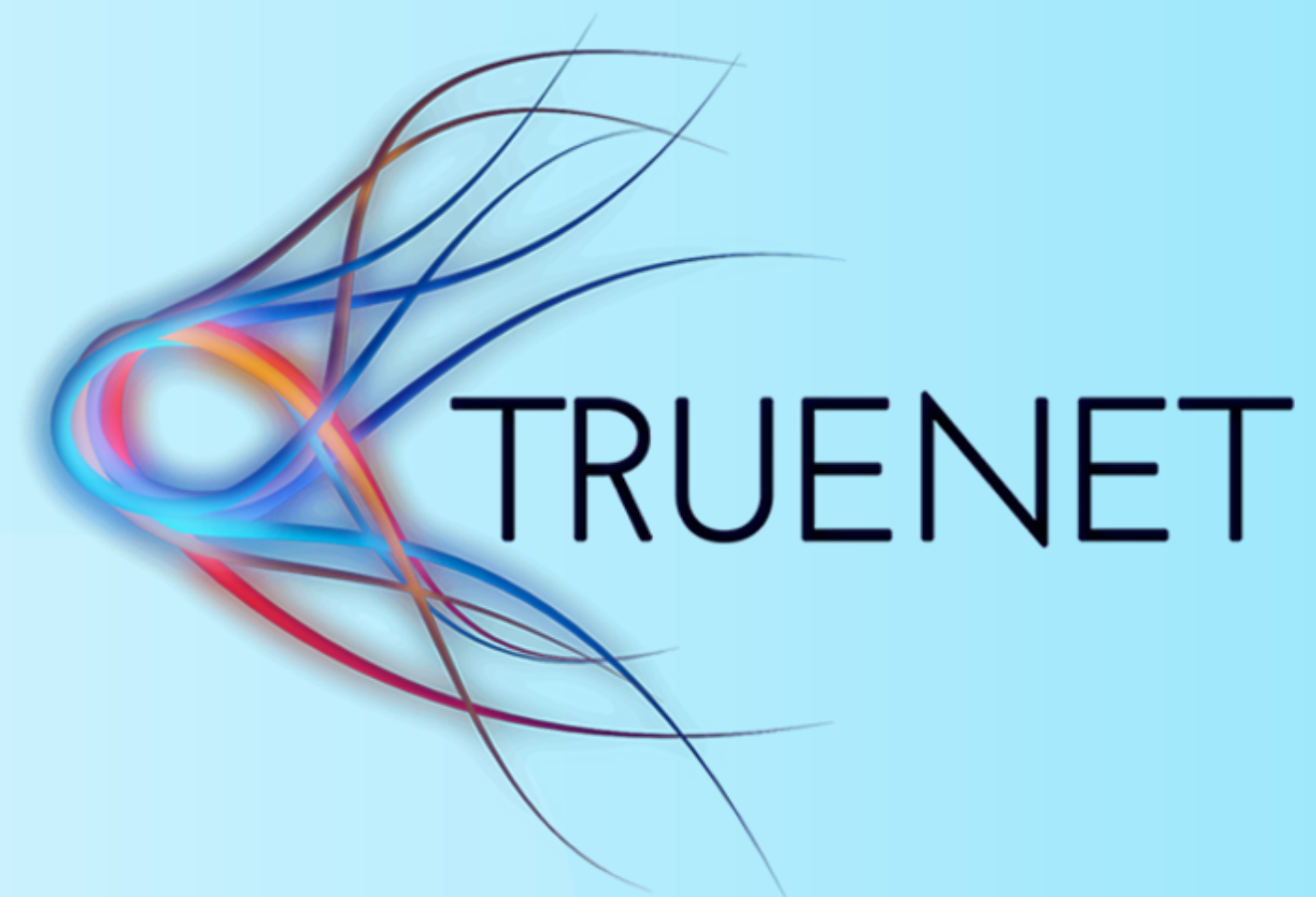


mum

WE MAKE IT
HAPPEN



Porto
Guarda
Lisboa



DANIELA SILVA

CFO & CHRO



Serviço Pós-venda

*Suporte Técnico
Gestão e Operações
Outsourcing*



Redes de Comunicação de Dados

*Routing
Switching
Redes WiFi
Unified Communications*



Segurança de Rede

*Firewall
Network Admission Control
Detecção de Intrusão*



Desenvolvimento de Software

*Websites
Aplicações Web
Aplicações iOS
Aplicações Android*



JORGE CRUZ

HEAD SOFTWARE DEVELOPER



VITOR RIBEIRO

SENIOR NETWORK ENGINEER

O trueWiFi

O QUE É

É uma ferramenta que dá uma visão geral do utilizador WiFi, ajudando a empresa/gestor a entender os utilizadores e interagir com eles.

It is a tool that gives an overview of the WiFi user, helping the company / manager to understand users and interact with them.

**PERMITE AO UTILIZADOR UMA
EXPERIÊNCIA ÚNICA COM OS SEUS PRODUTOS,
SERVIÇOS E EVENTOS.**

**GIVES THE USER AN
UNIQUE EXPERIENCE WITH YOUR PRODUCTS, SERVICES AND EVENTS.**



Instalação rápida
Baixo custo
Conheça os seus clientes
Facilidade de utilização

Quick installation
Low cost
Knowledge of your customers
Ease of use

O trueWiFi

DE IDEIA A NEGÓCIO

Instalação fácil e automática.

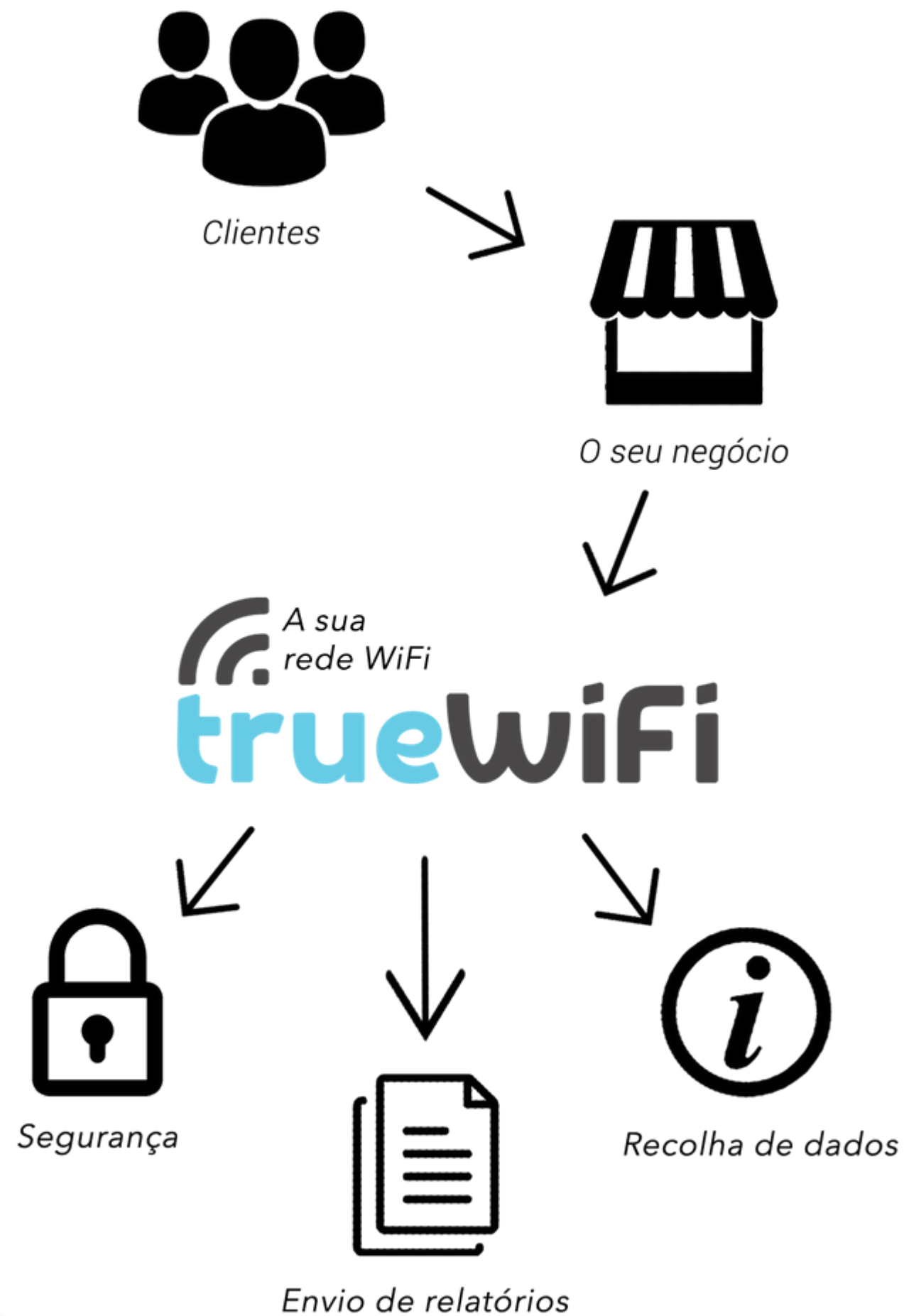
Easy and automatic installation.

