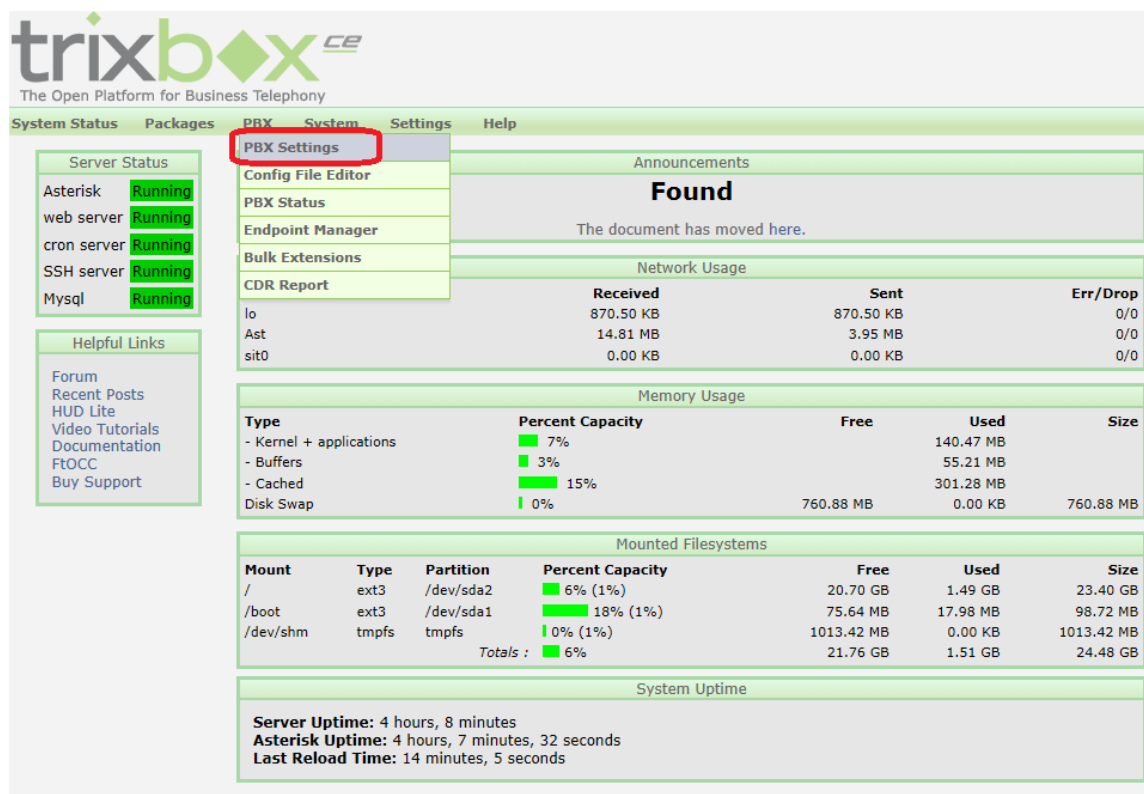


Asterisk Trixbox - Jak jej nakonfigurovat s 2N® Helios IP

2N® Helios IP může být propojen s Asterisk Trixbox, který pro práci využívá SIP protokol. 2N® Helios IP funguje jako SIP uživatel a může streamovat video do IP telefonu. Díky plné kompatibilitě dveřního systému s telefonním systémem není požadováno žádné doplňující zařízení.

1. Jako první krok nakonfigurujte nového klienta v Asterisk IP PBX. Následujte kroky z (Pic. 1-6). Na (Pic. 1) jděte do sekce "PBX" -> "PBX settings"

