

搭建 HTTP 和 HTTPS 服务器

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产品：IP PHONE

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第一章 服务器安装

1.1 下载 Xampp 软件

百度搜索 Xampp



打开官网链接:



选择 XAMPP for windows 最新版本 7.1.4:

Download

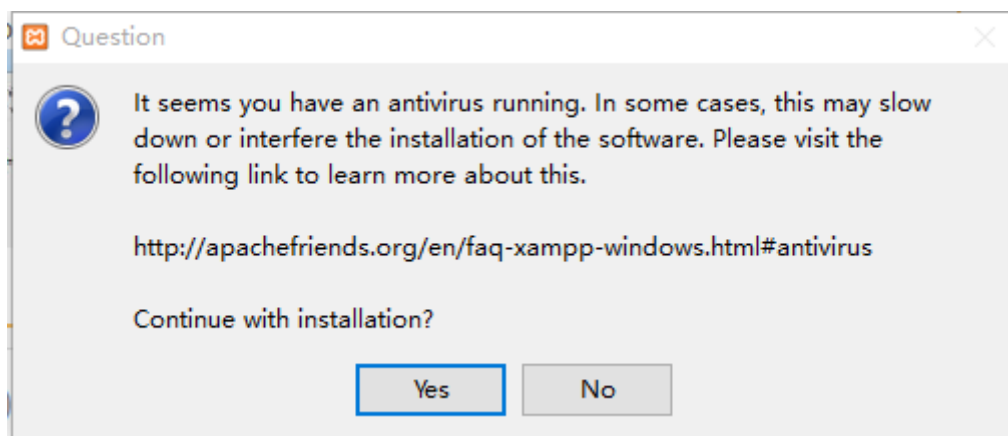
XAMPP is an easy to install Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy.

Version	Checksum	Size
5.6.30 / PHP 5.6.30	What's Included? md5 sha1	Download (32 bit) 110 Mb
7.0.18 / PHP 7.0.18	What's Included? md5 sha1	Download (32 bit) 122 Mb
7.1.4 / PHP 7.1.4	What's Included? md5 sha1	Download (32 bit) 122 Mb

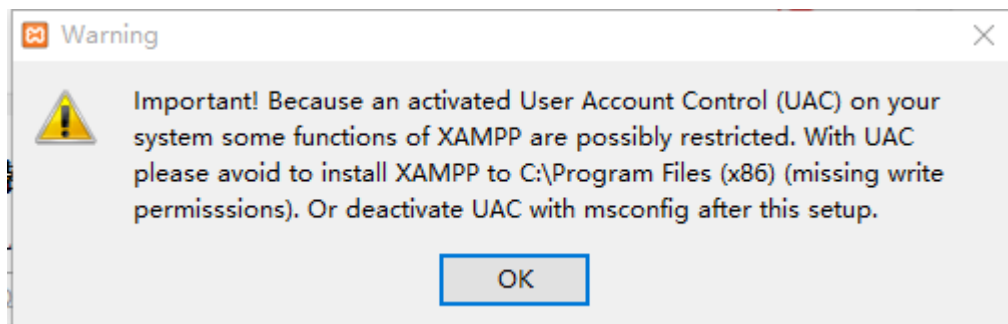
Interested in XAMPP Docker Container?