Soluções flexíveis ajustadas ao seu negócio.

Flexible solutions tailored to your business.

UMA TECNOLOGIA AO SEU SERVIÇO!

A TECHNOLOGY AT YOUR SERVICE!



EQUIPAMENTOS MIKROTIK



**Mikrotik WAP AC
Indoor / Outdoor
2.4 GHz / 5.0 GHz**

Equipamentos de última geração que proporcionam toda a garantia de acesso, rapidez e segurança.

Last generation equipments that provide guarantee of access, speed and safety.

**Mikrotik HAP AC LITE
Indoor
2.4 GHz / 5.0 GHz**



criação e configuração de hotspots

The screenshot displays the TrueWiFi management dashboard. The browser address bar shows the URL `app.truewifi.io/hotspots/info/k2nXDWvctXquKE7P5/configs`. The page title is "Hotspots" and the breadcrumb trail is "Hotspots / Hairstudio Matosinhos / Configurações".

Navigation tabs include "Dashboard", "Clientes", and "Hotspots". The main content area is divided into several sections:

- Hotspots:** Includes buttons for "Utilizadores", "Configurações" (active), "Subscrição", and "Editar".
- Informação:** Shows the "ID de Configuração HotSpot" as `k2nXDWvctXquKE7P5` and provides buttons to "Obter aplicação de configuração do router" for "Windows" and "Mac".
- Routers:** A table with columns: "Nome do Router", "Identidade", "Estado", "Ativo", and "Ações". It shows two routers: one with state "PENDENTE" and one with state "ATIVO".
- Ações de Admin:** Includes buttons for "Sincronizar Tipo de Subscrição", "Criar Registo de Subscrição Trial", and "Apagar Hotspot". It also displays "Data de Expiração" as "2019-07-10 19:12:00" and "Limite de Routers" as "2".

Nome do Router	Identidade	Estado	Ativo	Ações
	---	PENDENTE	<input checked="" type="checkbox"/>	Editar Apagar
WAP LTE	86C6070793CC	ATIVO	<input checked="" type="checkbox"/>	Editar Apagar

CRIAÇÃO E CONFIGURAÇÃO DE HOTSPOTS

trueWiFi

Dispositivo não detetado

ID do HotSpot

SSID

PIN

Opções Avançadas

PROCURAR DISPOSITIVO

NodeJS
Desktop
APP

MIKRO NODE

```
return new Promise(function(resolve, reject){

  var MikroNode = require('mikronode');
  var device = new MikroNode(ip);

  device.connect().then(([login])=>login(USERNAME, PASSWORD)).then(function(conn) {
    conn.closeOnDone(true);
    var chan = conn.openChannel();
    chan.sync(true);
    chan.write('/system/reset-configuration', { 'run-after-reset': configFileName });
    resolve();
    chan.close();
  }, function(err){
    console.log(err);
    reject(err);
  });
});
```

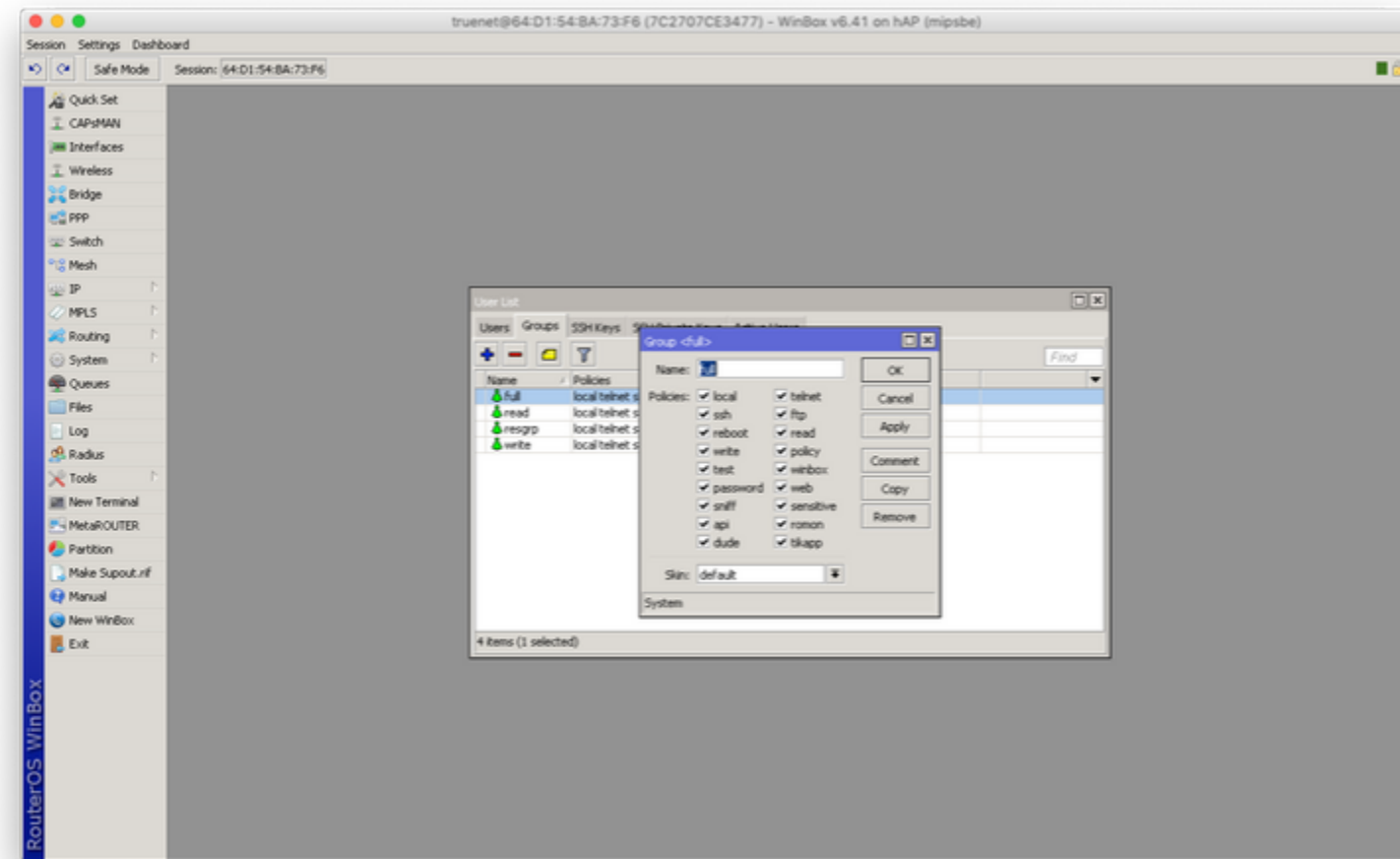
```
var chan2 = conn.openChannel("getSN", true);
var chan = conn.openChannel("getinterfaces", true);

chan2.sync(true);
chan.sync(true);
var obj_final = {};
obj_final.interfaces = [];

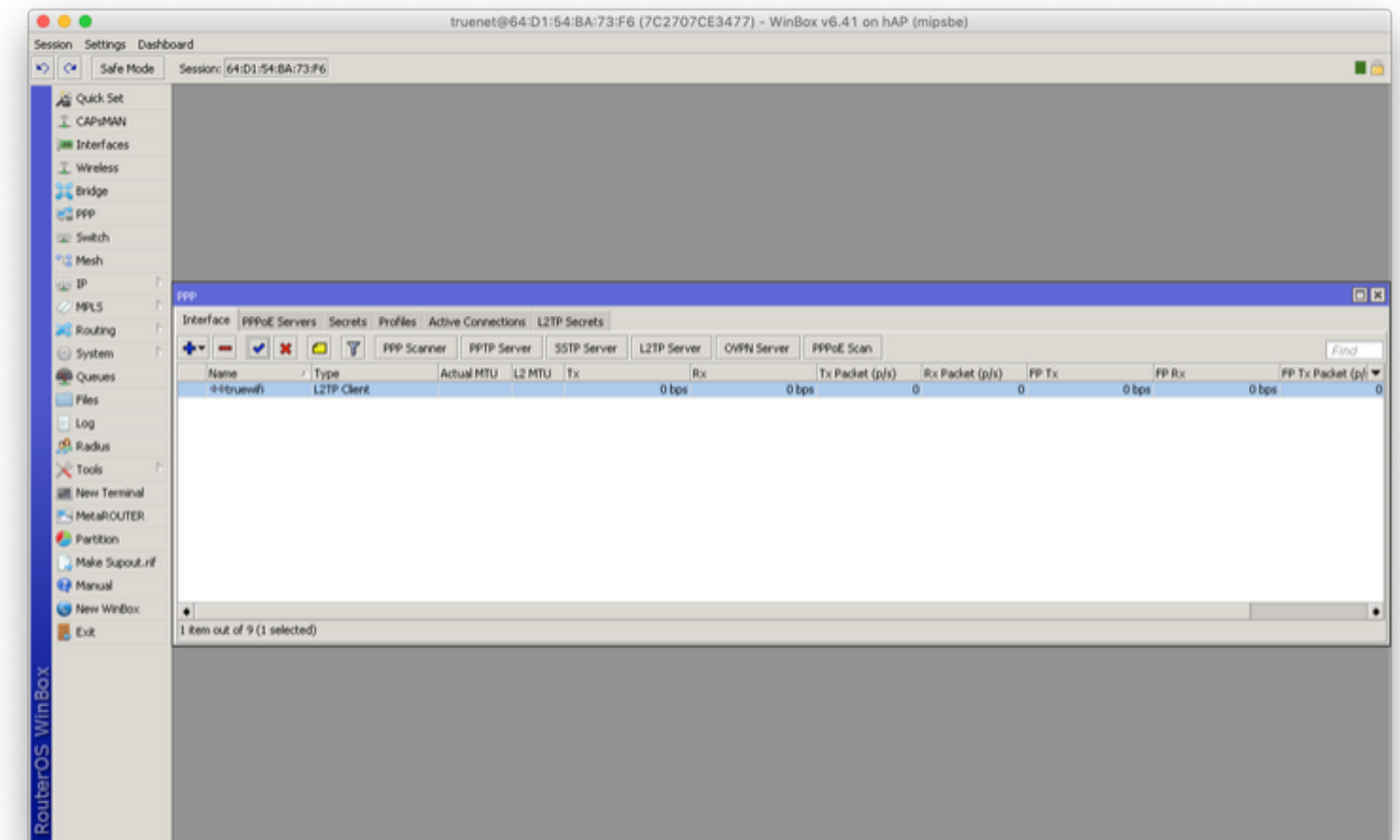
// Get router serial number
chan2.write('/system/routerboard/print');
chan2.done.subscribe(function(data2){
  var results = MikroNode.resultsToObj(data2.data[0]);
  var SN = results["serial-number"];
  chan2.close();
  if(!SN || SN == "undefined"){
    reject();
  } else {
    obj_final.SN = SN;
  }
});

var wlanCount = 0;
// Get router interfaces
chan.write('/interface/print');
chan.done.subscribe(function(data3){
  data3.data.forEach(function(item2) {
    var data_2 = MikroNode.resultsToObj(item2);
    if (data_2.type == 'ether') {
      obj_final.interfaces.push(data_2['default-name']);
    } else if (data_2.type == 'wlan'){
      wlanCount++;
    }
  });
  if(conf_opts.type == "default" && wlanCount < 2){
    reject("insuficient-interfaces");
  }
  chan.close();
  resolve(obj_final);
});
});
```