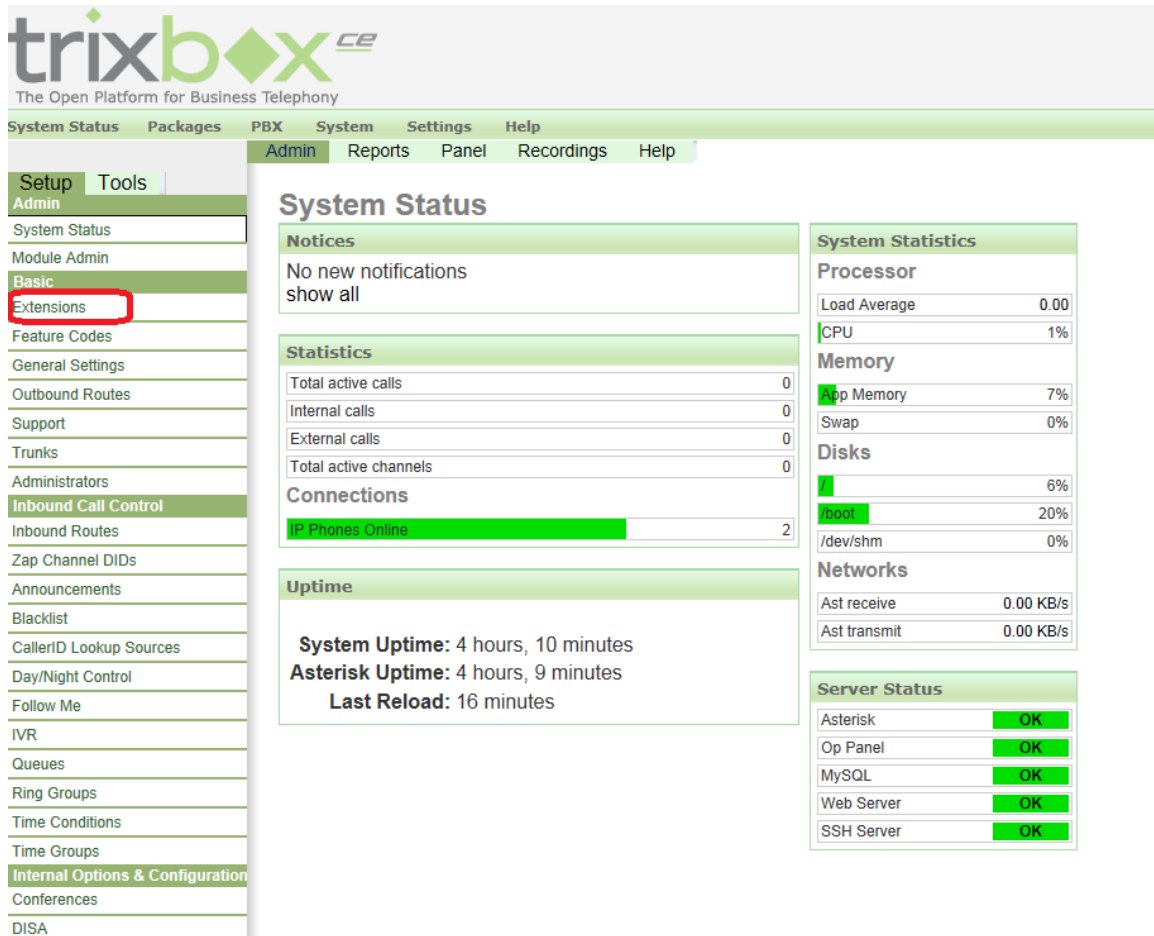


The screenshot shows the Asterisk Trixbox CE web interface. The 'PBX Settings' menu item is highlighted with a red box. The interface displays various system status metrics:

- Server Status:** Asterisk, web server, cron server, SSH server, and Mysql are all running.
- Network Usage:** A table showing Received, Sent, and Err/Drop data for interfaces lo, Ast, and sit0.
- Memory Usage:** A table showing Percent Capacity, Free, Used, and Size for different memory types.
- Mounted Filesystems:** A table showing Mount, Type, Partition, Percent Capacity, Free, Used, and Size for various filesystems.
- System Uptime:** Server Uptime: 4 hours, 8 minutes; Asterisk Uptime: 4 hours, 7 minutes, 32 seconds; Last Reload Time: 14 minutes, 5 seconds.

