



# Pàdé

Pàdé is the Yoruba word for "Meet".

Pàdé (the "p" is pronounced explosively) is a Unified Communications Solution for Openfire.





# Features

- Capability - Essential Unified Communications (Messaging/Chat, IP Audio/Video, Screen/Application Sharing, Remote Control and Telephony)
- Communication Applications (Blogger, Message Blast, Team Meetings, Group Chat and Live Customer Chat)
- Restful API for business application integration
- Archiving of communication meta data, chat transcripts, audio and video media





# Technology

- Pàdé front-end is a web browser extension and available from Google Chrome, Microsoft Edge and Firefox web app stores.
- Pàdé back-end is Openfire for XMPP messaging, FreeSWITCH for SIP Telephony/MCU Conferencing and Jitsi for SFU Conferencing.
- Pàdé can be deployed in-house, *on premises* on a private network or as a hosted service accessed from the internet.





# Pàdé Front-End

**Is a web browser extension that contains:**

**Jitsi Meet** for audio/video conferencing, screen share and real-time application collaboration (WebRTC)

**ctxPhone** for SIP based telephony with FreeSWITCH

**Converse.js** for XMPP chat client (both full page dedicated group chat and one-on-on pop-up chat) conferencing.

**Other** communication applications

**Rest, SSE** (server-sent events) API and JavaScript libs





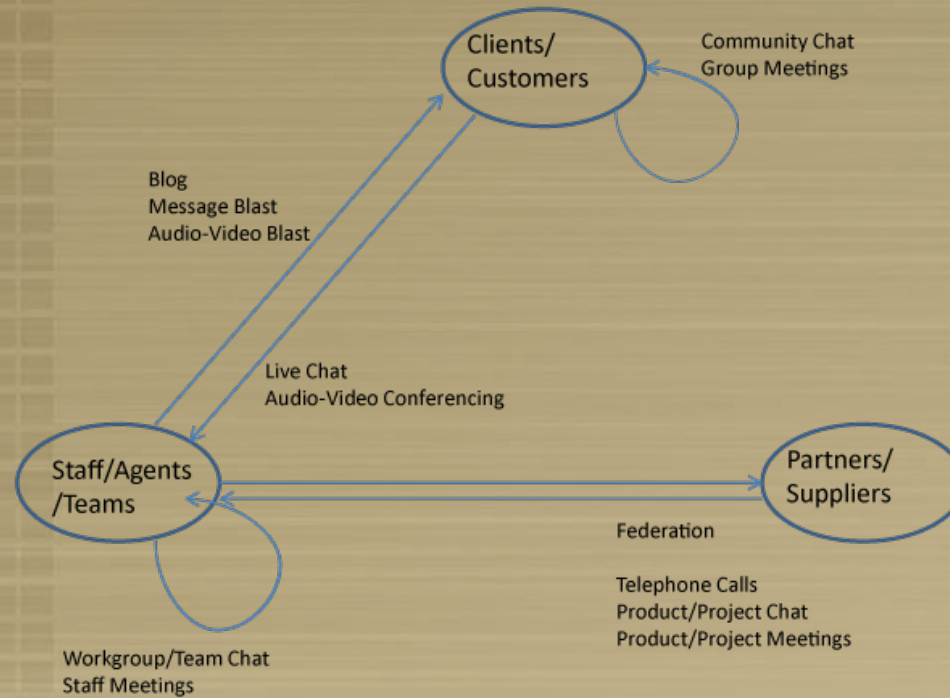
# Pàdé Back-End

- Openfire Server
- Openfire Meetings Plugin (Jitsi)
- Openfire Chat API Plugin (REST/SSE API)
- Openfire Switch Plugin (FreeSWITCH)
- Monitoring and Archiving Plugin
- Bookmarks Plugin
- Fastpath Plugin (live chat)
- Solo Blogger Plugin



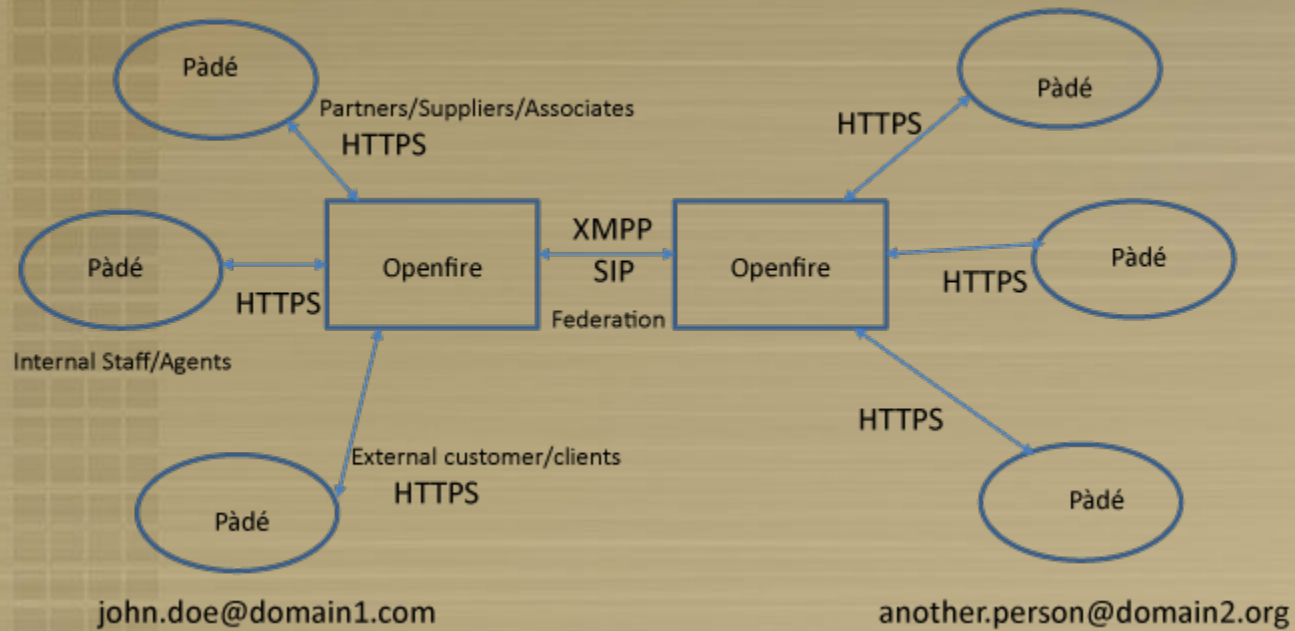


# Business Communication Flows





# Architecture





# Security

- Pàdé uses standard TLS or MTLS Encryption on all client-to-server and server-to-server connections with server or both client/server certificates.
- Two factor authentication with TOTP (Time based One Time Passwords) from a smart phone.
- Open Identity System for the Decentralized Web (uPort)
- End-to-End encryption can also be applied on demand in chat conversations.