API MIKROTIK



VPN



BRIDGE

truenet@64-D1-54-BA-73-F6 (7C2707CE3477) - WinBox v6.41 on hAP (mipsbe)

Session Settings Dashboard

Safe Mode Session: 64-D1-54-BA-73-F6

Bridge

Name	Type	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx Packet (p/s)
R #bridge1	Bridge	1598	0 bps	400 bps	0	1	0 bps	0 bps	0	0
R #bridge2	Bridge	1598	2.1 kbps	31.7 kbps	2	16	0 bps	26.8 kbps	0	0

2 items out of 9

truenet@64-D1-54-BA-73-F6 (7C2707CE3477) - WinBox v6.41 on hAP (mipsbe)

Session Settings Dashboard

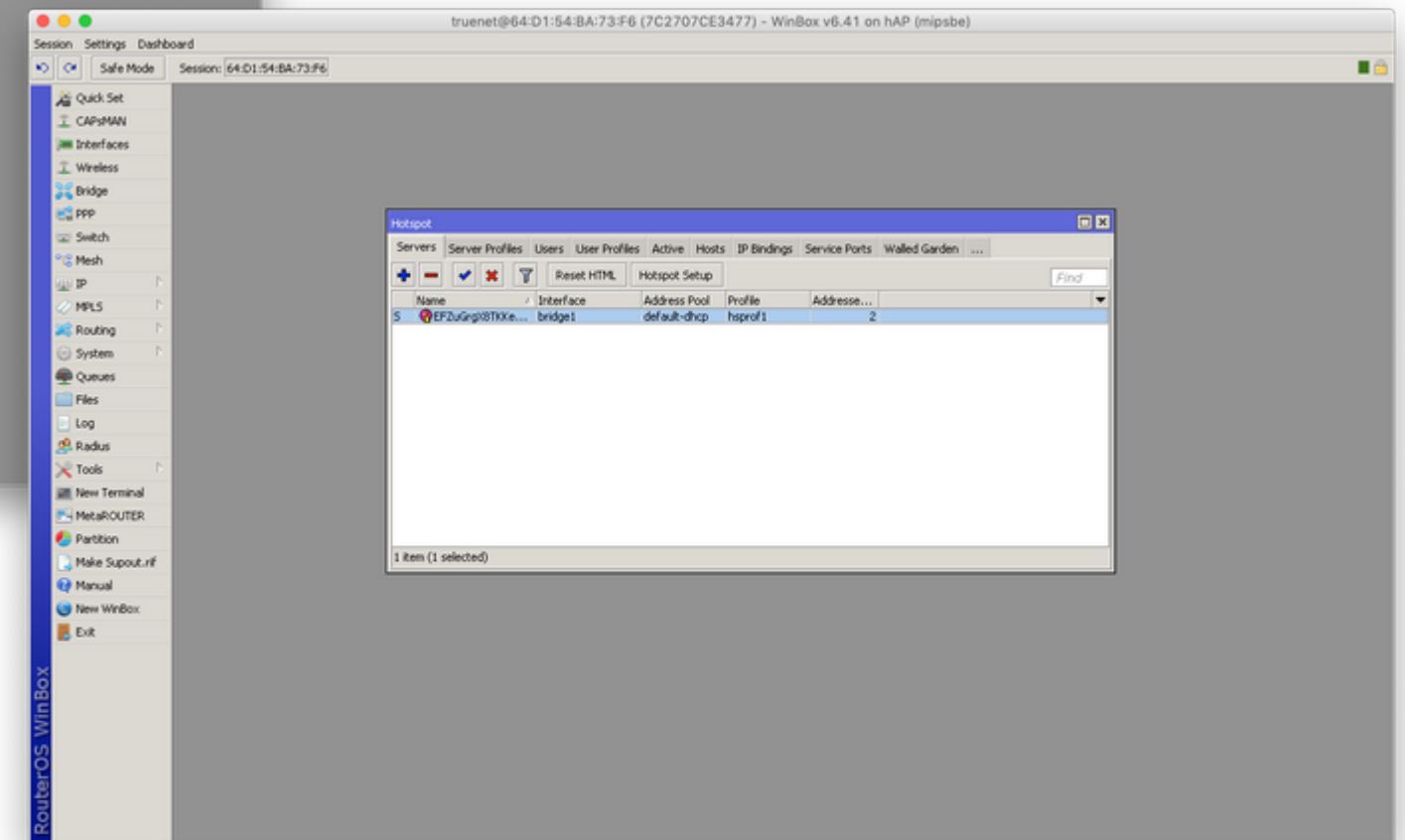
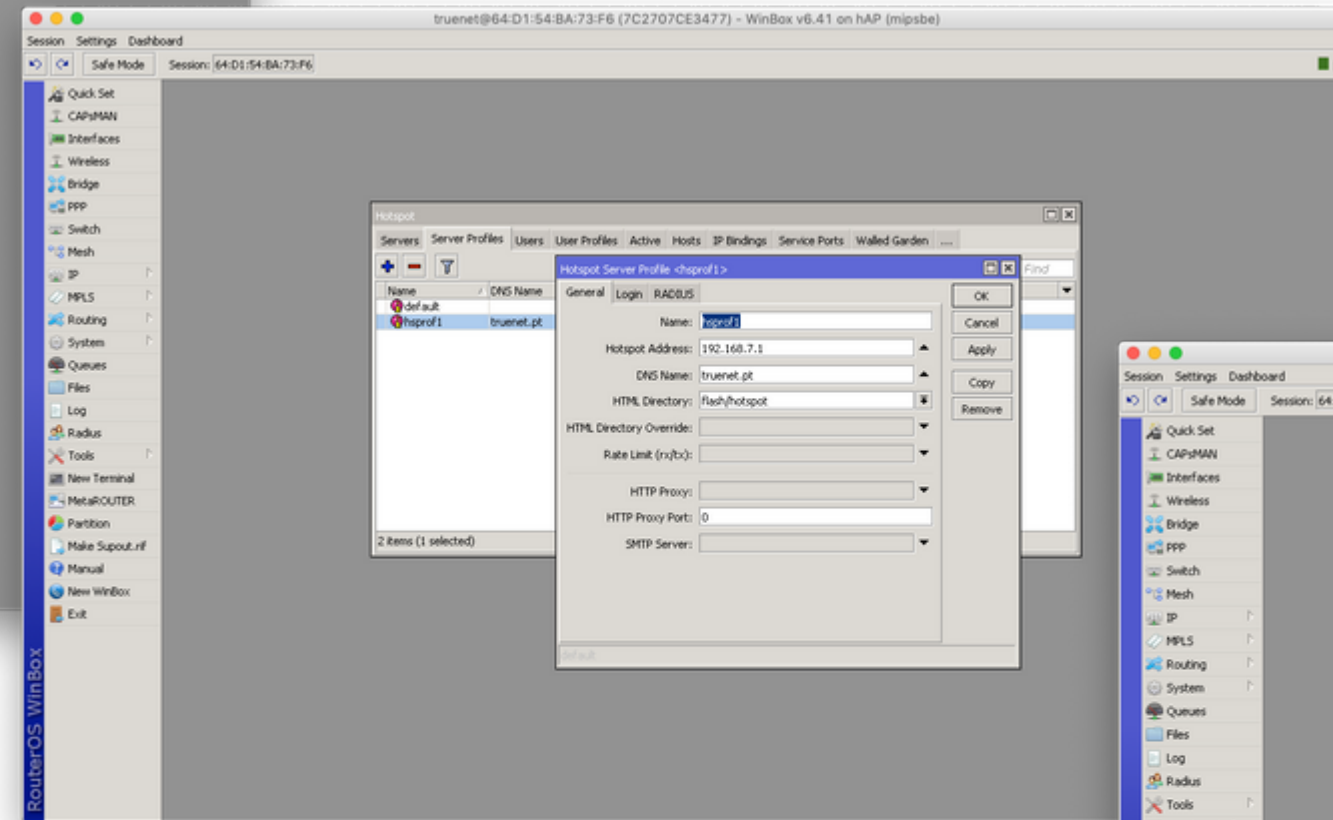
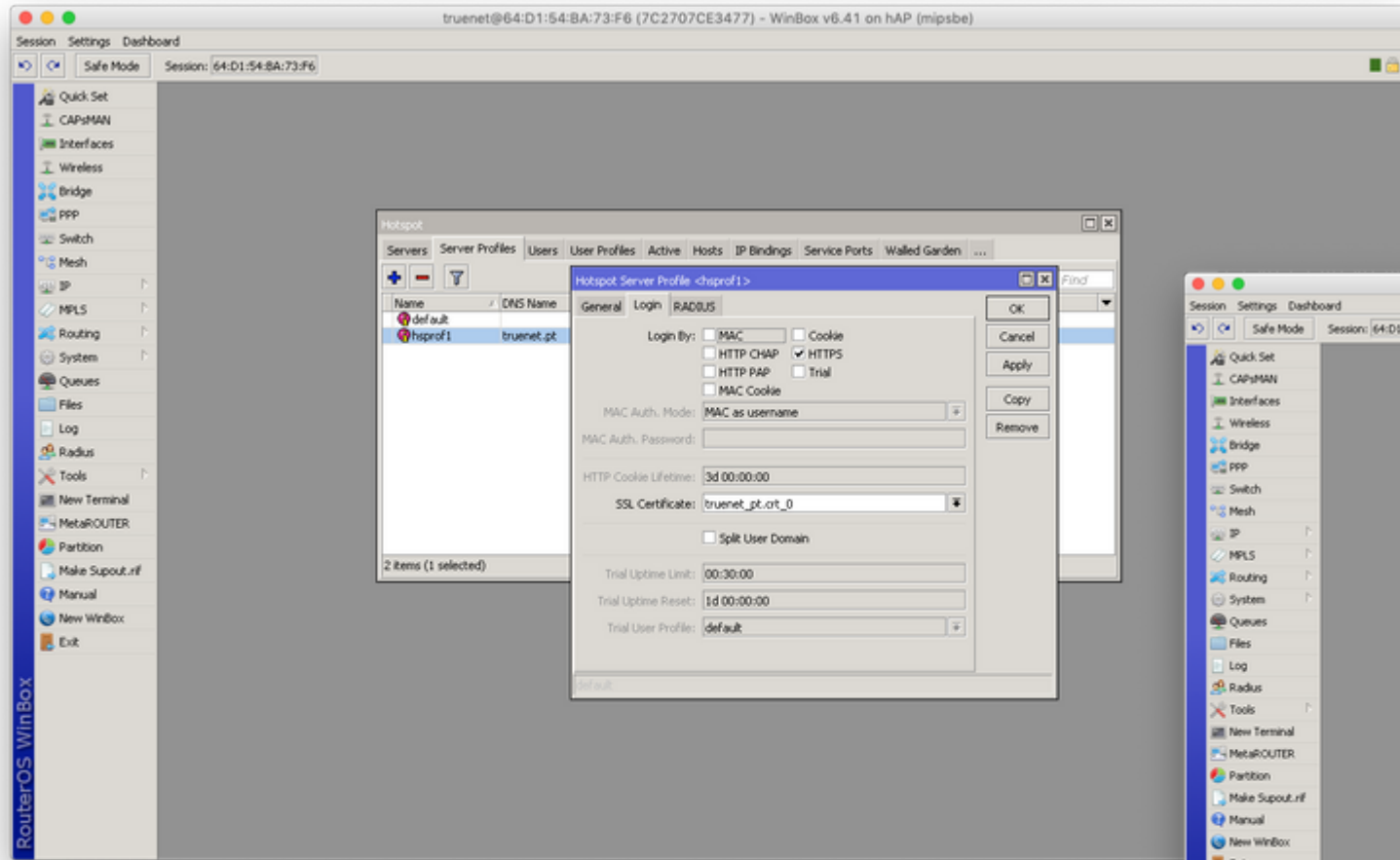
Safe Mode Session: 64-D1-54-BA-73-F6

