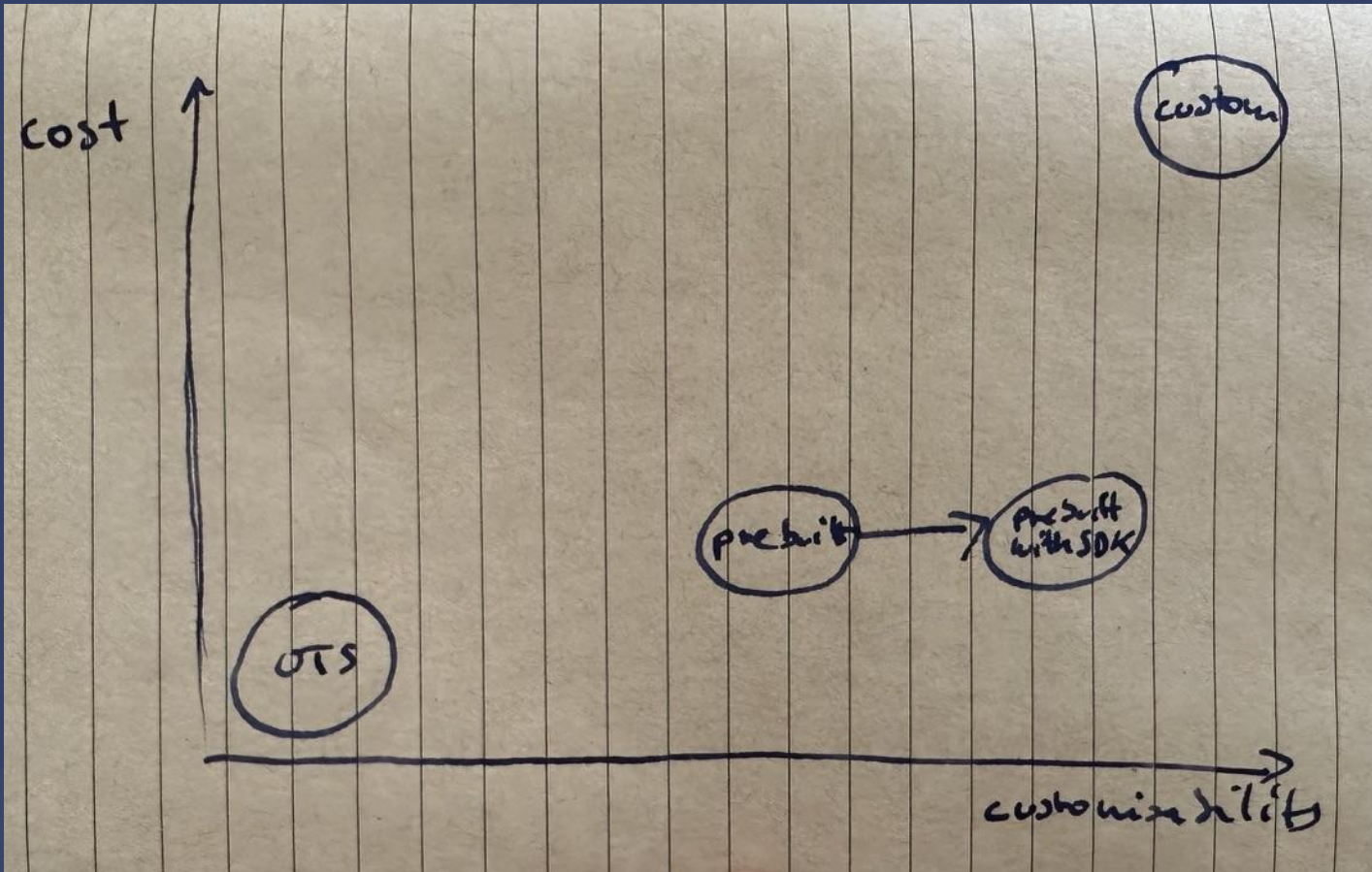
How we built a scalable, low-code VPaaS on top of Janus