Pic.1

2. Poté jděte do záložky "Admin" a sekce "Extensions" (Pic. 2)



trixborg^{CE}
The Open Platform for Business Telephony

System Status Packages PBX System Settings Help

Admin Reports Panel Recordings Help

Setup Tools

Admin

- System Status
- Module Admin
- Basic
- Extensions**
- Feature Codes
- General Settings
- Outbound Routes
- Support
- Trunks
- Administrators
- Inbound Call Control
- Inbound Routes
- Zap Channel DIDs
- Announcements
- Blacklist
- CallerID Lookup Sources
- Day/Night Control
- Follow Me
- IVR
- Queues
- Ring Groups
- Time Conditions
- Time Groups
- Internal Options & Configuration
- Conferences
- DISA

System Status

Notices
No new notifications
show all

Statistics

Total active calls	0
Internal calls	0
External calls	0
Total active channels	0

Connections

IP Phones Online	2
------------------	---

Optime

System Uptime: 4 hours, 10 minutes
Asterisk Uptime: 4 hours, 9 minutes
Last Reload: 16 minutes

System Statistics

Processor

Load Average	0.00
CPU	1%

Memory

App Memory	7%
Swap	0%

Disks

/boot	6%
/dev/shm	20%
/dev/shm	0%

Networks

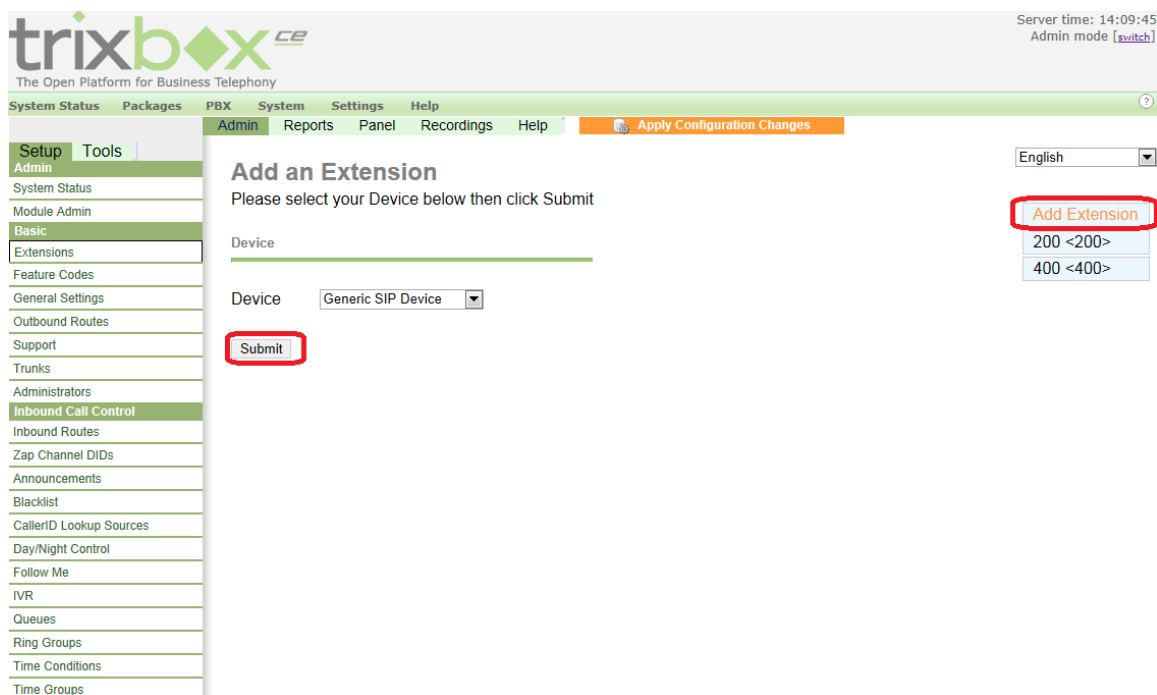
Ast receive	0.00 KB/s
Ast transmit	0.00 KB/s

Server Status

Asterisk	OK
Op Panel	OK
MySQL	OK
Web Server	OK
SSH Server	OK

Pic. 2

3. Na pravé straně zvolte "Add Extension" a potvrďte "Submit" (Pic. 3).



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System Status Packages PBX System Settings Help

Admin Reports Panel Recordings Help Apply Configuration Changes

Server time: 14:09:45
Admin mode [switch]