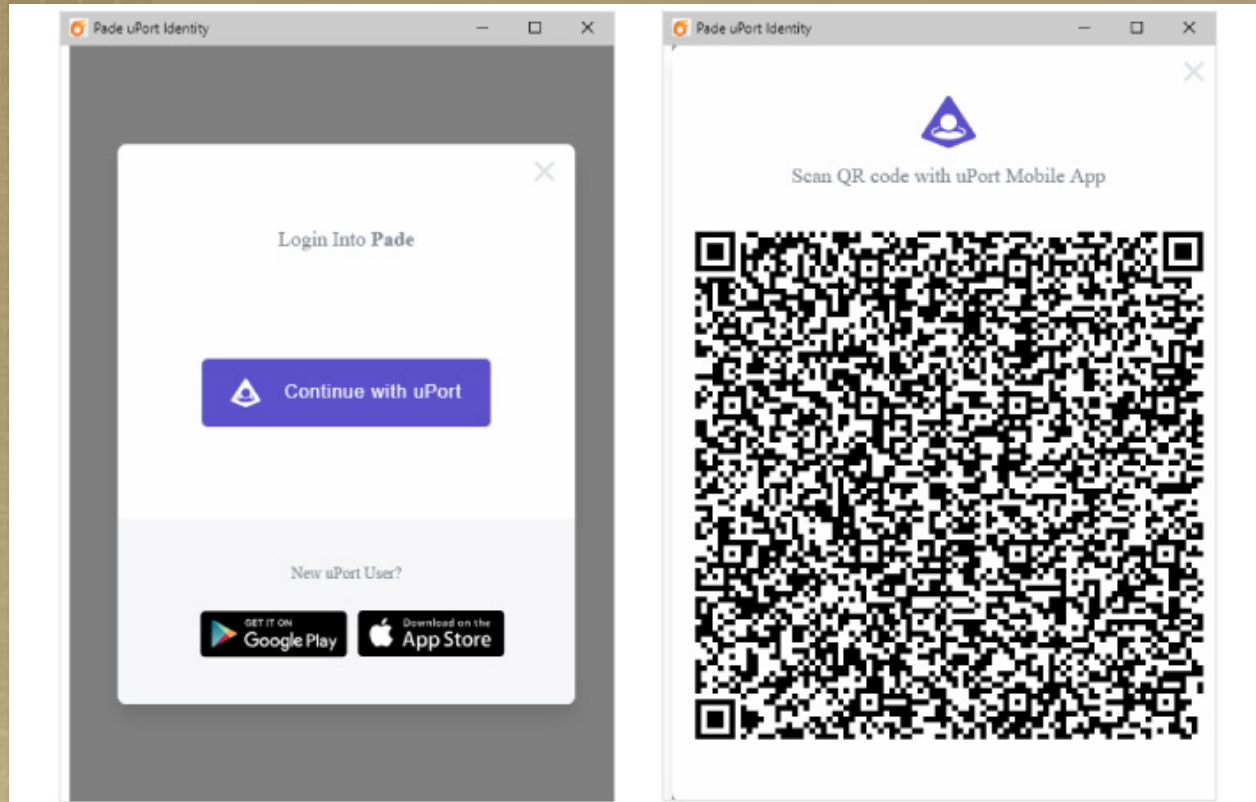
# Pàdé at Chrome App Store

Not yet available for Edge, Firefox and Safari

The screenshot shows the Chrome App Store page for "Pade - Openfire Meetings". The app is offered by "olajide.dale" and has a 5-star rating from 30 reviews, with 3,228 users. It is categorized under "Social & Communication". The page includes tabs for Overview, Reviews, Support, and Related. A central preview window shows a video call interface with a participant's video feed and a sidebar with navigation options like Home, Projects, and Downloads. To the right of the preview, there is a "Compatible with your device" badge and a description: "Pade is an Openfire Meetings Chrome Extension for unified communications". Below the description, it states: "Pàdé (Yoruba word for Meetings) is a chrome extension that delivers a unified communications experience with messaging, audio, video, desktop streaming and web page co-browsing using Openfire Meetings." Further down, it mentions: "Openfire Meetings is a set of Openfire plugins that use WebRTC and Jitsi to provide high quality, scalable video conferences for your Openfire users." and "Openfire is a XMPP server licensed under the Open Source Apache License". At the bottom right, there are links for "Website" and "Report Abuse", and an "Additional Information" section listing: "Version: 0.4.15", "Updated: August 23, 2018", "Size: 19.31 MIB", and "Language: English".