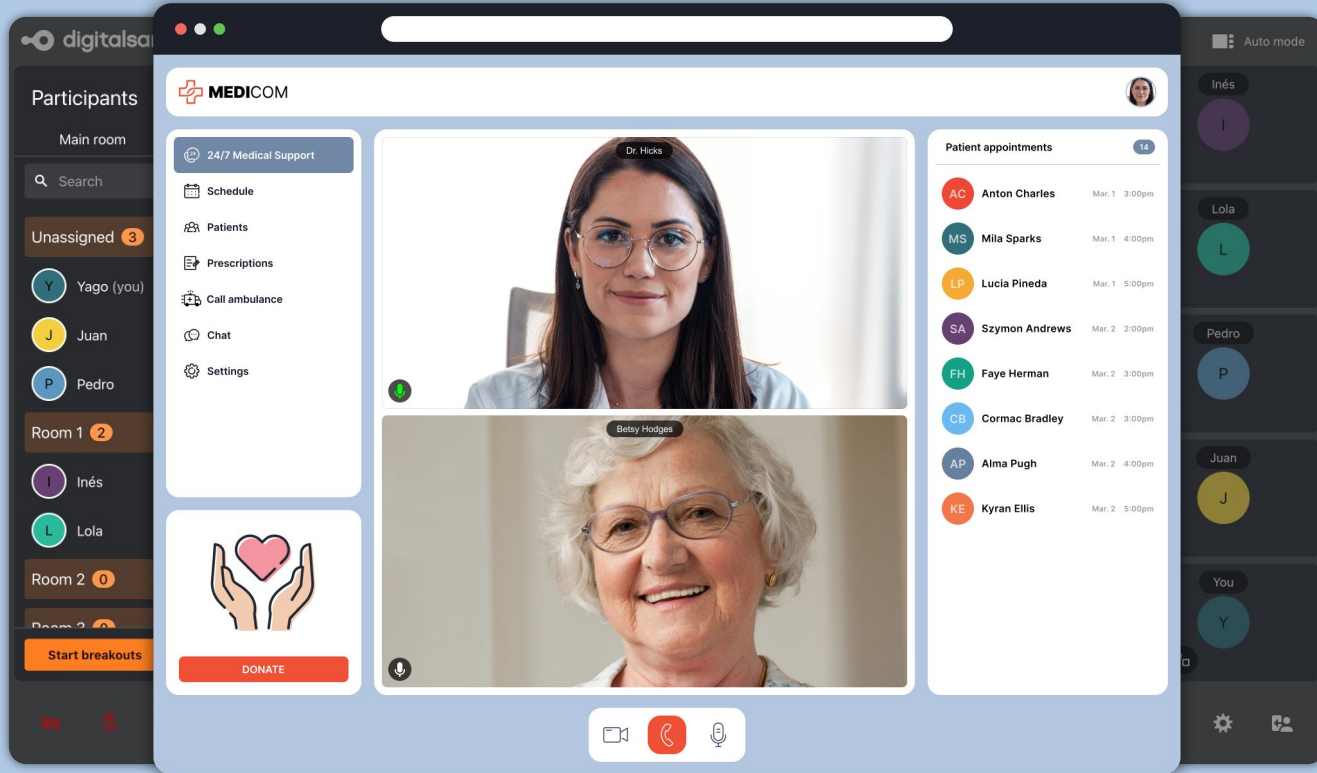
Robert Strobl
CEO & Founder



Conal Mullan
Head of Operations



Digital Samba prebuilt React frontend. Privacy built in.





Plug-in by API, tune by SDK

AI built in, abstracted to simple API calls.