English

Add an Extension

Please select your Device below then click Submit

Device

Device Generic SIP Device

Submit

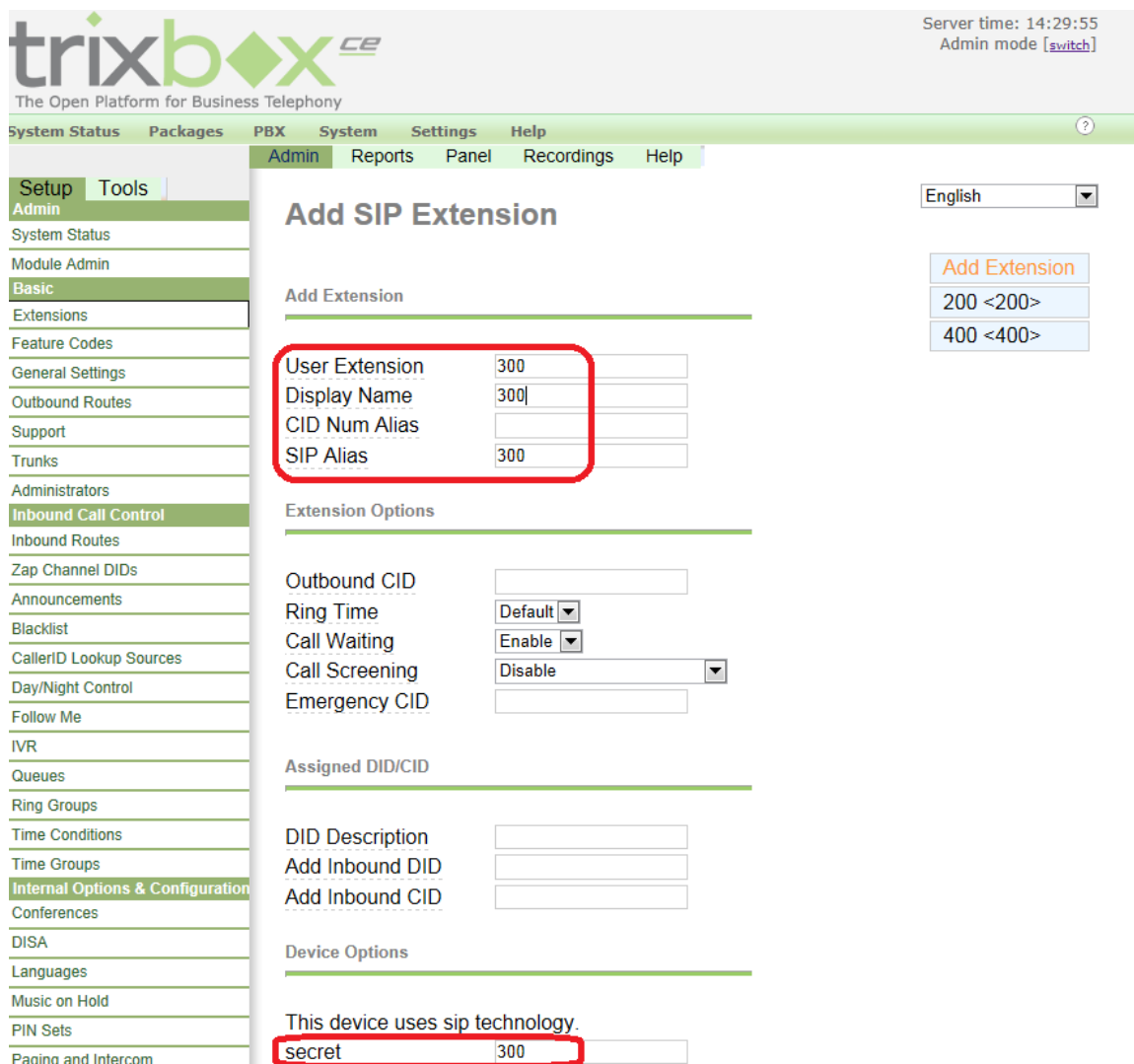
Add Extension

200 <200>

400 <400>

Pic. 3

4. Až budete mít vytvořeného uživatele, musíte vyplnit "User Extension", "Display Name" a "Secret" (Autentifikační heslo) (Pic. 4).