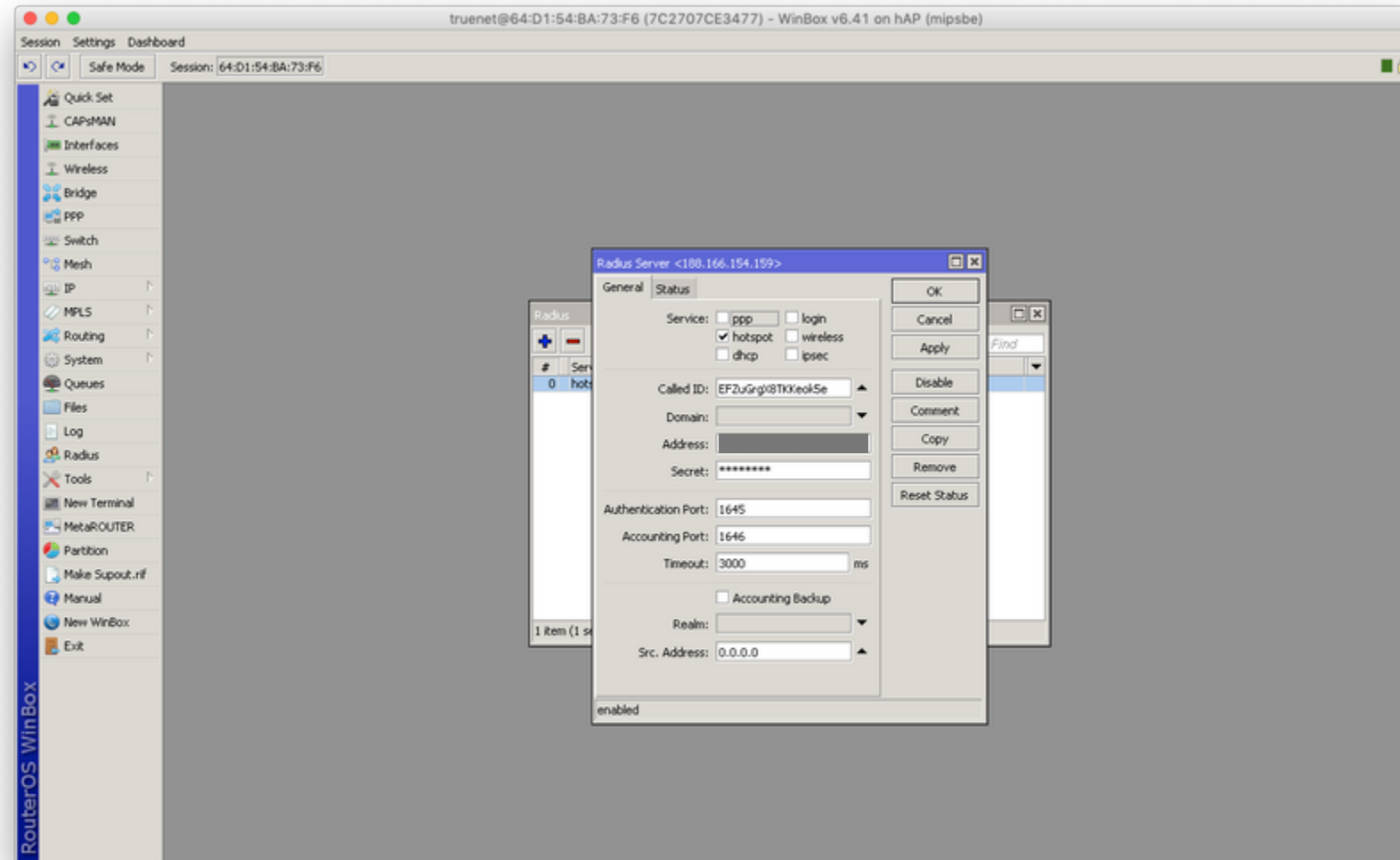
Bridge

#	Interface	Bridge	Horizon	Priority (...	Path Cost	Role	Root Pat...
0 I	#ether3	bridge2		80	10	disabled port	
1 I	#ether4	bridge2		80	10	disabled port	
2 I	#lan1	bridge2		80	10	designated port	
3 H	#ether5	bridge1		80	10	designated port	
4 I	#ether2	bridge2		80	10	designated port	