Add video conferencing to your app in ~~hours~~ minutes rather than weeks

Demo coming up

```

1 <?php
2 // Check if the request is a POST request
3 if ($_SERVER['REQUEST_METHOD'] === 'POST') {
4     // Digital Samba API credentials
5     $teamId = getenv('TeamID'); // Replace with your Team ID
6     $teamDeveloperKey = getenv('DeveloperKey'); // Replace with your Developer Key
7
8     // API URL for creating a new room
9     $url = 'https://api.digitalsamba.com/api/v1/rooms';
10
11     // Prepare the Authorization header
12     $authHeader = 'Bearer ' . base64_encode($teamId . ':' . $teamDeveloperKey);
13
14     // Prepare POST data
15     $postData = json_encode([
16         'privacy' => 'public',
17         'primary_color' => '#694DFF',
18         'background_color' => '#CCCCCC',
19         'toolbar_color' => '#694DFF',
20         // Other room parameters if needed
21     ]);
22
23     // Initialize cURL session
24     $ch = curl_init($url);
25
26     // Set cURL options
27     curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
28     curl_setopt($ch, CURLOPT_HTTPHEADER, [
29         'Authorization: ' . $authHeader,
30         'Content-Type: application/json'
31     ]);
32     curl_setopt($ch, CURLOPT_POST, true);
33     curl_setopt($ch, CURLOPT_POSTFIELDS, $postData);
34
35     // Execute the POST request and close cURL session
36     $response = curl_exec($ch);
37     curl_close($ch);
38
39     // Decode the response
40     $responseData = json_decode($response, true);
41
42     // Check if the room was created successfully
43     if (isset($responseData['id'])) {
44         // Room created successfully, send room URL
45         echo json_encode(['roomUrl' => 'https://robert.digitalsamba.com/' . $responseData['friendly_url']]);
46         exit;
47     } else {
48         // Error handling
49         echo json_encode(['error' => 'Room creation failed']);
50         exit;
51     }
52 }
53 ?>
54

```

digital-samba-playground.glitch.me/start_call.php

Full Screen

Join meeting

Join

Start Video Call

https://digital-samba-playground.glitch.me/start_call.php
<https://dashboard.digitalsamba.com> (Rob's account)

- Rooms
- Sessions
- Team
- Roles
- Recordings
- Webhooks
- Tokens
- Statistics
- Documentation

