

# 安装 Elastix\_1.6.0\_OpenVox\_A800\_A1200p

## 1 登录 Elastix 管理页面

打开浏览器输入你的 PBX 的 IP 地址，然后输入你的用户名：admin，密码：palosanto；然后单击如图所示的 Submit 按钮。



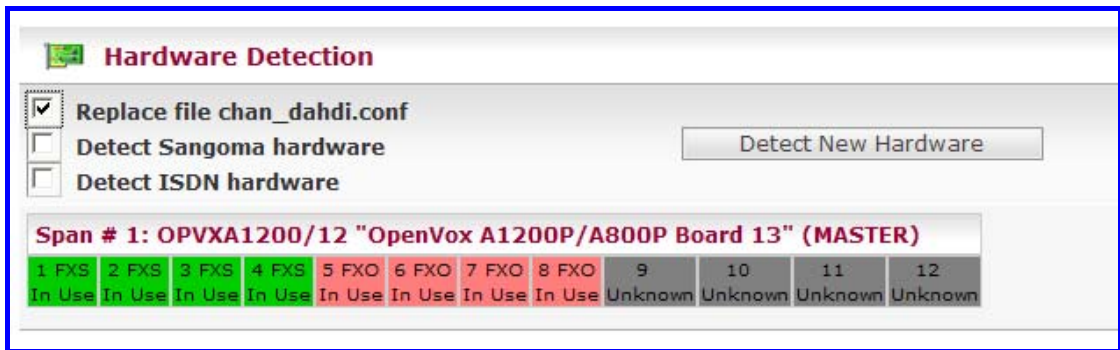
The image shows a login form for Elastix. At the top, there is a red header with the text "» Welcome to Elastix". Below this, a grey box contains the instruction "Please enter your username and password". There are two input fields: "Username:" with the value "admin" and "Password:" with a masked password of ten dots. A "Submit" button is located below the password field. At the bottom of the form, there is a copyright notice: "Copyright © 2006 by [PaloSanto Solutions](#)".

## 2 硬件检测

1) 点击下图里的 Hardware Detection 按钮



- 2) 点击选择“Replace file chan\_dahdi.conf”。然后再点击下图里的 Detect New Hardware 按钮。



- 3) 如果你通过界面自动检测硬件之后，还是看不到通道，请用下面命令：

```
[root@elastix ~]# dahdi_genconf
```

```
[root@elastix ~]# dahdi_cfg -vv
```

- 4) 重启系统

### 3 添加 extension, 实现内部分机互打

增加两个分机，然后再将两部电话接入到 FXS 模块接口， 然后两部电话能够相互呼叫。

- 1) 点击下图所示的 PBX 按钮：

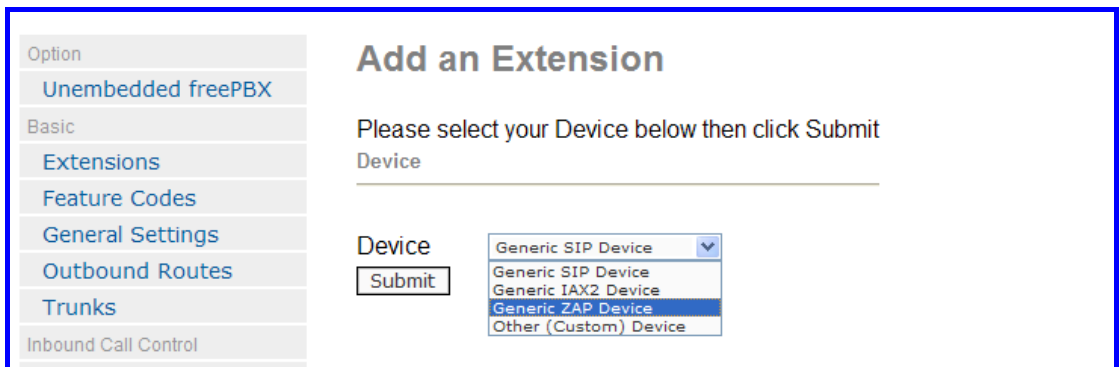


2) 点击选择下图所示 Extensions 选项:



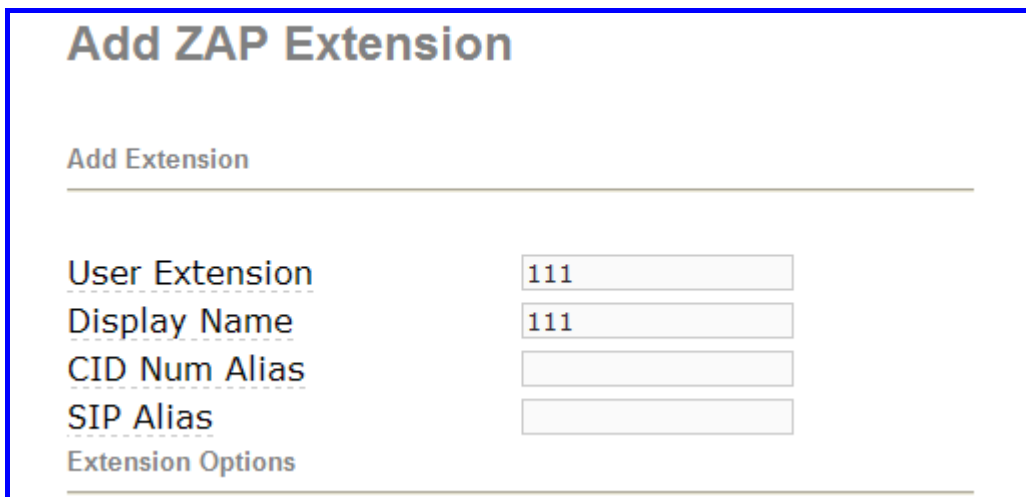
The screenshot shows the 'Add an Extension' page. On the left is a sidebar with a menu: Option, Unembedded freePBX, Basic, Extensions (highlighted), Feature Codes, General Settings, Outbound Routes, and Trunks. The main content area has the title 'Add an Extension' and the instruction 'Please select your Device below then click Submit'. Below this is a 'Device' label and a dropdown menu currently showing 'Generic SIP Device'. A 'Submit' button is located below the dropdown.

3) 从下拉选项表中, 选择 **Generic Zap Device**, 因为我们要设立 zap 分机, 然后点击 **submit** 按钮。如图所示:



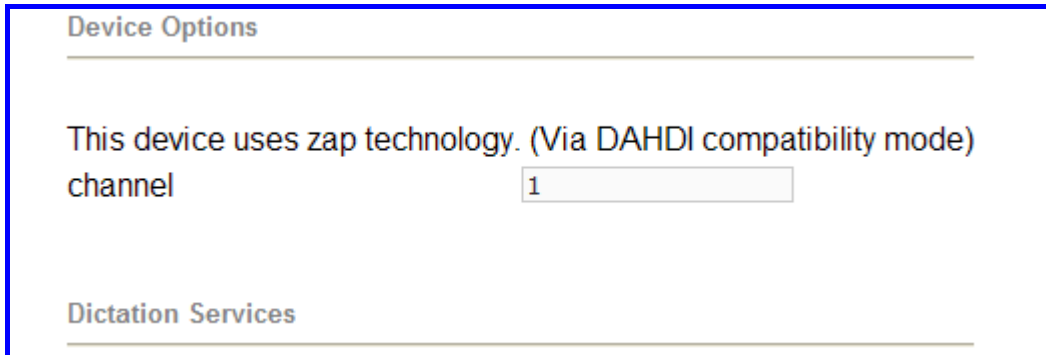
This screenshot is similar to the previous one, but the 'Device' dropdown menu is open, showing a list of options: Generic SIP Device, Generic SIP Device, Generic IAX2 Device, Generic ZAP Device (highlighted), and Other (Custom) Device. The 'Submit' button remains visible below the dropdown.

4) 设置用户分机: 111 (用来接收的分机号码); Display Name: 111, 如下图所示:



The screenshot shows the 'Add ZAP Extension' page. The title is 'Add ZAP Extension'. Below it is a sub-header 'Add Extension'. There are four input fields: 'User Extension' with the value '111', 'Display Name' with the value '111', 'CID Num Alias' (empty), and 'SIP Alias' (empty). Below these fields is a section for 'Extension Options'.