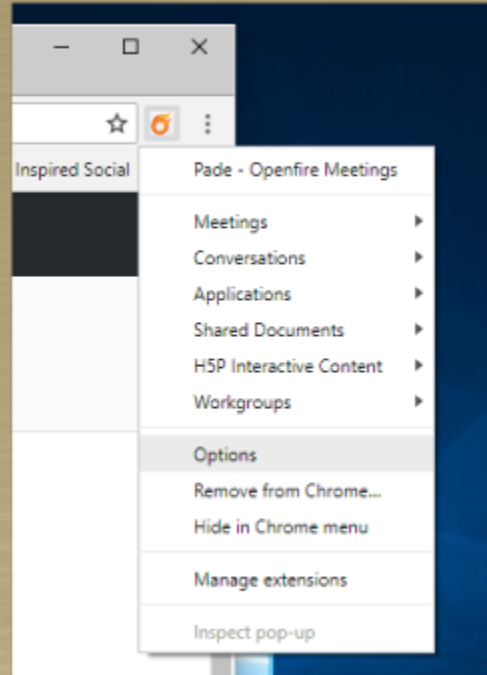


# Pàdé Registration & Sign-In (uPort)





# Pàdé Installed





# Pade Options

A screenshot of a web browser window displaying the "Pade - Openfire Meetings" options page. The browser's address bar shows the URL: chrome-extension://fohnhgabmicpkjcpjgongpjcfaba/options/index.html. The page has a sidebar on the left with a search bar and a menu containing "Connection", "General", "Applications", "User Directory", and several "TouchPad Page" entries. The main content area is titled "Pade Connection" and is divided into several sections: "Connection" with fields for "Server" (traderlynk.4ng.net) and "Domain" (traderlynk.4ng.net), and a checked "Use Websockets" option; "uPort" with a checked "Open Identity System for the Decentralized Web" option, a "QR Code" button, and a "Permission" field (Wa17M9NoGwccxX); "TOTP" with a checked "Time based One-Time Password" option and a "QR Code" button; "Certificate" with a checked "Use Client Certificate" option and a "Download" button; "Login" with fields for "Display Name" (Dela Olajide), "Username" (doleo), and "Password" (masked with dots), and a "Login" button; and "About" with "Change Log" and "Help" buttons.



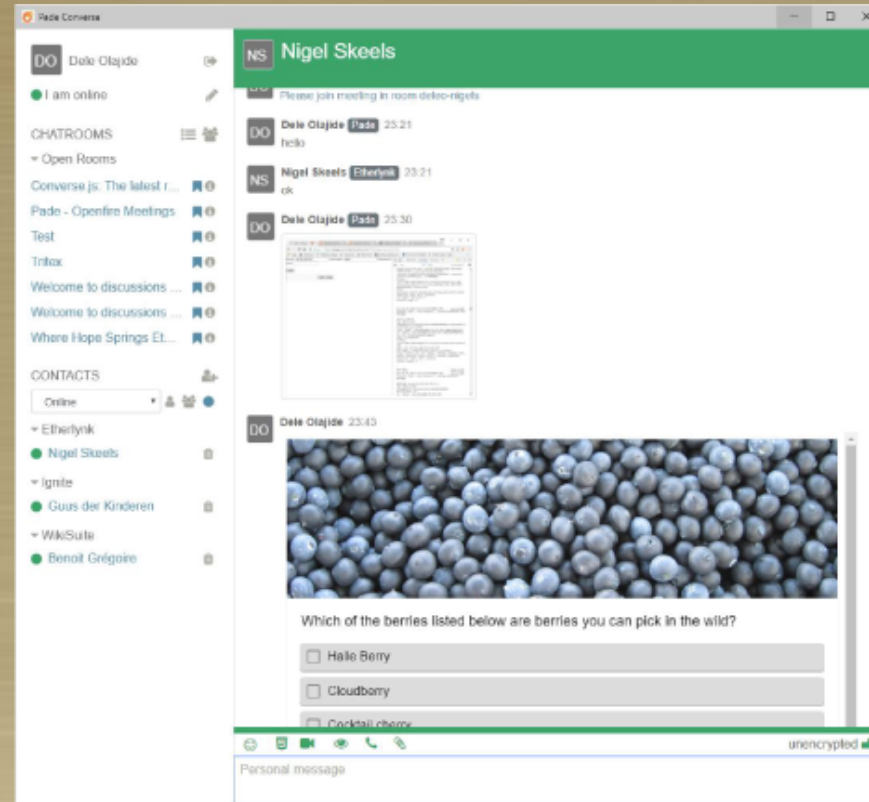
# Pàdé Group Chat

The screenshot shows a chat window with the following elements:

- Left Sidebar:** Contains navigation options like 'D0 Delle Clajde', 'CHATROOMS', and 'CONTACTS'. A list of users is visible under 'CONTACTS', including 'Etherealynk', 'Nigel Skeels', 'Ignite', 'Glaus der Kinderon', and 'Benoit Grégoire'.
- Chat Area:** Displays a conversation. Messages include:
  - 16:39: "Ooh, very nice indeed"
  - 16:42: "interesting"
  - 16:45: "Thanks Any help will be appreciated (see issues) What I'm planning with this is to be able to add your xmpp user and pass in newcloud so there's no need of multiple sign in's (think distroot.org or weho.st and private servers) Please give me an issue if there's any license issues"
  - 17:01: "Perhaps you can learn something from how the JSXC guys do things? For auth, they use this AFAIK: <https://github.com/jpxc/xmpp-cloud-auth>"
  - 17:47: "jcbbrand: will check it out thanks"
  - 22:59: "First I'll see if I can inject the user and pass with jquery into the HTML... Yes: <https://github.com/lif5/medcloud-conversejs/issues/24>"
  - 06:50: "You can pass credentials directly to 'converse initializer', thereby avoiding embedding them in the HTML. You can set 'auto\_login' to true and then pass in the 'jid' and 'password' values. <https://conversejs.org/docs/html/configuration.html#auto-login>"
- Right Panel:** Titled 'Occupants', it lists users in the chat with roles like 'Owner' and 'Moderator'. Below it, a 'Features' section lists options such as 'No password', 'Open', 'Persistent', 'Non-anonymous', and 'Unmoderated'.
- Bottom:** A 'Message' input field with icons for emojis, attachments, and actions.