5 items

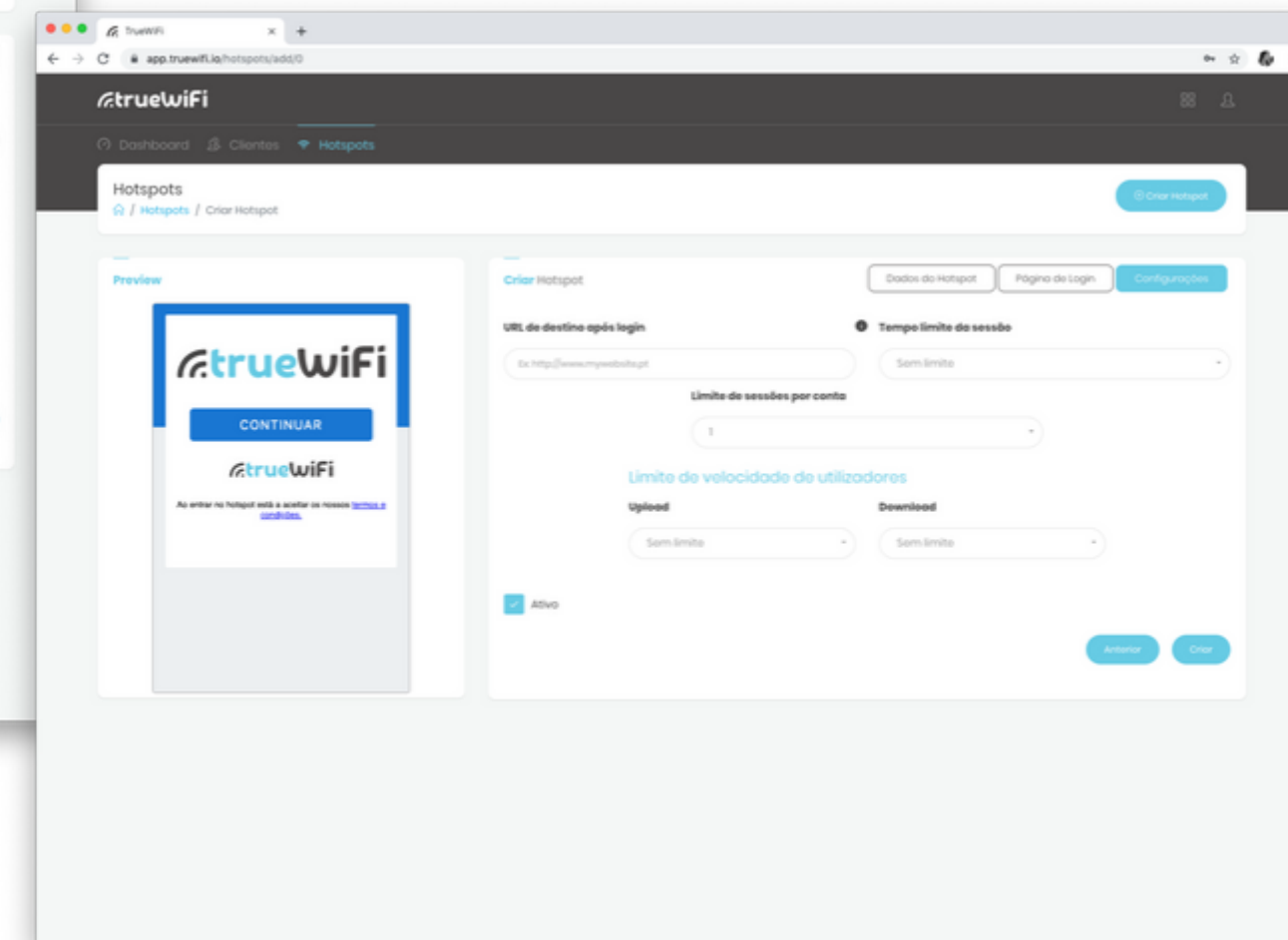
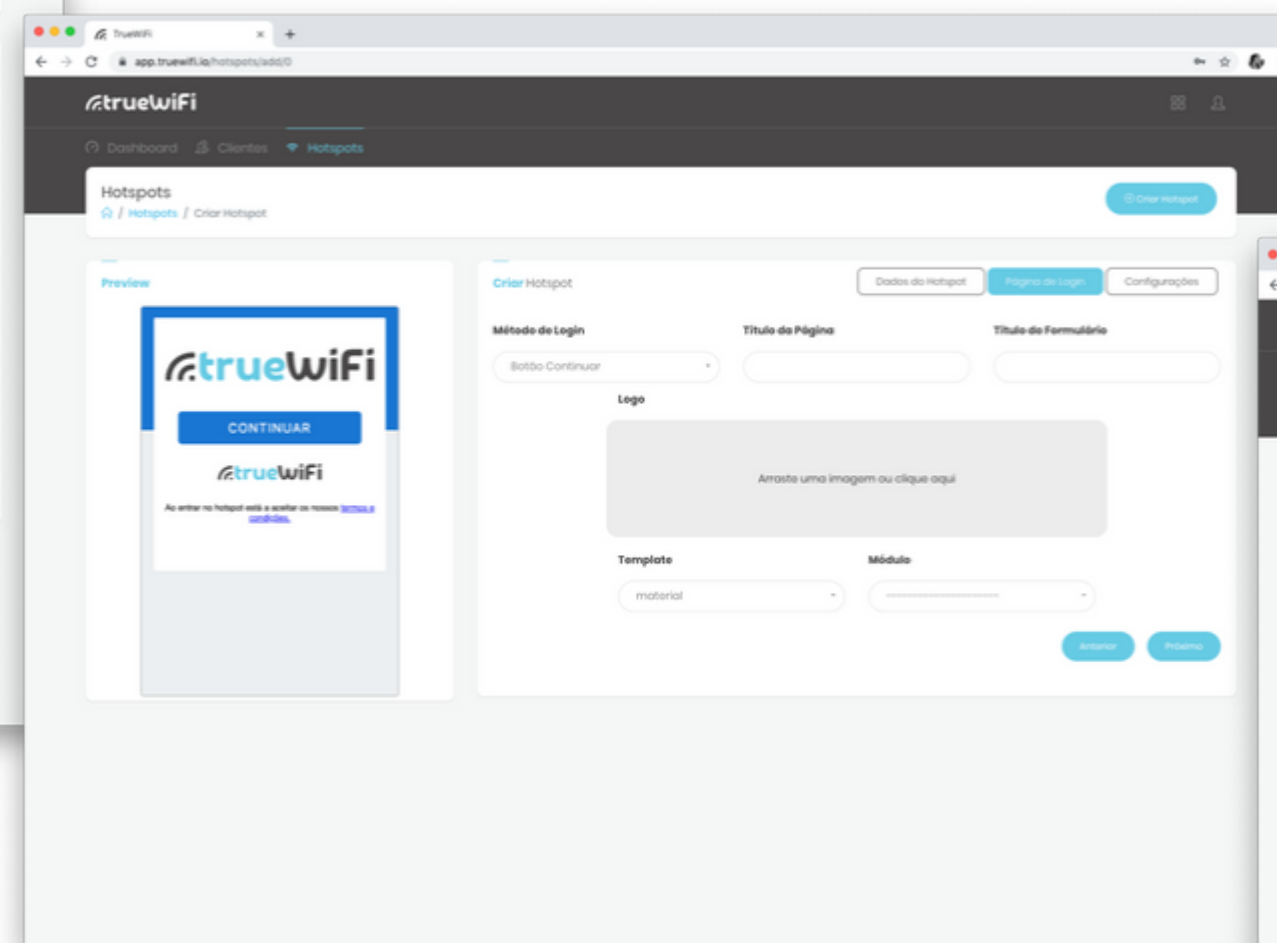
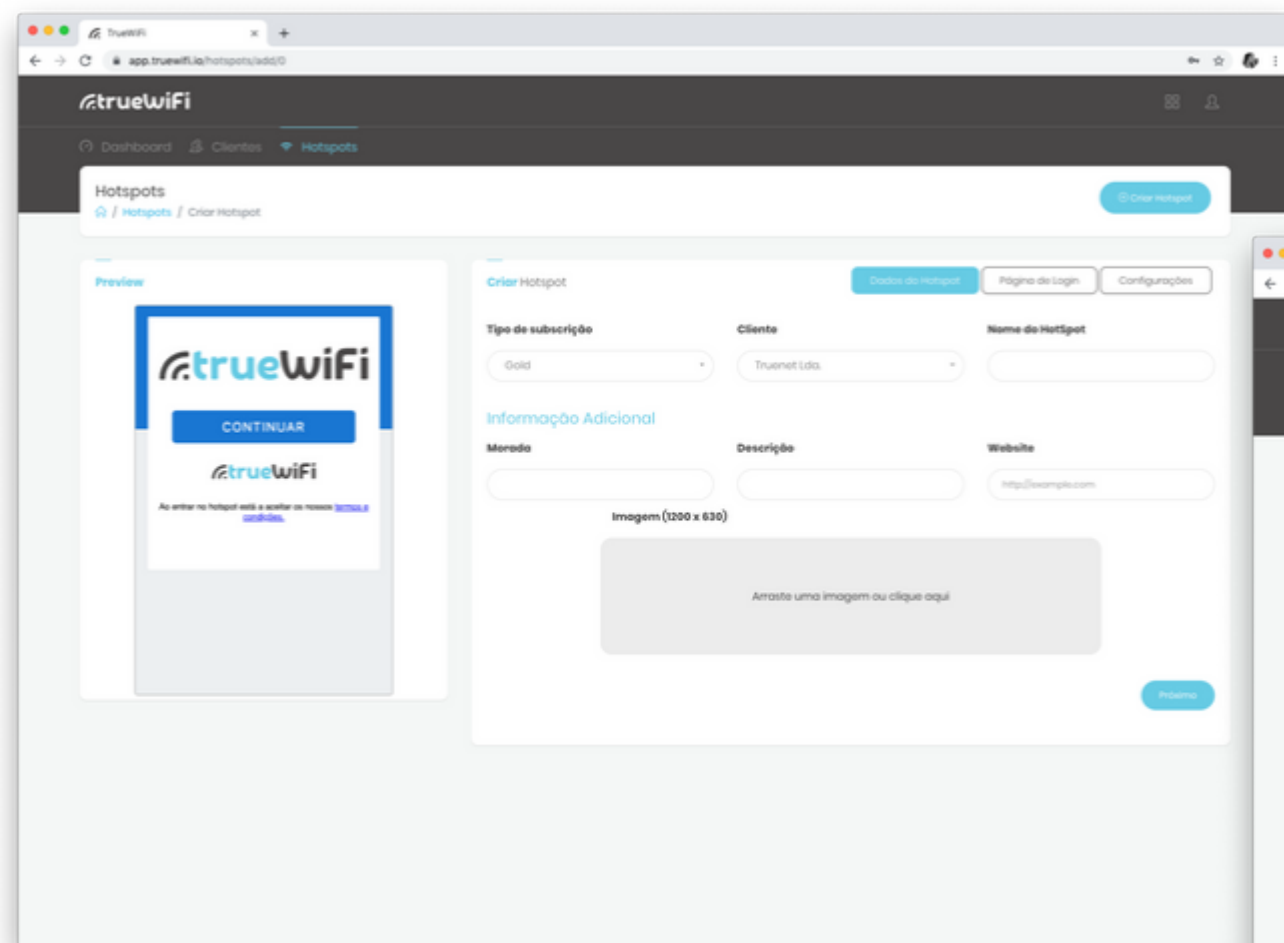
HOTSPOT





RADIUS

criação e configuração de hotspots



criação de contas cliente

The screenshot displays the TrueWiFi web application interface for adding a new client. The browser address bar shows the URL `app.truewifi.io/clientes/add`. The page header includes the TrueWiFi logo and navigation links for Dashboard, Clientes, and Hotspots. The main content area is titled 'Clientes' and features a 'Criar' button. Below this, the 'Adicione um Cliente' form is presented with the following fields:

Revendedor Truonet	Nome O seu negócio
Email o_seu_negocio@email.pt	Nº Telemóvel +35191000000
Nº Contribuinte 000000000	Morada

At the bottom of the form, there is a checkbox labeled 'Este cliente recebe emails' which is checked, and a 'Criar' button.