Server time: 14:29:55
Admin mode [\[switch\]](#)

System Status Packages PBX System Settings Help

Admin Reports Panel Recordings Help

Setup Tools

Admin

System Status

Module Admin

Basic

Extensions

Feature Codes

General Settings

Outbound Routes

Support

Trunks

Administrators

Inbound Call Control

Inbound Routes

Zap Channel DIDs

Announcements

Blacklist

CallerID Lookup Sources

Day/Night Control

Follow Me

IVR

Queues

Ring Groups

Time Conditions

Time Groups

Internal Options & Configuration

Conferences

DISA

Languages

Music on Hold

PIN Sets

Paging and Intercom

English

Add SIP Extension

Add Extension

User Extension

Display Name

CID Num Alias

SIP Alias

[Add Extension](#)

Extension Options

Outbound CID

Ring Time

Call Waiting

Call Screening

Emergency CID

Assigned DID/CID

DID Description

Add Inbound DID

Add Inbound CID

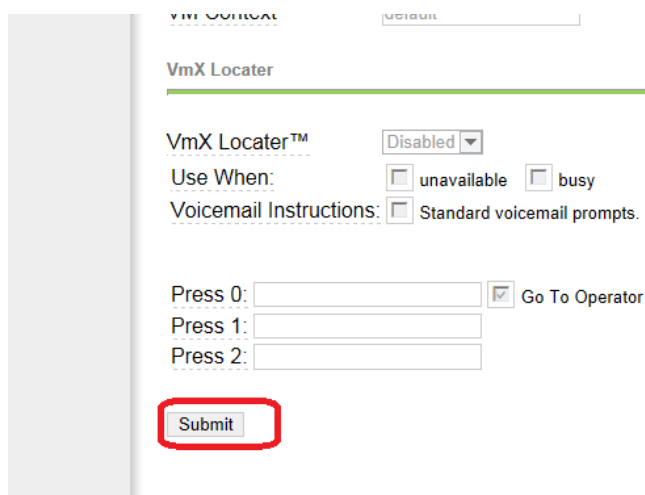
Device Options

This device uses sip technology.

secret

Pic. 4

5. Poté potvrďte tlačítkem, které naleznete úplně dole na stránce- "Submit" (Pic. 5) a nahoře na stránce "Apply Configuration changes" (Pic. 6)



VmX Locator

VmX Locator™

Use When: unavailable busy

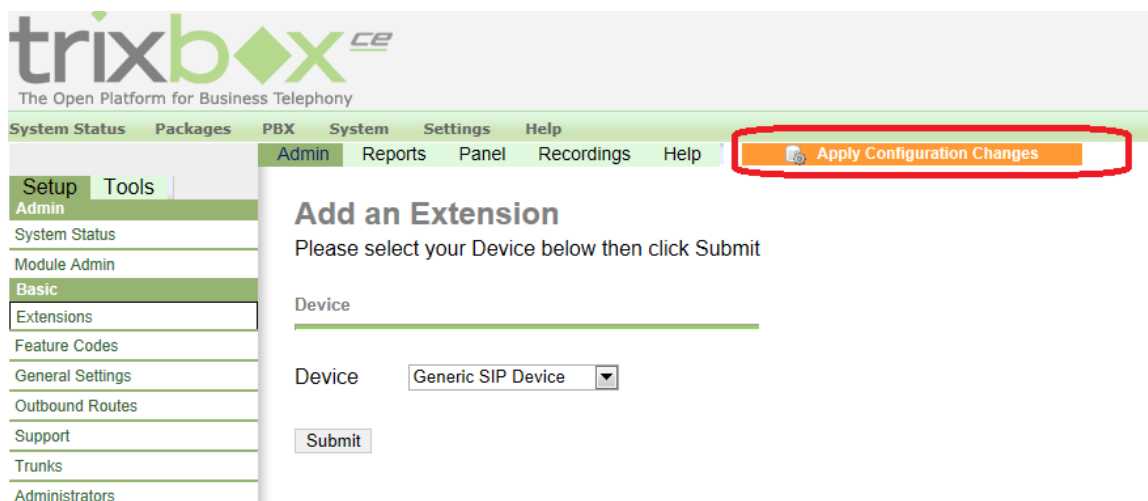
Voicemail Instructions: Standard voicemail prompts.