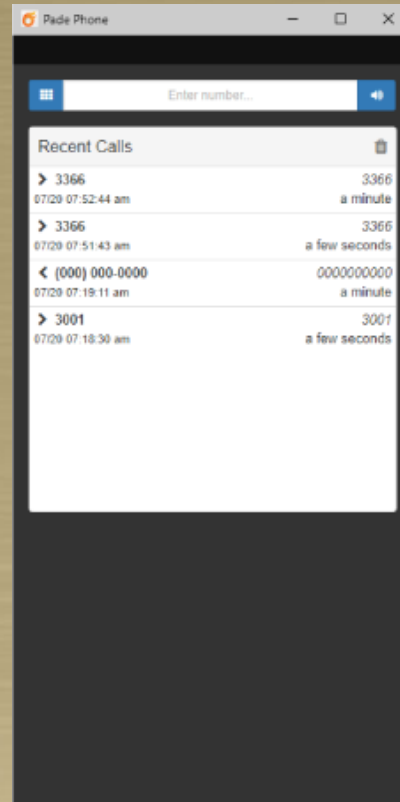


# Pàdé Private Chat





# Pàdé SIP Phone





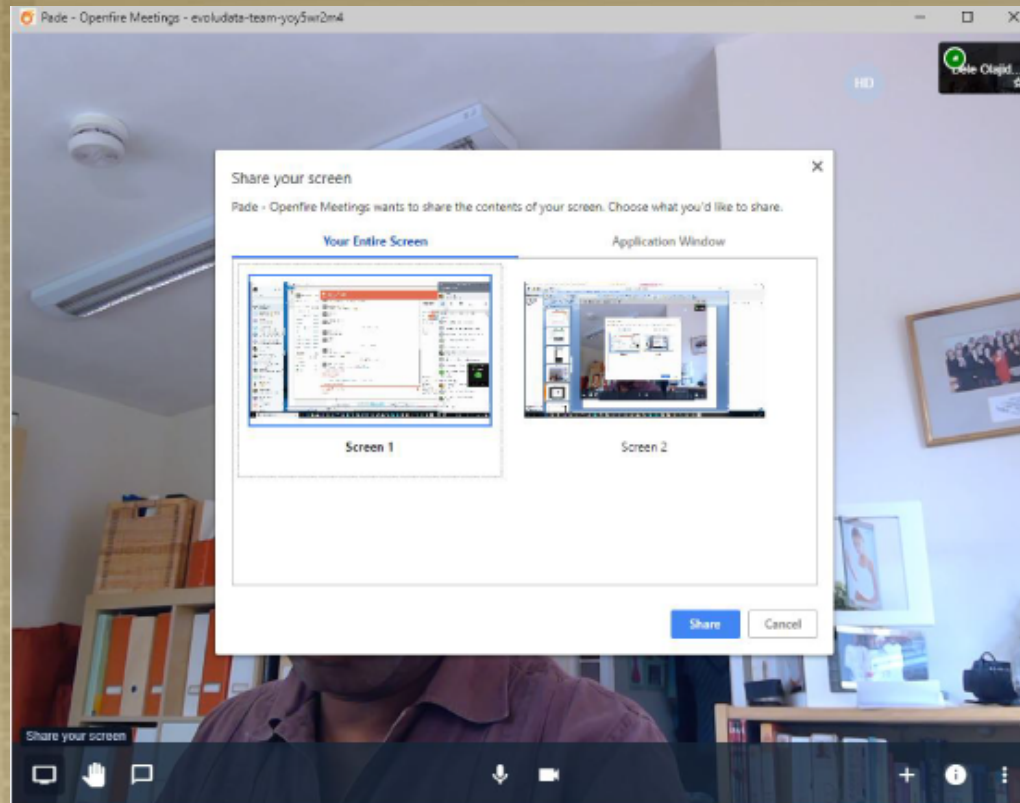
# Pàdé Meeting







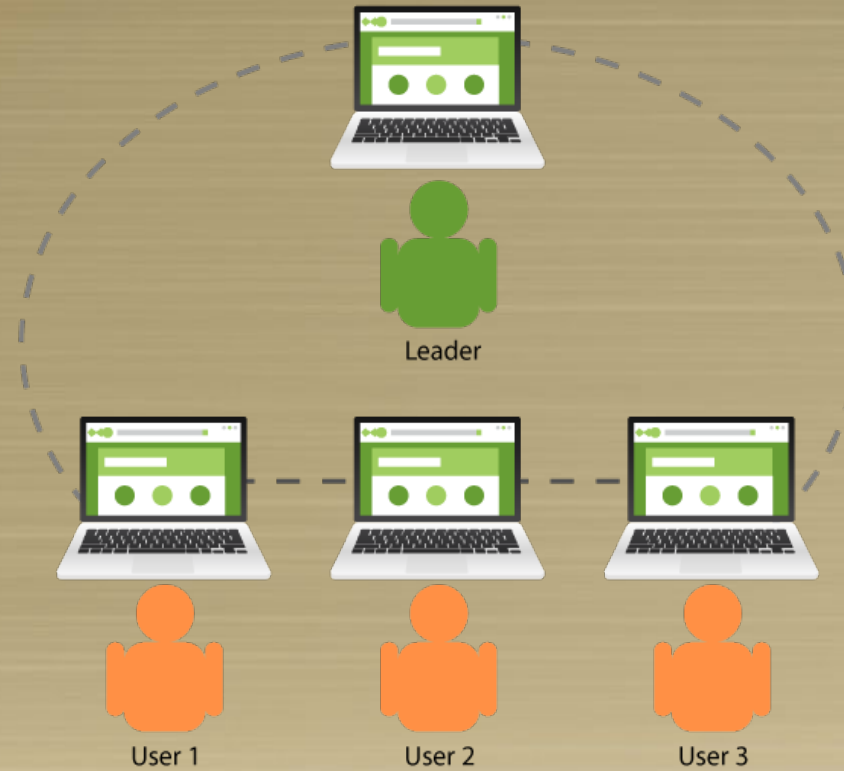
# Pàdé Screen Share





# Pàdé Co-browsing

Two or more users visiting various web pages and all are kept in sync with the leader.





# Pàdé Conversational Forms

It dynamically converts any HTML form into a conversation between a user and a bot.

The screenshot shows the Openfire WebUI interface. At the top, there are navigation tabs: Server, Users/Groups, Sessions, Group Chat, Plugins, Fastpath (highlighted), Web Clients, and Meetings. Below these, there are sub-tabs: Workgroups Manager and Reports. On the left, there are links for View Previous Chats and View Chat Usage. The main content area is titled 'Chat Conversation' and contains two sections: 'Conversation Metadata' and 'Chat Transcripts'.