GESTÃO DE HOTSPOTS

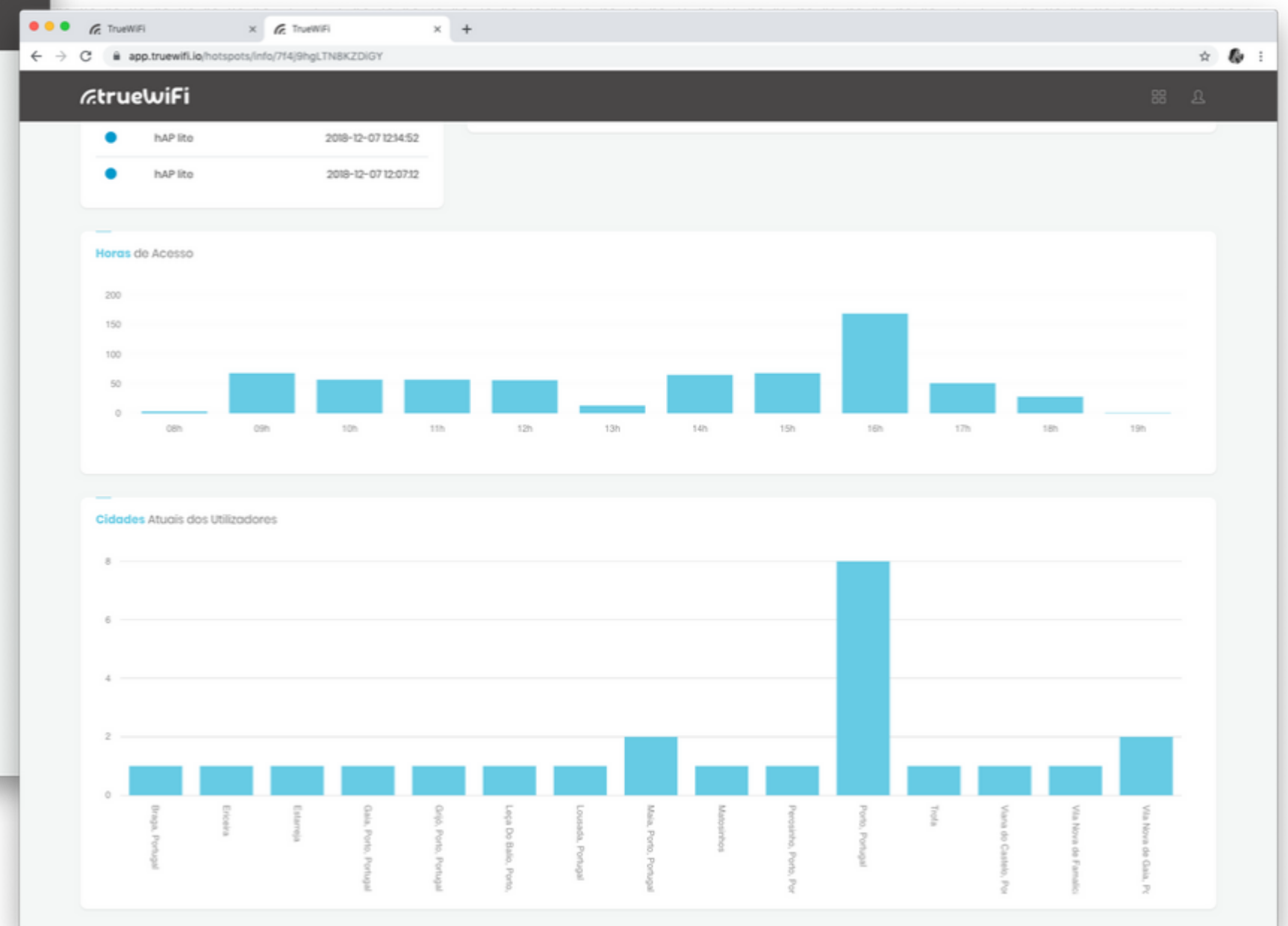
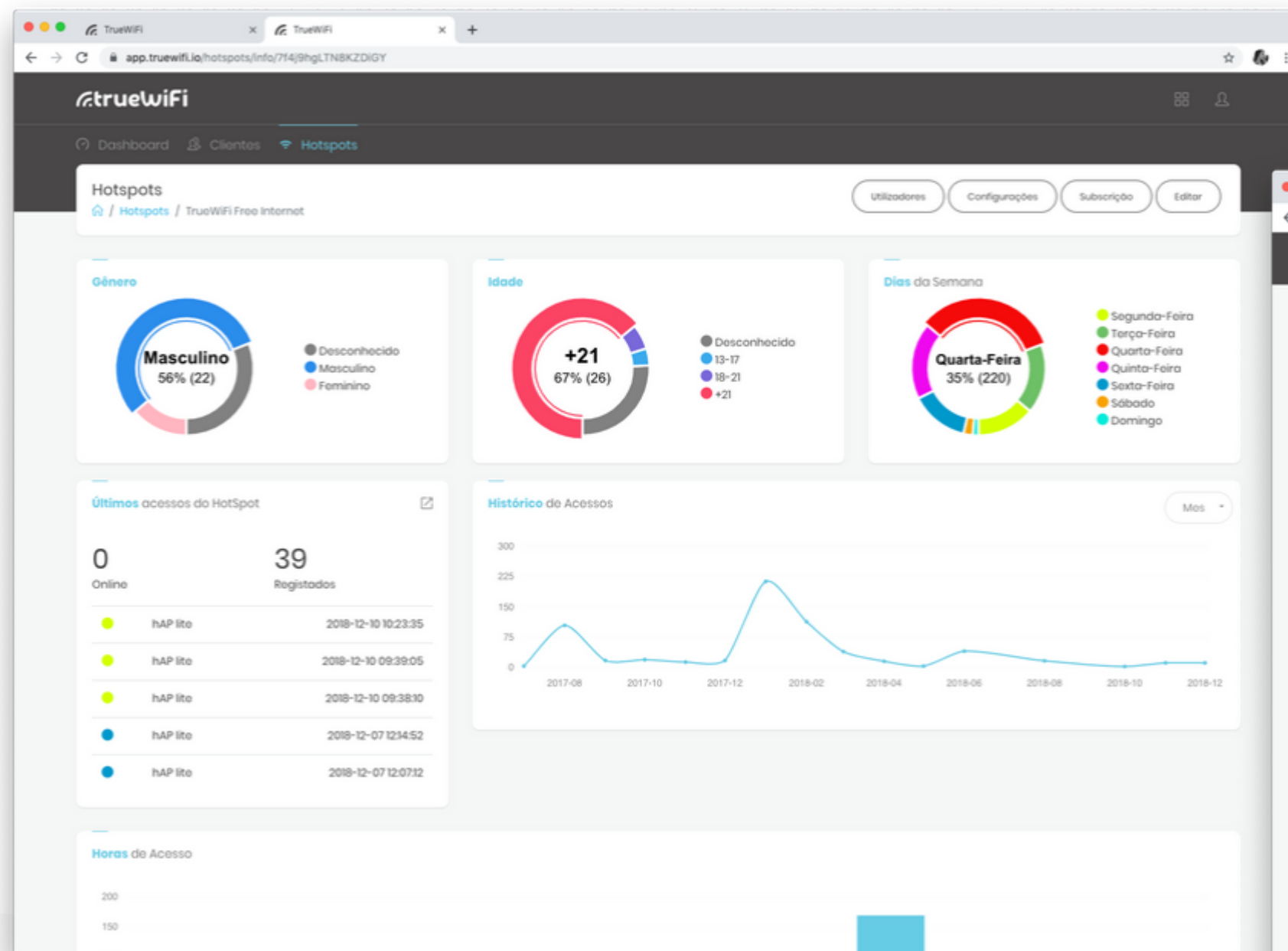
The screenshot displays the TrueWiFi management interface for hotspots. The browser address bar shows 'app.truewifi.io/hotspots'. The navigation menu includes 'Dashboard', 'Clientes', and 'Hotspots'. A 'Criar Hotspot' button is visible in the top right. The main content area features a table with 10 records, columns for 'Nome', 'Clientes', 'Revendedor', 'Template', and 'Ativo', and a search bar. The table lists various hotspots such as 'TrueWiFi Free Internet', 'Truenet Guest', and 'Fóira do Empreendedor'.