5) 为你的分机指定一个通道号， 如图所示：



Device Options

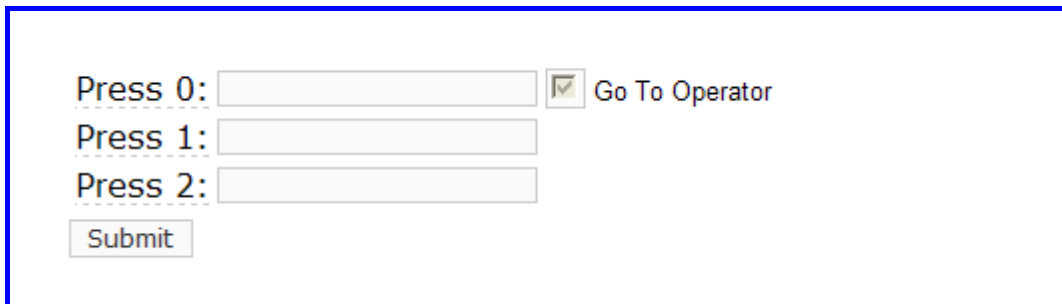
---

This device uses zap technology. (Via DAHDI compatibility mode)  
channel

Dictation Services

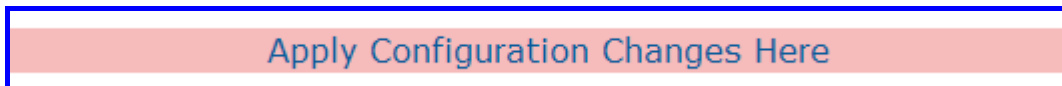
---

6) 点击 submit 按钮。



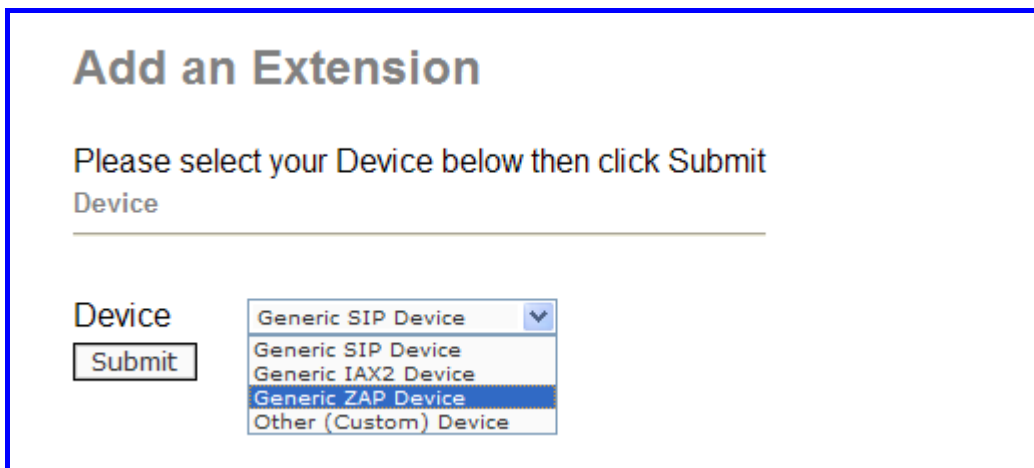
Press 0:   Go To Operator  
Press 1:   
Press 2:

7) 点击屏幕上方的“Apply Configuration Changes Here”栏。



Apply Configuration Changes Here

8) 添加另外一个 extension，从下拉选项表中，选择 Generic Zap Device，因为我们要设立 zap 分机，然后点击 submit 按钮。如图所示：



Add an Extension

Please select your Device below then click Submit

Device

---

Device

- Generic SIP Device
- Generic SIP Device
- Generic IAX2 Device
- Generic ZAP Device
- Other (Custom) Device

- 9) 设置用户分机 User Extension: 222; 显示名称 Display Name: 222 如下图所示:

**Add Extension**

---

User Extension

Display Name

CID Num Alias

SIP Alias

Extension Options

---

- 10) 为你的分机指定一个通道号码, 如下图所示:

**Device Options**

---

This device uses zap technology. (Via DAHDI compatibility mode)  
channel

Dictation Services

---

- 11) 然后点击“submit”按钮。

Press 0:   Go To Operator

Press 1:

Press 2:

- 12) 点击屏幕上方的“Apply Configuration Changes Here”栏。

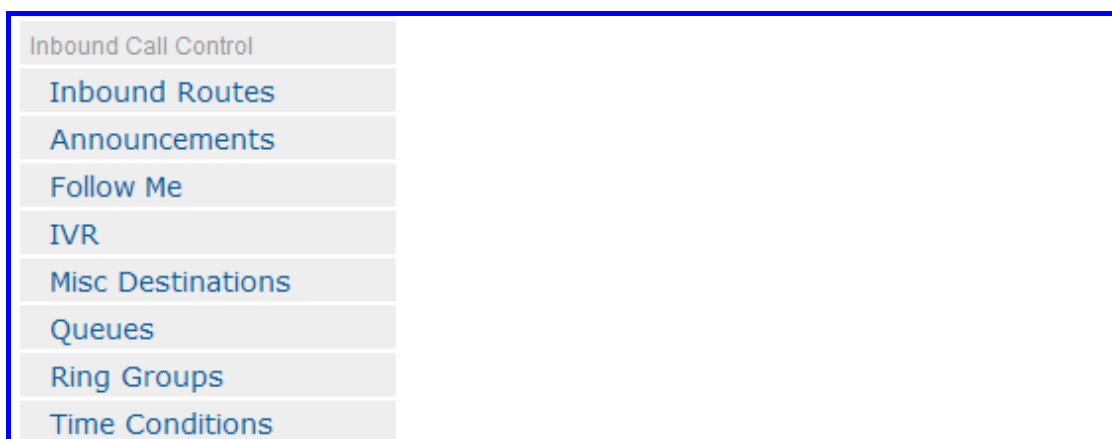
**Apply Configuration Changes Here**

这一步做完了, 我们可以用 111, 222 这两个分机互打了。

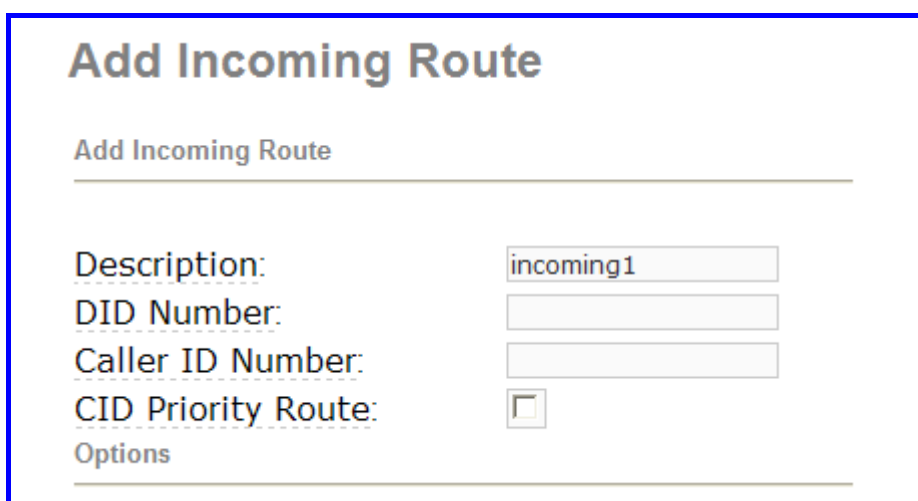
## 4 添加呼入路由

添加一个呼入路由，能够帮助你接收呼入电话。

- 1) 点击“**Inbound Routes**” 栏。

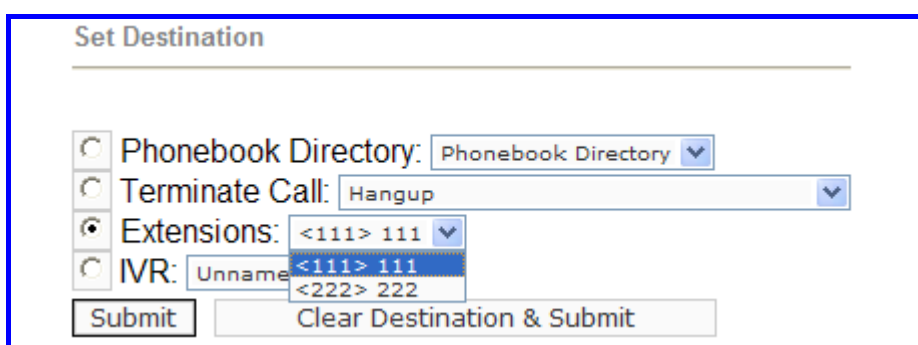


- 2) 在描述栏目里面输入 **incoming1**， 如下图所示：



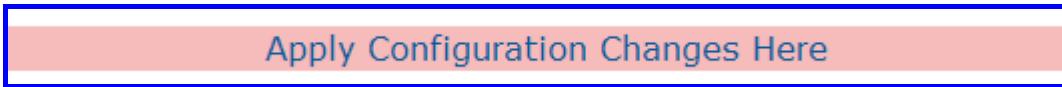
A screenshot of the "Add Incoming Route" form. The title is "Add Incoming Route". Below the title is a horizontal line. The form contains the following fields: "Description:" with the value "incoming1" entered; "DID Number:" with an empty text box; "Caller ID Number:" with an empty text box; "CID Priority Route:" with an unchecked checkbox; and "Options" with a horizontal line below it.