**Conversation Metadata**

<b>Question:</b>	What is the meaning of life?
occupation	lost
submit-form	Yes
name	Joe Blogg
company	Bloggs and Sons Ltd
email	joe@bloggs.com

**Chat Transcripts**

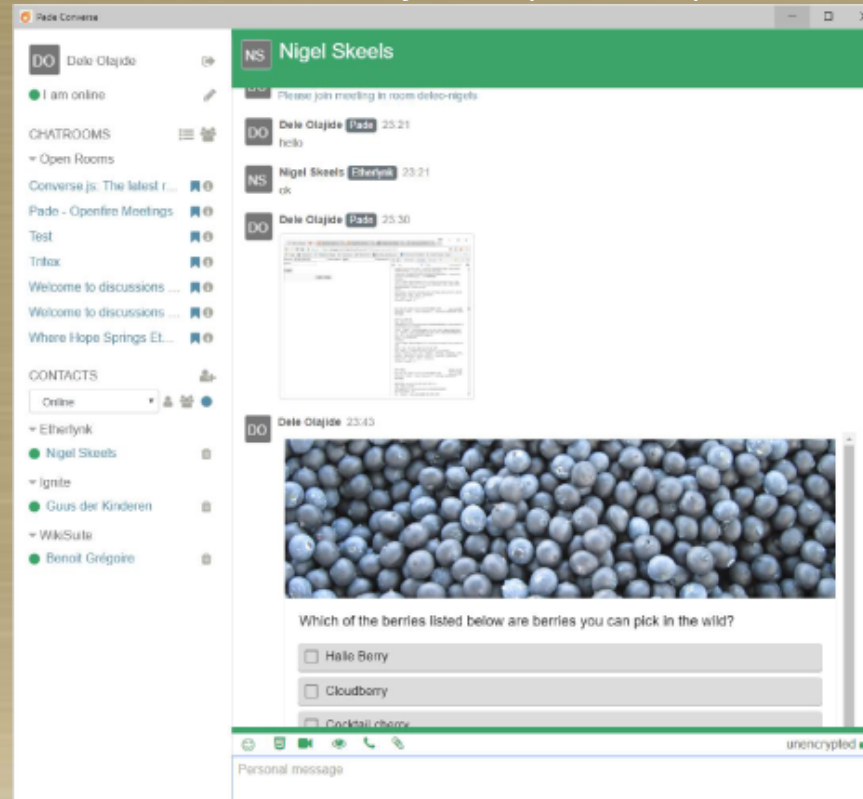
[9:10 AM] Joe Blogg has joined the room  
[9:11 AM] Frank Ozz has joined the room  
[9:11 AM] Frank Ozz: hello  
[9:11 AM] Joe Blogg: Hiya  
[9:11 AM] Frank Ozz: Please join meeting in room <https://desktop-545pc5b:7443/ofmeet/cdmonu9-zknzw3xkk>  
[9:12 AM] Frank Ozz: ok?  
[9:12 AM] Joe Blogg: Thanks  
[9:17 AM] Frank Ozz: <https://desktop-545pc5b:7443/apps/h5p/?path=deleo/fire-13>  
[9:17 AM] Joe Blogg: Joe Blogg completed H5P.CoursePresentation in deleo/fire-13 and scored 0%  
[9:18 AM] Frank Ozz has left the room  
[9:18 AM] Joe Blogg has left the room

The collected data can be sent server-side for processing. In the case of WebMeet, it is used as meta data to initiate a fastpath support session. More info at <https://github.com/igniterealtime/Pade/issues/30>.



# Pàdé H5P interactive content

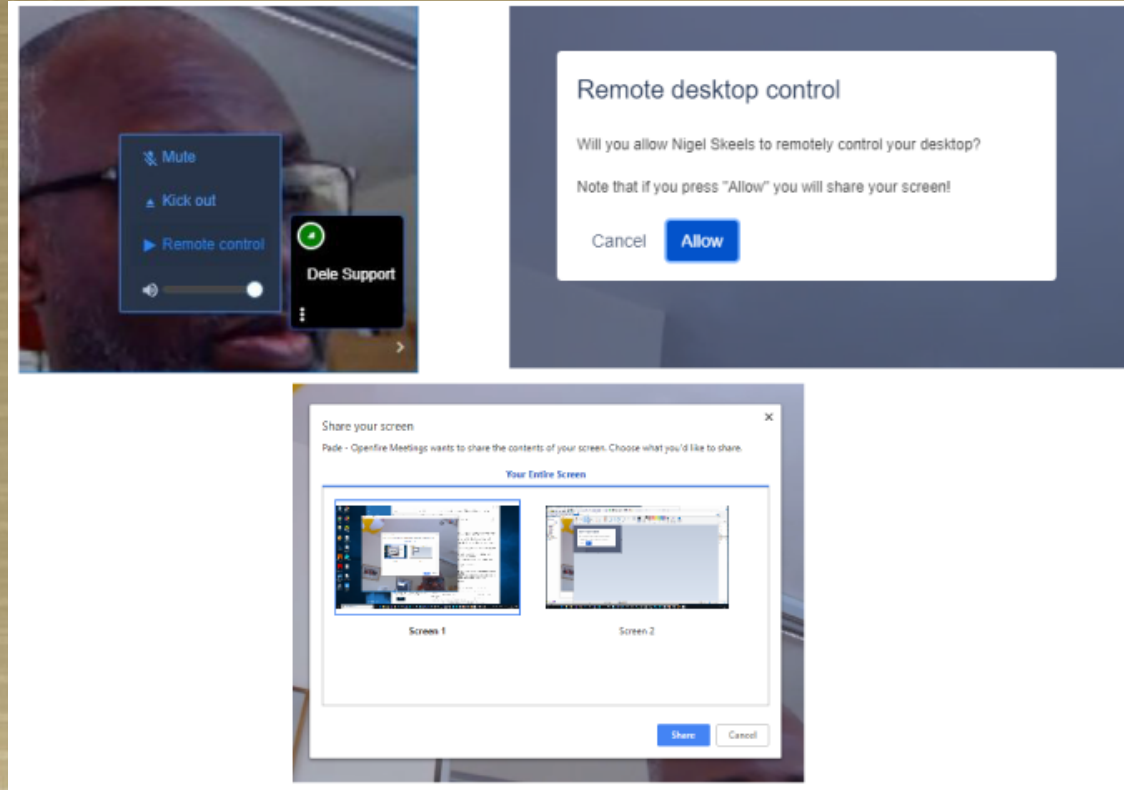
Pàdé supports H5P, which enables the creation, sharing and reusing of interactive HTML5 content in your browser. One of the many examples is a quiz in a chat:





# Pàdé Remote Control

Escalate a screen sharing session to permit remote control of keyboard and mouse. Facilitates support, training, etc.