Press 0: Go To Operator

Press 1:

Press 2:

Pic. 5



trix**b**ox^{CE}
The Open Platform for Business Telephony

System Status Packages PBX System Settings Help

Admin Reports Panel Recordings Help

Setup Tools

Admin

System Status

Module Admin

Basic

Extensions

Feature Codes

General Settings

Outbound Routes

Support

Trunks

Administrators

Add an Extension

Please select your Device below then click Submit

Device

Device

Pic. 6

6. Nyní je čas konfigurovat stranu Helios IP. Jak můžete vidět na (Pic. 7), je třeba vstoupit do sekce "Advanced Settings" -> "SIP Settings", zde vyplňte "User ID" (klient se musí shodovat se stranou Asterisk), dále vyplňte "Domain", "AuthID", "Password" ("Secret"), "Proxy Address".



The screenshot shows the Helios SIP settings interface. The top header includes the Helios SIP logo, a user ID of 300, and language options for CZ and EN. A left sidebar contains a menu with categories: Information, Basic Settings, Advanced Settings (highlighted with a red box), Card reader, Tools, and Logout. Under Advanced Settings, the SIP Settings option is also highlighted with a red box. The main content area is titled 'SIP Settings' and is divided into three sections: 'User settings', 'SIP proxy settings', and 'SIP registration'. The 'User settings' section includes fields for Display name (300), User ID (300, highlighted with a red box), Domain (192.168.50.95), Use auth ID (Yes), Auth ID (300), and Password (masked with dots, highlighted with a red box). The 'SIP proxy settings' section includes Proxy address (192.168.50.95) and Proxy port (5060). The 'SIP registration' section includes Enable registration (Yes), Registration expires (120 s), Registrar address (192.168.50.95), and Registrar port (5060). A fourth section, 'Other settings', includes Local SIP port (5060), Send keepalive packets (Yes), Starting RTP port (5000), and RTP Timeout (60 s).

Jak konfigurovat 2N[®] Helios IP intercom – FW verze 2.6 a vyšší

300 CZ | EN Logout

SIP **Calls** Audio Video

Intercom Identity ▾

Display Name	300
Phone Number (ID)	300
Domain	192.168.50.95

Authentication ▾


Use Authentication ID	<input checked="" type="checkbox"/>
Authentication ID	300
Password	*****