- 3) 点击 **Extensions** 栏，从下拉列表中选择一个应答来电的分机。然后点击提交。如下图所示：



A screenshot of the "Set Destination" form. The title is "Set Destination". Below the title is a horizontal line. The form contains the following fields: "Phonebook Directory:" with a dropdown menu showing "Phonebook Directory"; "Terminate Call:" with a dropdown menu showing "Hangup"; "Extensions:" with a dropdown menu showing "<111> 111"; and "IVR:" with a dropdown menu showing "Unname" and a sub-menu showing "<111> 111" and "<222> 222". At the bottom are two buttons: "Submit" and "Clear Destination & Submit".

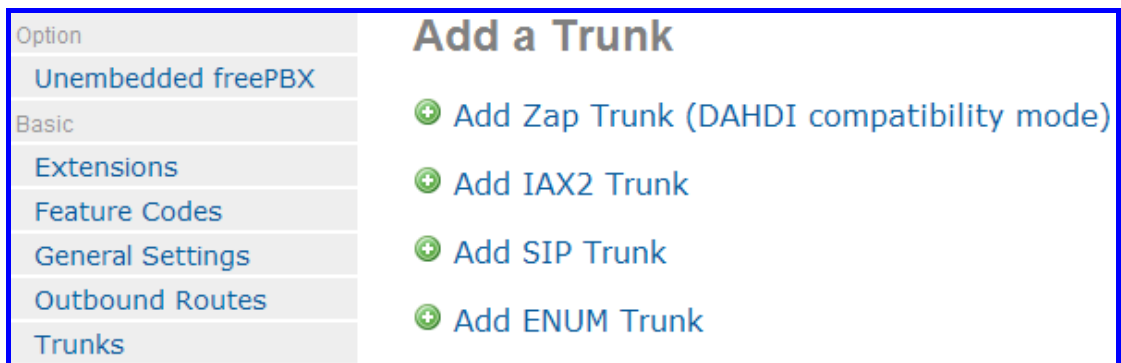
4) 点击屏幕上方的“Apply Configuration Changes Here”栏。