# Pàdé App/Doc Sharing

A screenshot of a presentation slide displayed in a meeting window. The window title is "Pade - Openfire Meetings - discuss-yqgkbb7m". The slide content includes the University of Cambridge logo, the title "How to prepare and deliver a presentation", the name "Roberto Cipolla", his department "Department of Engineering", and his website "http://www.eng.cam.ac.uk/~cipolla". A "Delete" button is visible below the title. A context menu is open on the right side of the slide, listing options such as "Delete", "Manage call quality", "View full screen", "Share a YouTube video", "Open shared document", "Settings", "Speaker stats", and "View shortcuts". The bottom of the window shows a toolbar with icons for chat, mute, and other meeting controls.

Pade - Openfire Meetings - discuss-yqgkbb7m

UNIVERSITY OF CAMBRIDGE

How to prepare and deliver a presentation

Delete

Roberto Cipolla

Department of Engineering

<http://www.eng.cam.ac.uk/~cipolla>

- Delete
- Manage call quality
- View full screen
- Share a YouTube video
- Open shared document
- Settings
- Speaker stats
- View shortcuts



# Pàdé Message Blast

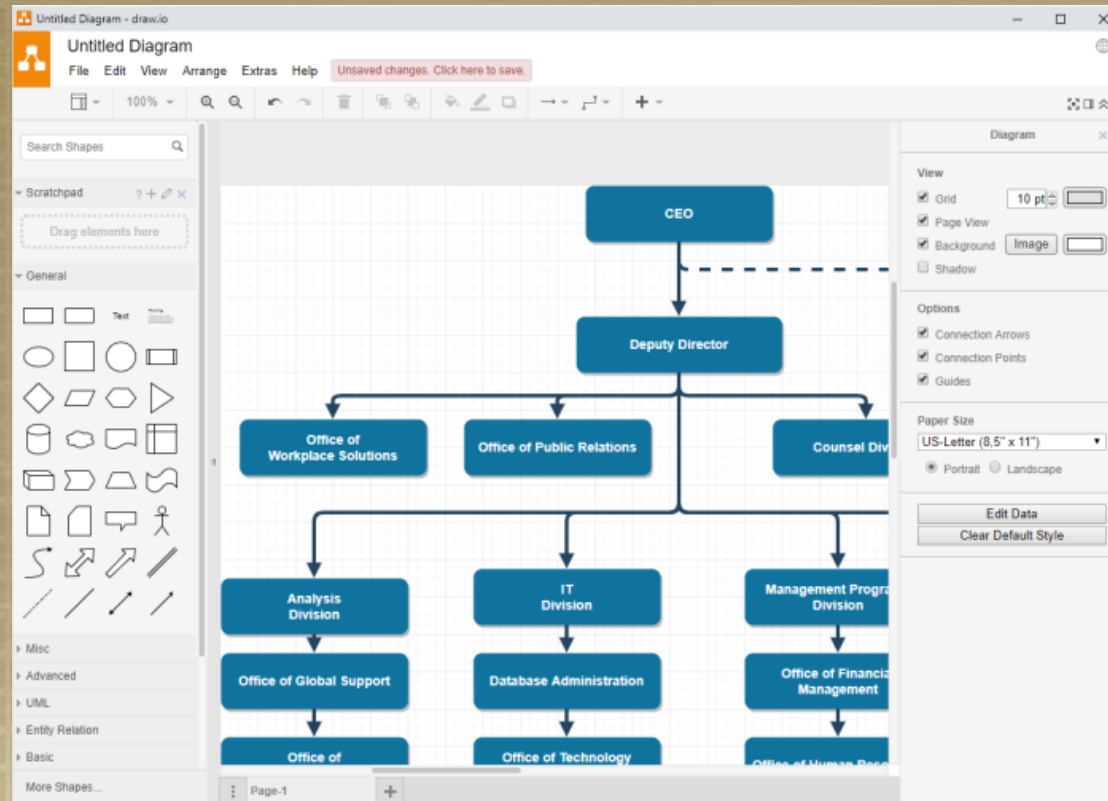
The screenshot shows the Openfire Message Blast application window. The title bar reads "Message Blast". The main menu includes "New Blast" (highlighted in orange), "Sent Blasts", "Pending Blasts", "Help", and "Settings". A search bar is located in the top right corner.

The interface is divided into two main sections:

- Form Fields:**
  - Send as:** A dropdown menu with "Dele Olajide" selected.
  - Reply to:** A dropdown menu with "Dele Olajide" selected.
  - Title:** An empty text input field.
  - Message:** A large empty text area for the message content.
- Options:**
  - Three checkboxes: "Mark as Critical", "Send later", and "Repeating send date", all of which are currently unchecked.
- Additional external recipients:**
  - A text input field containing "Comma separated list of additional ...".
  - Two buttons: "Upload CSV" and "Add Attachment".
- Buttons:** At the bottom left, there are two buttons: "Send Blast" (highlighted in orange) and "Reset".
- Recipients Panel:** On the right side, there is a "Recipients" panel with a search bar and a list of recipients:
  - A "+" button next to "Groups" (unchecked).
  - A "-" button next to "Contacts" (unchecked).
  - Under "Contacts", there are two entries:
    - "Nigel Skeels" (unchecked)
    - "Liam Gregory" (unchecked)