SIP Proxy ▾

Proxy Address	192.168.50.95
Proxy Port	5060

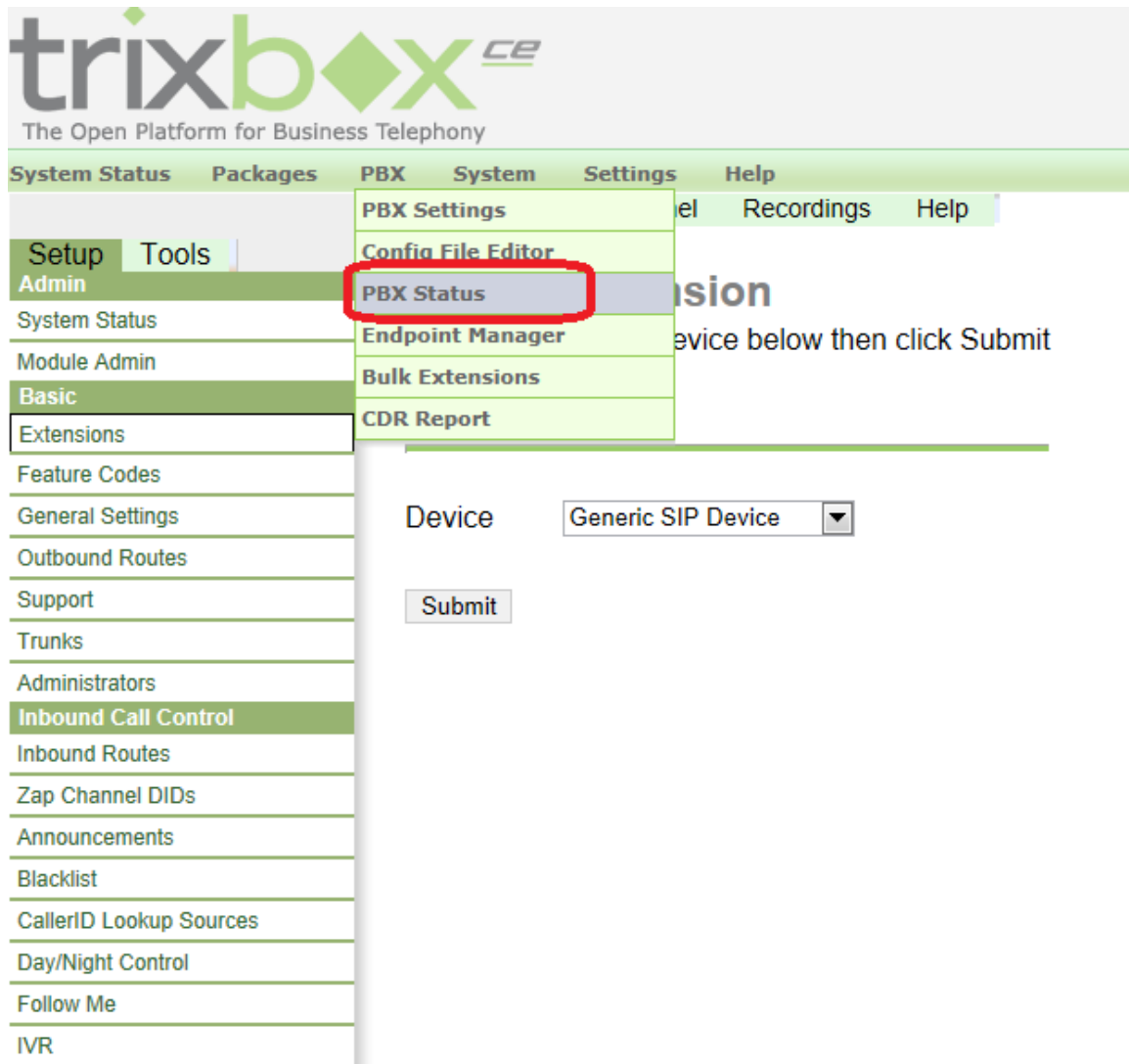
SIP Registrar ▾

Registration Enabled	<input checked="" type="checkbox"/>
Registrar Address	192.168.50.95
Registrar Port	5060
Registration Expires	120 [s]