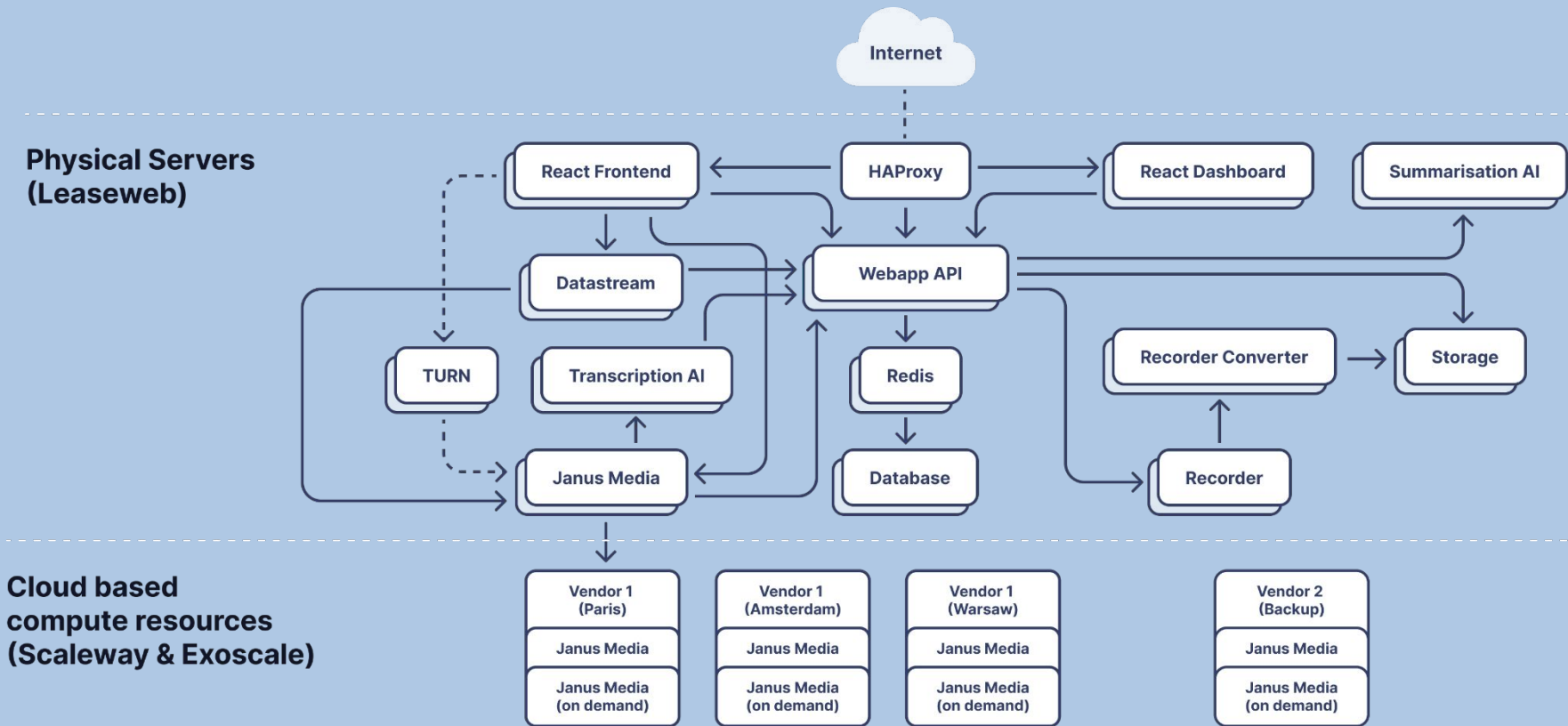
Rooms

[Default room settings](#)[+ Create new room](#)

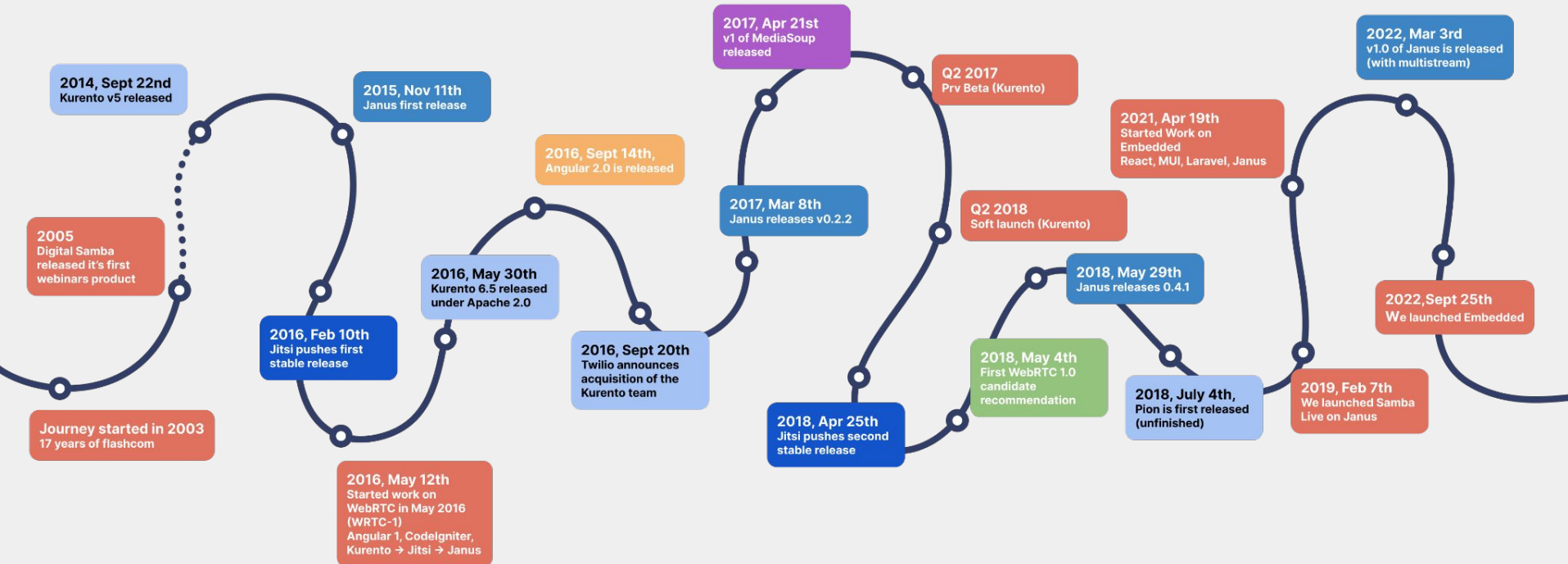
<input type="checkbox"/>	Room name	Privacy	Source	Created (UTC)	
	mc0GBErwM5P6D7E	Public	API	Apr 27, 2024 06:26:44	...
	j9wsXnWhwjgQehc	Public	API	Apr 27, 2024 06:25:47	...
	oADavPnXqUClpQj	Public	API	Apr 27, 2024 06:15:26	...
	Qfq4A2YRxyiSNZO	Public	API	Apr 27, 2024 06:11:54	...
	hellojanuscon	Public	Dashboard	Apr 27, 2024 05:39:41	...