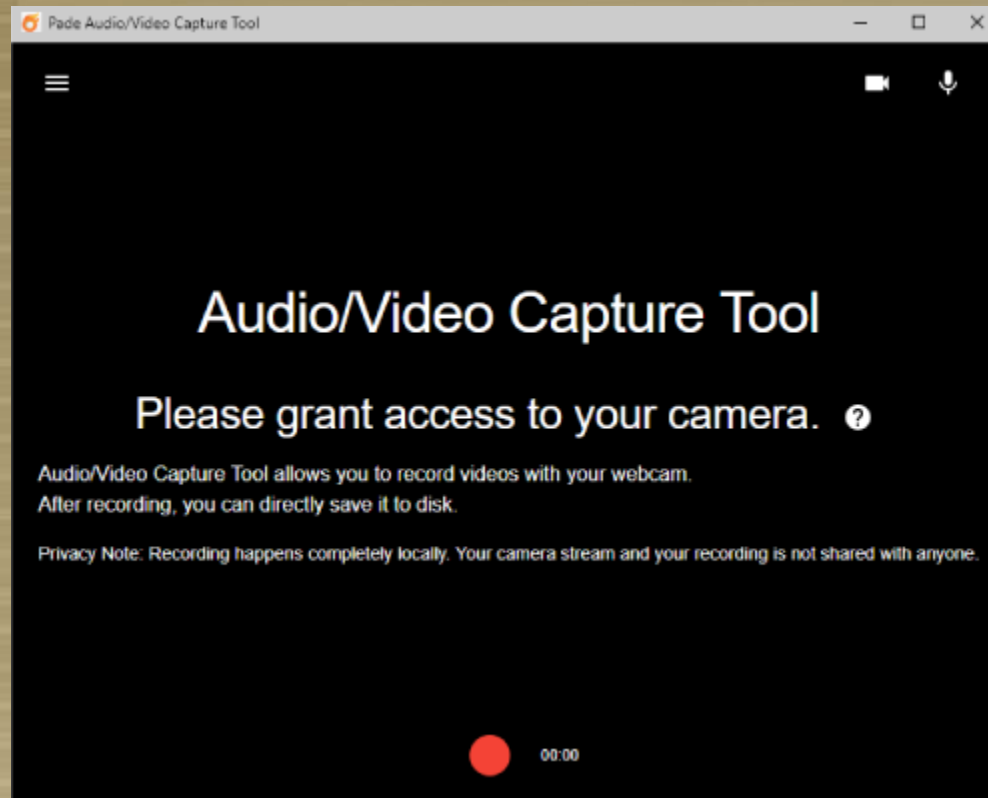
# Pàdé Realtime Collaboration on Diagrams





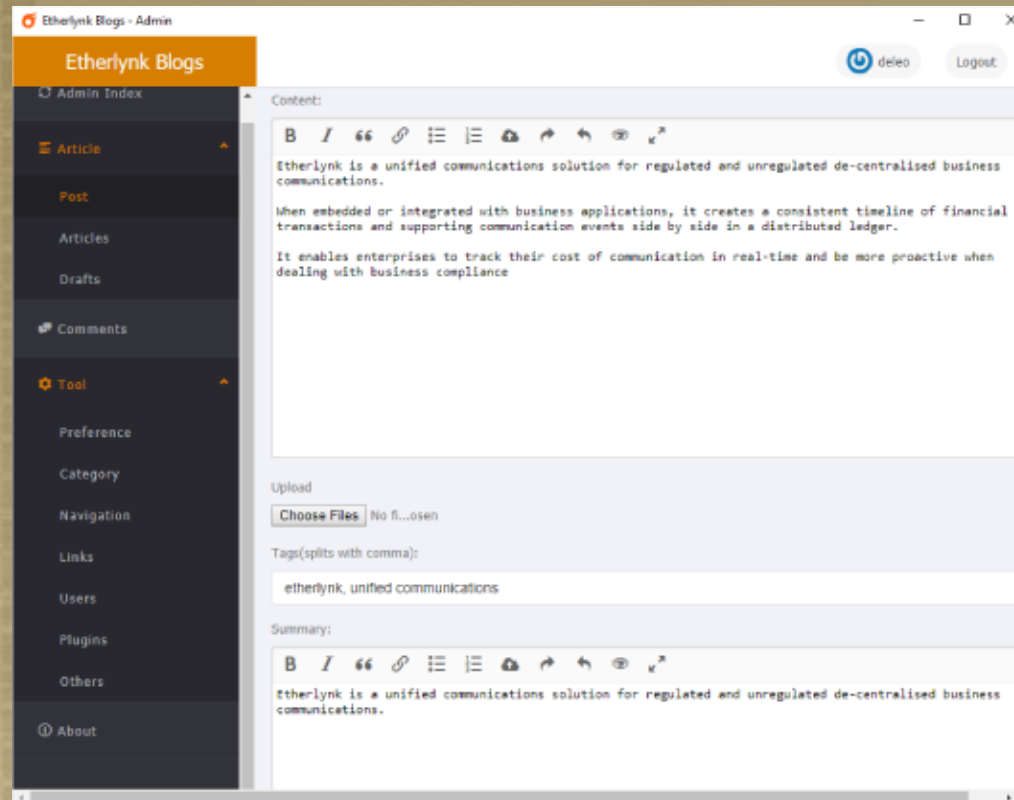


# Pade Screen/Audio/Video Capture





# Pàdé Blogger



The screenshot shows the Etherlynk Blogs Admin interface. On the left is a dark sidebar with a navigation menu. The main content area is titled "Etherlynk Blogs" and contains a rich text editor for writing a blog post. The editor includes a toolbar with icons for bold, italic, link, and other text formatting options. The main text area contains the following content:

**Content:**

**B** *I* “ ” [link icon] [list icon] [bulleted list icon] [undo icon] [redo icon] [link icon] [unlink icon]

Etherlynk is a unified communications solution for regulated and unregulated de-centralised business communications.

When embedded or integrated with business applications, it creates a consistent timeline of financial transactions and supporting communication events side by side in a distributed ledger.

It enables enterprises to track their cost of communication in real-time and be more proactive when dealing with business compliance

**Upload:** Choose Files No files open

**Tags (splits with comma):** etherlynk, unified communications

**Summary:**

**B** *I* “ ” [link icon] [list icon] [bulleted list icon] [undo icon] [redo icon] [link icon] [unlink icon]

Etherlynk is a unified communications solution for regulated and unregulated de-centralised business communications.



# Pàdé Blog Web Site

A screenshot of a web browser displaying the Etherlynk Blogs website. The browser's address bar shows a URL starting with "https://desktop-545pc5b7443/solo/articles/2018/03/27/1522157843323.html". The website header includes the "Etherlynk Blogs" logo and the tagline "Unified Communications Solution". Below the header is a navigation menu with links for "Index", "Dynamic", "Tag Cloud", "Archive", "Friend Links", and "RSS", along with a search bar. The main content area features an article titled "Etherlynk Product Summary" dated "2018-03-27" with "0 Comment" and "0 View". The article text describes Etherlynk as a unified communications solution for regulated and unregulated de-centralised business communications. It highlights that when embedded or integrated with business applications, it creates a consistent timeline of financial transactions and supporting communication events side by side in a distributed ledger. It also states that it enables enterprises to track their cost of communication in real-time and be more proactive when dealing with business compliance. Below the article text are social media-style tags for "# etherlynk" and "# unified communications", a "Comment" section, and a "Post Comment" section with a row of colorful emojis. On the right side of the page, there is a sidebar with a green "Etherlynk Blogs" header, a "Tags" section with buttons for "etherlynk" and "unified communications", a "deleo" section with a blue circular logo and statistics (1 Article, 0 Comment, 1 View, 1 Visitor), and a "Most Comment Articles" section listing "Etherlynk Product Summary".