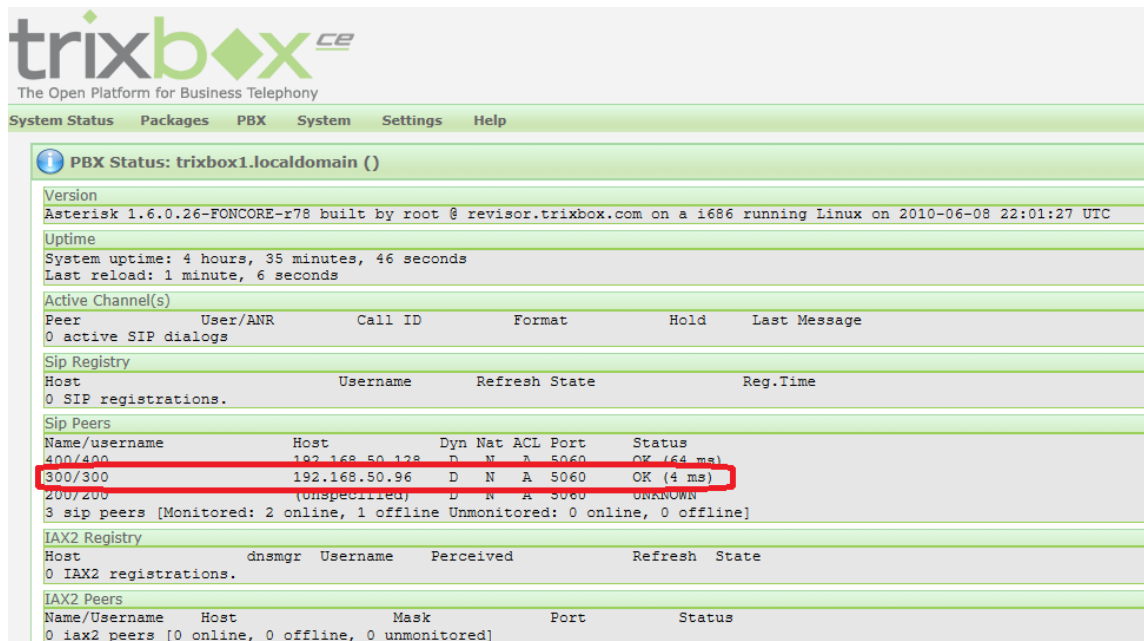


Pic. 7

7. Nyní je hotovo. Pro kontrolu, zda byla registrace úspěšná, ověřte vše v Asterisk IP v sekci "PBX" -> "PBX status" (Pic. 8), (Pic. 9).



Pic. 8



trixbox CE
The Open Platform for Business Telephony

System Status Packages PBX System Settings Help

PBX Status: trixbox1.localdomain ()

Version
Asterisk 1.6.0.26-FONCORE-r78 built by root @ revisor.trixbox.com on a i686 running Linux on 2010-06-08 22:01:27 UTC

Uptime
System uptime: 4 hours, 35 minutes, 46 seconds
Last reload: 1 minute, 6 seconds

Active Channel(s)

Peer	User/ANR	Call ID	Format	Hold	Last Message
0 active SIP dialogs					

SIP Registry

Host	Username	Refresh State	Reg.Time
0 SIP registrations.			

SIP Peers

Name/username	Host	Dyn	Nat	ACL	Port	Status
400/400	192.168.50.128	D	N	A	5060	OK (64 ms)
300/300	192.168.50.96	D	N	A	5060	OK (4 ms)
200/200	(unspecified)	D	N	A	5060	UNKNOWN

3 sip peers [Monitored: 2 online, 1 offline Unmonitored: 0 online, 0 offline]

IAX2 Registry

Host	dnsmgr	Username	Perceived	Refresh State
0 IAX2 registrations.				

IAX2 Peers

Name/Username	Host	Mask	Port	Status
0 iax2 peers [0 online, 0 offline, 0 unmonitored]				

Pic. 9

8. Úspěšnost můžete zkontrolovat i ze strany Helios IP v záložce "Information".



Helios IP

300

CZ EN

2N TELECOMMUNICATIONS

Information

Basic Settings

Advanced Settings

Card reader

Tools

Logout ⓘ

Product name: 2N Helios IP Force

Software version: 1.16.1.309.15

Bootloader version: 1.4.0.6.0

Hardware version: 555v2

Number of buttons: 1

Serial number: 54-0473-0539

MAC address: 7C-1E-B3-00-65-7A

Up time: 0d 0h 47m 52s

DHCP status: Off

IP address: 192.168.50.96

Net mask: 255.255.255.0

Default gateway: 192.168.50.1

Primary DNS: 208.67.222.222

Secondary DNS:

Ethernet frames transmitted: 2607

Ethernet frames received: 26001

Ethernet frames dropped: 0

UDP packets transmitted: 253

UDP packets received: 515

UDP packets dropped: 0

TCP packets transmitted: 1956

TCP packets received: 1878

TCP packets dropped: 3

Registration state: Registered

Registration at: 192.168.50.95

Registration time: 2012-11-20 10:25:07

Call state: Inactive

Opponent: N/A

Call duration: 0 s

Audio codec: N/A

Video codec: N/A

Pic. 10



Pro verze FW 2.6 a vyšší jděte do sekce Stav-Služby-Stav telefonu

Další informace:

Dveřní & Bezpečnostní interkomy (oficiální stránky 2N)