Nome	Clientes	Revendedor	Template	Ativo
TrueWiFi Free Internet	Truenet Lda.	Truenet	Custom Material	<input checked="" type="checkbox"/>
Truenet Guest	Truenet Lda.	Truenet	material	<input checked="" type="checkbox"/>
Fóira do Empreendedor	Truenet Lda.	Truenet	Custom Material	<input type="checkbox"/>
Toarias	Truenet Lda.	Truenet	Custom Material	<input checked="" type="checkbox"/>
BNI Norte Litoral	Truenet Lda.	Truenet	material	<input checked="" type="checkbox"/>
Story Box	StoryBox	APConsulting	material	<input checked="" type="checkbox"/>
Maria Lourenço Cabeleiros	StoryBox	APConsulting	material	<input checked="" type="checkbox"/>
Hairfusion Lisboa	StoryBox	APConsulting	material	<input checked="" type="checkbox"/>
Slash Creative Hair Studio	Slash	ST Solutions	Custom Material	<input type="checkbox"/>
Sara Costa - Cabelos, Estética e Make-Up	Sara Costa Cabeleiro	APConsulting	Custom Material	<input type="checkbox"/>

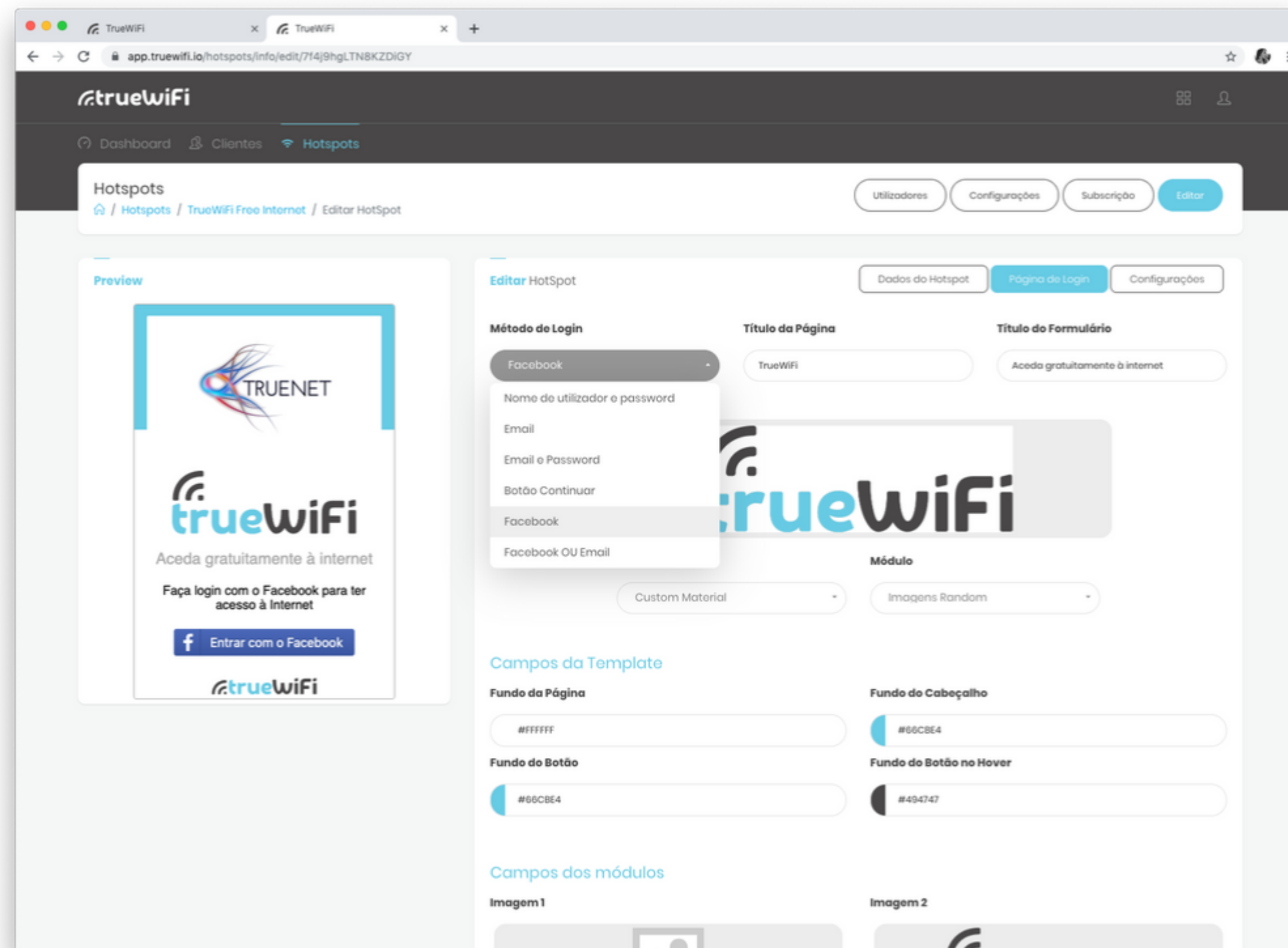
1 a 10 de 29 registos

1 2 3 PRÓXIMO

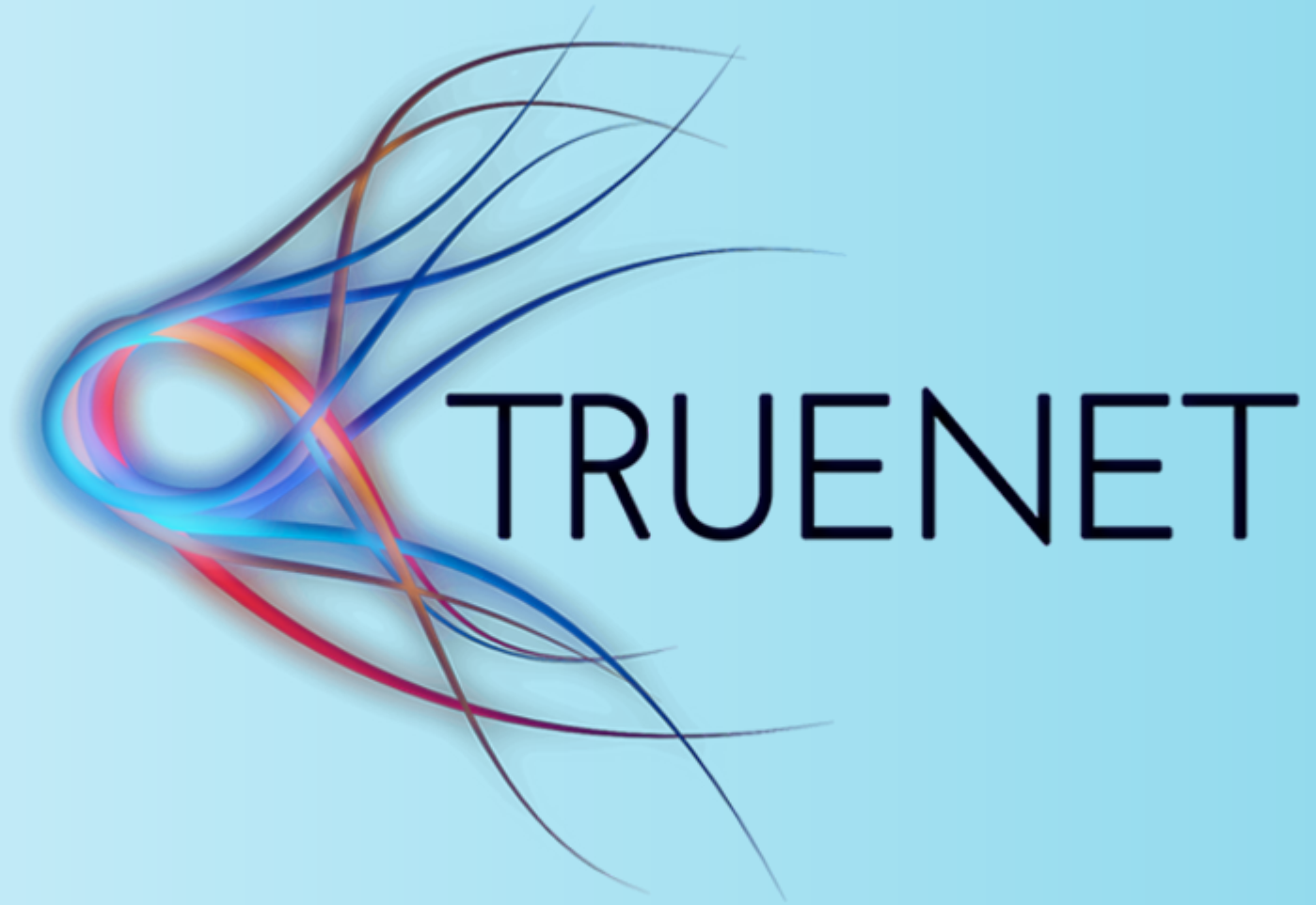
VISUALIZAÇÃO DE ESTATÍSTICAS EM TEMPO REAL



VÁRIOS MÉTODOS DE LOGIN



mum



TRUENET

WE MAKE IT
HAPPEN