https://digital-samba-playground.glitch.me/start_call.php
<https://dashboard.digitalsamba.com> (Rob's account)

Digital Samba secure, European infrastructure.



Tech stack evolution over 20 years.



Janus is special



Why Janus?

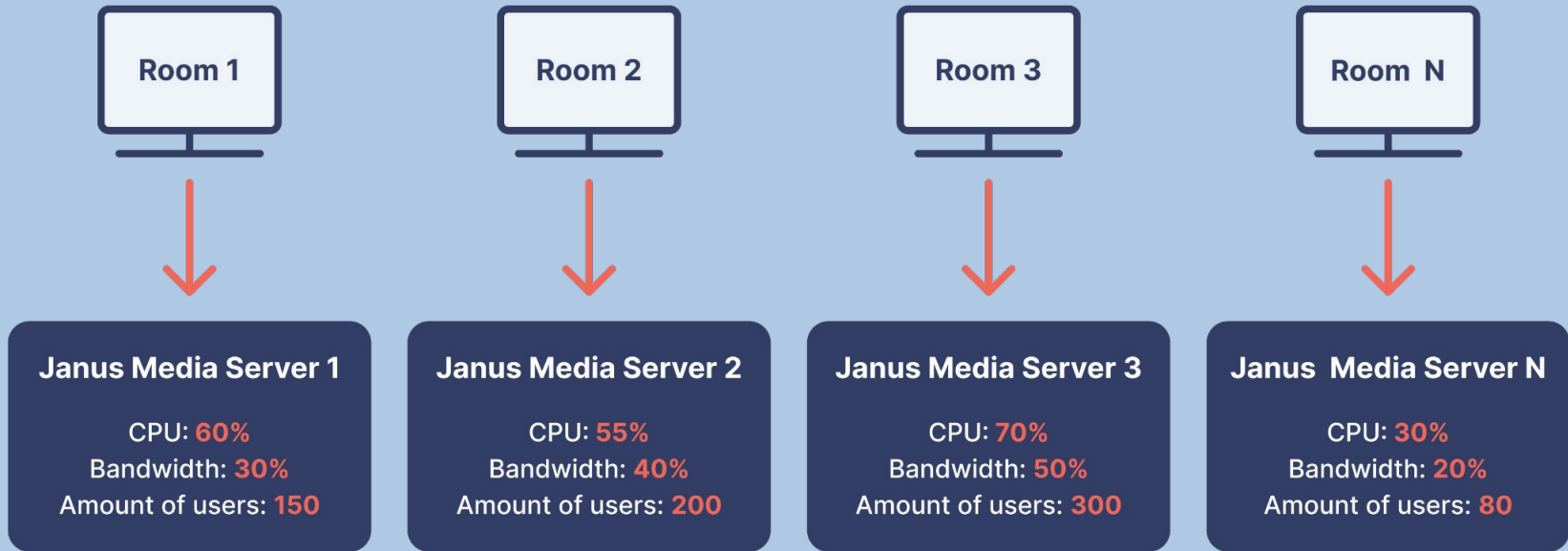
- We use the video room & streaming plugins - as a media server.
- Other media servers we tried were not successful.
- Active community, reliable, good performance, support from the developers.

Moving media across the internet is resource intensive.