## 5 设置中继

拨打外线需要设立中继。

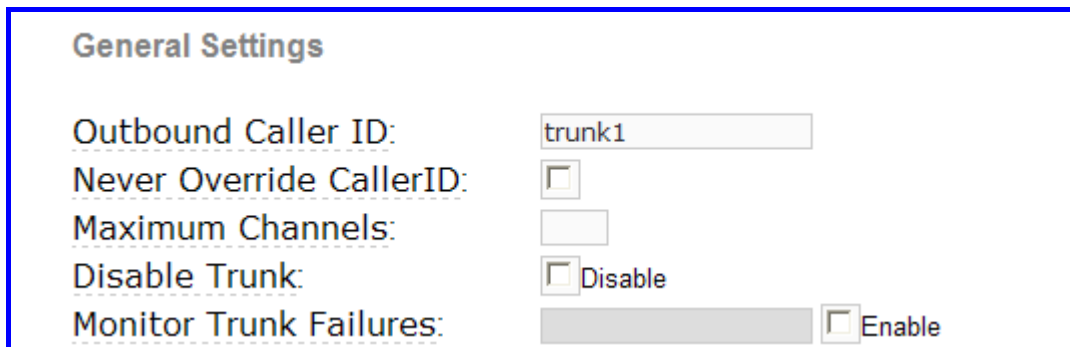
1) 点击 Trunks 栏，如下图所示：



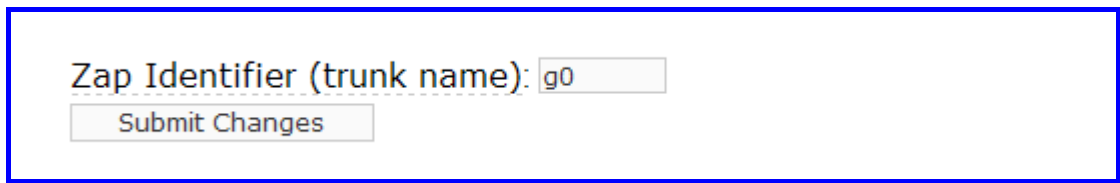
2) 点击页面右上方的 Trunk ZAP/g0 按钮，如下图所示：



3) 在 Outbound Caller ID 文本框内输入 trunk1，如下图所示：



4) 点击下图所示的 Submit Changes 按钮:

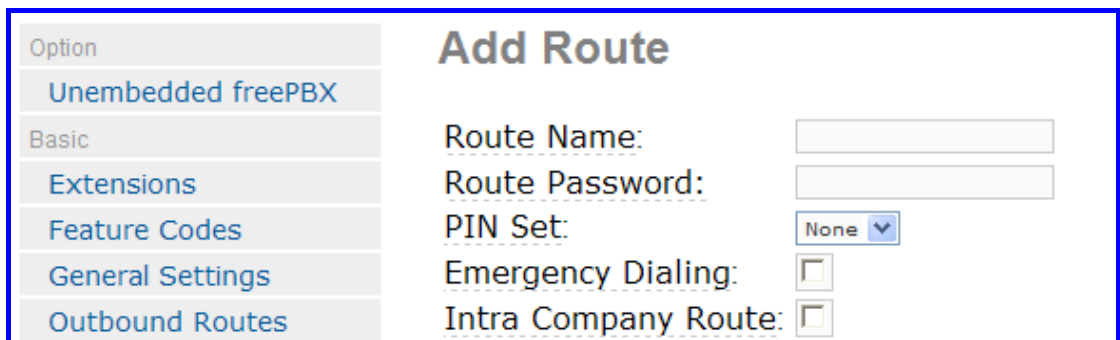


Zap Identifier (trunk name):

## 6 添加呼出路由

通过呼出路由，你能呼叫外线。

1) 点击 Outbound Routes 选项，如下图所示:



Option	Add Route	
<a href="#">Unembedded freePBX</a>		
Basic	Route Name:	<input type="text"/>
<a href="#">Extensions</a>	Route Password:	<input type="text"/>
<a href="#">Feature Codes</a>	PIN Set:	<input type="text" value="None"/>
<a href="#">General Settings</a>	Emergency Dialing:	<input type="checkbox"/>
<a href="#">Outbound Routes</a>	Intra Company Route:	<input type="checkbox"/>



- 2) 点击 09\_outside 栏，在下图中，保持默认设置，如下图所示：然后点击 Save Change 按钮。

**Edit Route**

Delete Route 9\_outside

Add Route

0 9\_outside

Route Name: 9\_outside

Route Password:

PIN Set: None

Emergency Dialing:

Intra Company Route:

Music On Hold?: default

Dial Patterns

9|.

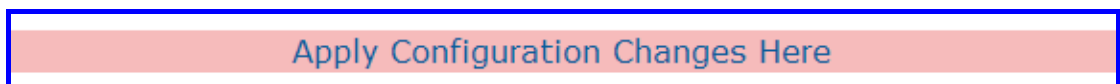
Dial patterns wizards: (pick one)

Trunk Sequence

0 ZAP/g0

在这里 Dial Patterns 用了默认的 9|., 所以我们拨打外线时要加前缀 9。例如：如果你要呼叫 123456，那么你要拨号 9123456。

- 3) 点击 屏幕上方的 “Apply Configuration Changes Here” 栏。



## 7 测试环境

- 1) Elastix 1.6.0
- 2) OpenVox A800/A1200p + 4FXS+4FXO

## 8 参考

[http://www.elastixconnection.com/downloads/elastix\\_without\\_tears.pdf](http://www.elastixconnection.com/downloads/elastix_without_tears.pdf)