# Pàdé Live Chat

A screenshot of a web browser displaying the Pàdé website. The browser's address bar shows the URL "https://igniterealtime.github.io/Pàdé/". The website has a dark header with the Pàdé logo and a description: "Pàdé (the 'p' is pronounced explosively) is the Yoruba word for 'Meet'. Pàdé is a unified communications web browser extension for Openfire Meetings". A red banner in the top right corner says "Fork us on GitHub". Below the header are four white boxes with orange icons and text: "Quick Start" (arrow icon) with "How to get started quickly", "Features" (document icon) with "Chat/GroupChat, Audio/Video Conferencing, SIP Telephony and other features.", "Support" (robot icon) with "FAQs, Issues and open source code", and "Security &amp; Networking" (warning icon) with "Security and Network Considerations". On the right side, there is a chat window titled "Pàdé" with a sub-header "Openfire Meetings Client" and a date "Tuesday Sep 4th 2018". The chat log shows "Visitor has entered the room" and "Topic set by: How may we assist?". At the bottom of the chat window is a "Message" input field with a microphone icon on the left and a send icon on the right.



# Pàdé Rest API

A screenshot of the Openfire Admin Console's Swagger Chat API Documentation/Sandbox. The browser address bar shows the URL: desktop-545pc5b-9090/plugins/ofchat/swagger-ui-sandbox.jsp. The console has a navigation menu on the left with options: Settings, Documentation (selected), Email Listener, and uPort. The main content area is titled "Swagger Chat API Documentation/Sandbox" and "Chat API for Openfire Meetings". It lists several API endpoints: "Ask : For assistance (Fastpath)", "Blast : Blast messages to users", "Chat : Perform presence, chat and groupchat operations", and "Rooms : Retrieve a list of groupchat/muc rooms". The "Chat" section is expanded, showing endpoints for "/restapi/v1/chat/certificate", "/restapi/v1/chat/enroll", and "/restapi/v1/chat/enroll". The "/restapi/v1/chat/enroll" endpoint is highlighted in red, indicating a DELETE method. Below the endpoints, there is a "Response Class (Status 200)" section showing a JSON response structure with fields for "mucRooms", "adminGroups", and "admins".

Openfire Admin Console: X

Not secure | desktop-545pc5b-9090/plugins/ofchat/swagger-ui-sandbox.jsp

Apps Extensions Traderlynk Skype Symphony Bookmarks Burfee\_website\_scri Chromium Portable Credit Suisse Capit Download Test Drive

Server Users/Groups Sessions Group Chat Plugins Web Clients Fastpath Meetings

inVerse Chat API

Settings  
Documentation  
Email Listener  
uPort

### Swagger Chat API Documentation/Sandbox

#### Chat API for Openfire Meetings

Chat API REST+SSE Documentation

Ask : For assistance (Fastpath) Show/Hide List Operations Expand Operations

Blast : Blast messages to users Show/Hide List Operations Expand Operations

Chat : Perform presence, chat and groupchat operations Show/Hide List Operations Expand Operations

- GET /restapi/v1/chat/certificate Download a user client certificate
- DELETE /restapi/v1/chat/enroll Delete a TOTP user enrollment
- GET /restapi/v1/chat/enroll Get QR-Code for TOTP user enrollment
- GET /restapi/v1/chat/rooms Retrieve a list of groupchat/muc rooms

Response Class (Status 200)  
OK

Model Example Value

```
{  
  "mucRooms": [  
    {  
      "adminGroups": [  
        "string"  
      ],  
      "admins": [  
        "string"  
      ]  
    }  
  ]  
}
```





# Pàdé Archiving

Server | Users/Groups | Sessions | Group Chat | Plugins | Web Clients | Fastpath | Meetings

Server Manager | Server Settings | TLS/SSL Certificates | Media Services | PubSub | Bookmarks | Phone | Statistics | Archiving

Search Archive  
Archiving Settings  
Conversations

### Search Archive

Participant(s):   
Date Range: Start:  End:   
Keywords: (optional)

Search

**Search Results: 211**  
Your search returned 211 results. Select a result on the left to view the chat conversation.

1 - 15 of 211	1 2 3 4 5 - 15
1. Group Chat: lobby Participants: 5	Mar 27, 2018
2. Group Chat: serena Participants: 1	Mar 27, 2018
3. Group Chat: leaf Participants: 1	Mar 27, 2018
4. Group Chat: lobby Participants: 1	Mar 27, 2018
5. Group Chat: serena Participants: 1	Mar 22, 2018
6. Group Chat: leaf Participants: 1	Mar 22, 2018
7. Group Chat: lobby Participants: 1	Mar 22, 2018
8. Group Chat: serena Participants: 1	Mar 22, 2018

Participants: 5 [View PDF](#)  
Message Count: 223  
Date: Mar 27, 2018 2:04:47 PM  
Duration: 7 min

[2:04 PM] deleo-Flae36 (deleo) has joined the room  
[2:04 PM] focus (Openfire Meetings Focus User) has joined the room  
[2:06 PM] 82p4Buz1 (anonymous) has joined the room  
[2:06 PM] 82p4Buz1 (anonymous) has left the room  
[2:06 PM] deleo-c8fd9 (deleo) has joined the room  
[2:08 PM] deleo-Flae36 (deleo) has left the room  
[2:08 PM] deleo-22d6N (deleo) has joined the room  
[2:08 PM] deleo-c8fd9 (deleo) has left the room  
[2:12 PM] deleo-22d6N (deleo) has left the room  
[2:12 PM] focus (Openfire Meetings Focus User) has left the room







# Pàdé Devices - StreamDeck







# Pàdé Devices - other features

- URL Protocol Handlers (ex.: 1-click join XMPP chatroom)
- Branding (replace the logo with your organizations's logo)
- And many more!





# Pàdé

Questions?





# Pàdé

## Help/Assistance?

Documentation

Native Apps packaging for OSX & Linux Pàdé for Firefox & MS Edge