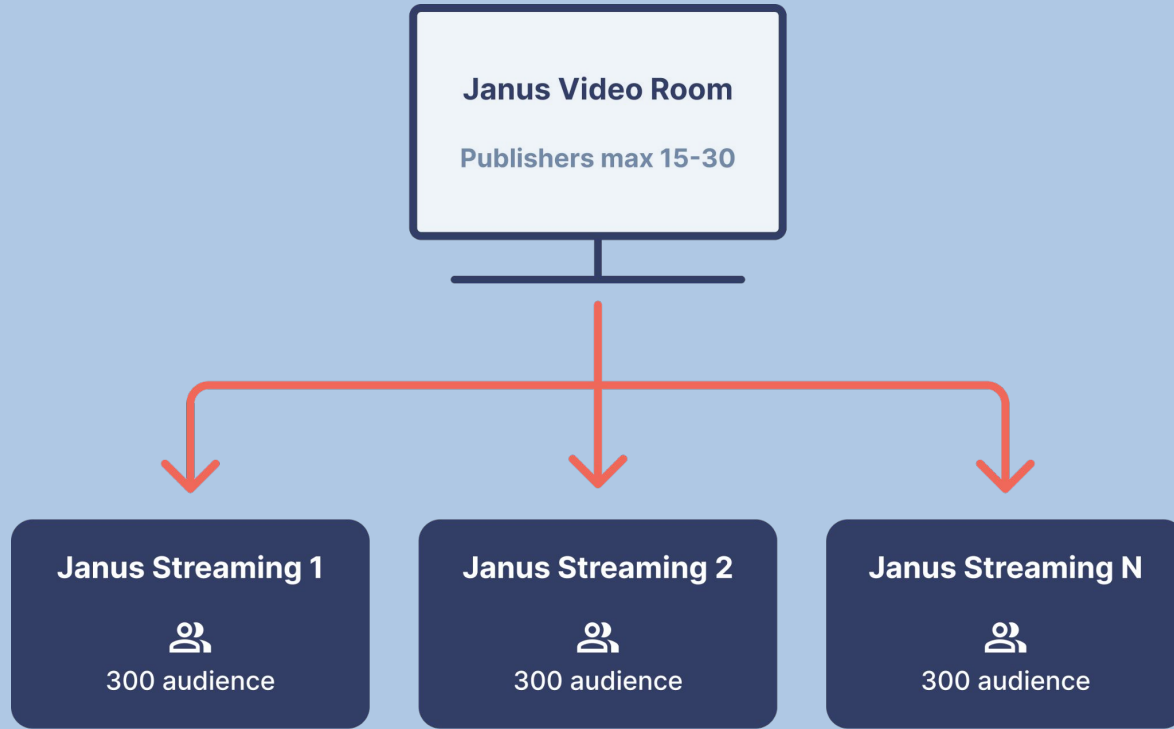
We scale Janus on demand with EU based cloud service providers to support usage peaks.

Horizontal Janus scaling - video conferencing use case

Max 100 publishers per room.




Horizontal Janus scaling - Webinar use case





Our contribution to Janus source

meetecho/janus-gateway

#3239 **Batch configure support for streaming plugin**



8 comments 3 reviews 1 file +235 -136

 **petarminchev** • June 29, 2023 - 3 commits 

Why have we chosen this scaling strategy?

- We want to control the logic.
- If it fails - it's on us.

Everyone has a slide on AI in 2024!

<https://fosdem.org/2024/> Skynet (Saúl Ibarra Corretgé and his team)

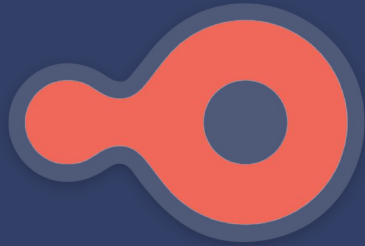
- Trying to solve similar problems.
- Making AI functionality private, useful and cost effective.
- We are now using Skynet in our development environment to generate meeting summaries.

Thank you the (WebRTC) Open Source community!



AI Summarisation Demo

Fasten your seatbelts.



Stickers

-50% Discount for Januscon



@getdigitalsamba



Digital Samba GPT

<https://digital-samba-playground.glitch.me/>

Let's connect



Robert Strobl

CEO and Founder at Digital Samba

✉ rs@digitalsamba.com

🌐 www.digitalsamba.com

🌐 <https://www.linkedin.com/in/robertstrobl/>



Conal Mullan

Head of Operation at Digital Samba

✉ cmullan@digitalsamba.com

🌐 www.digitalsamba.com

🌐 <https://www.linkedin.com/in/conal-mullan/>