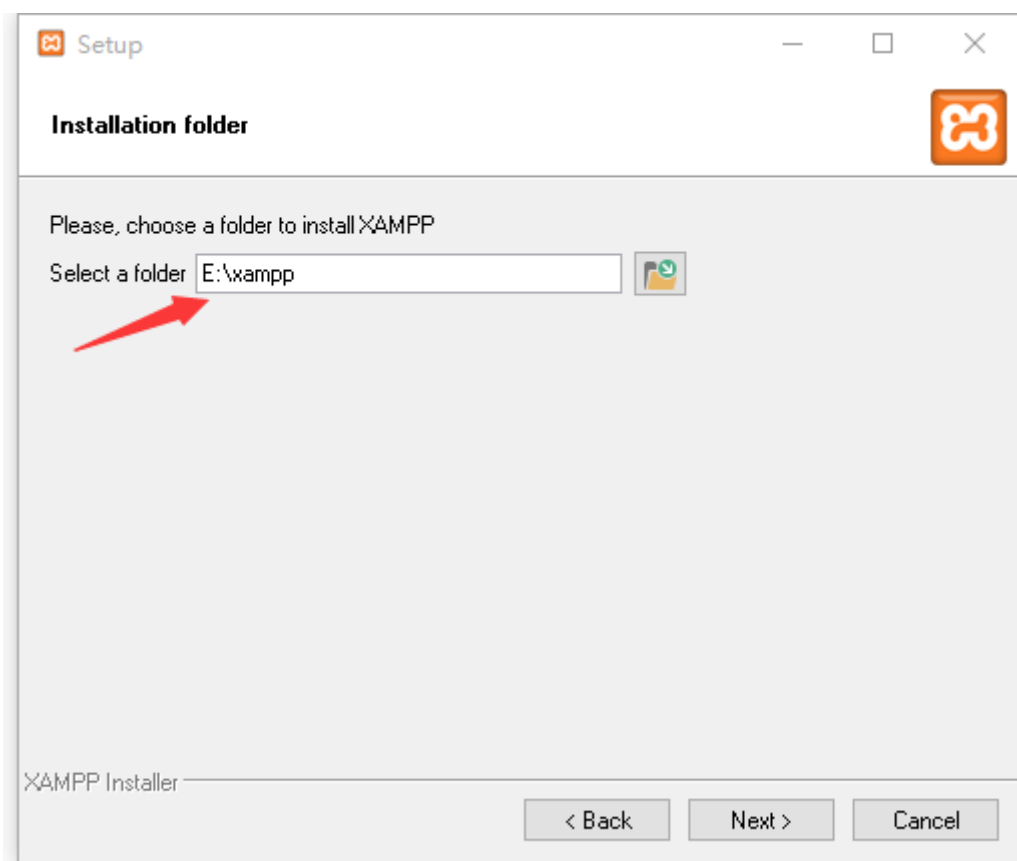
1.2 安装 Xampp 软件

出现如下提示，说有个杀毒软件在运行建议关闭它，忽略。

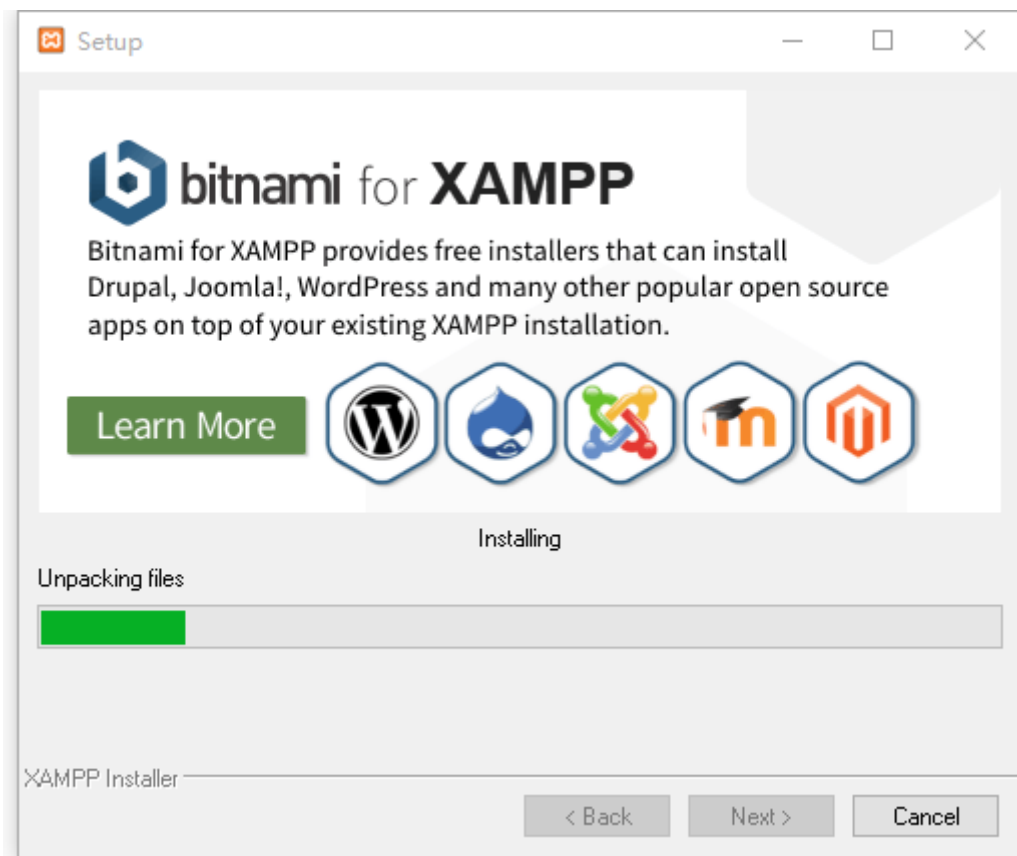


出现如下提示，避免安装在 C 盘，这里选择 E:\xampp

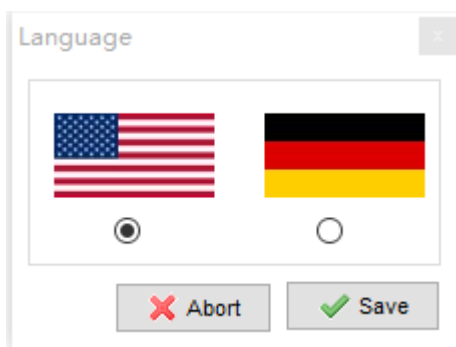




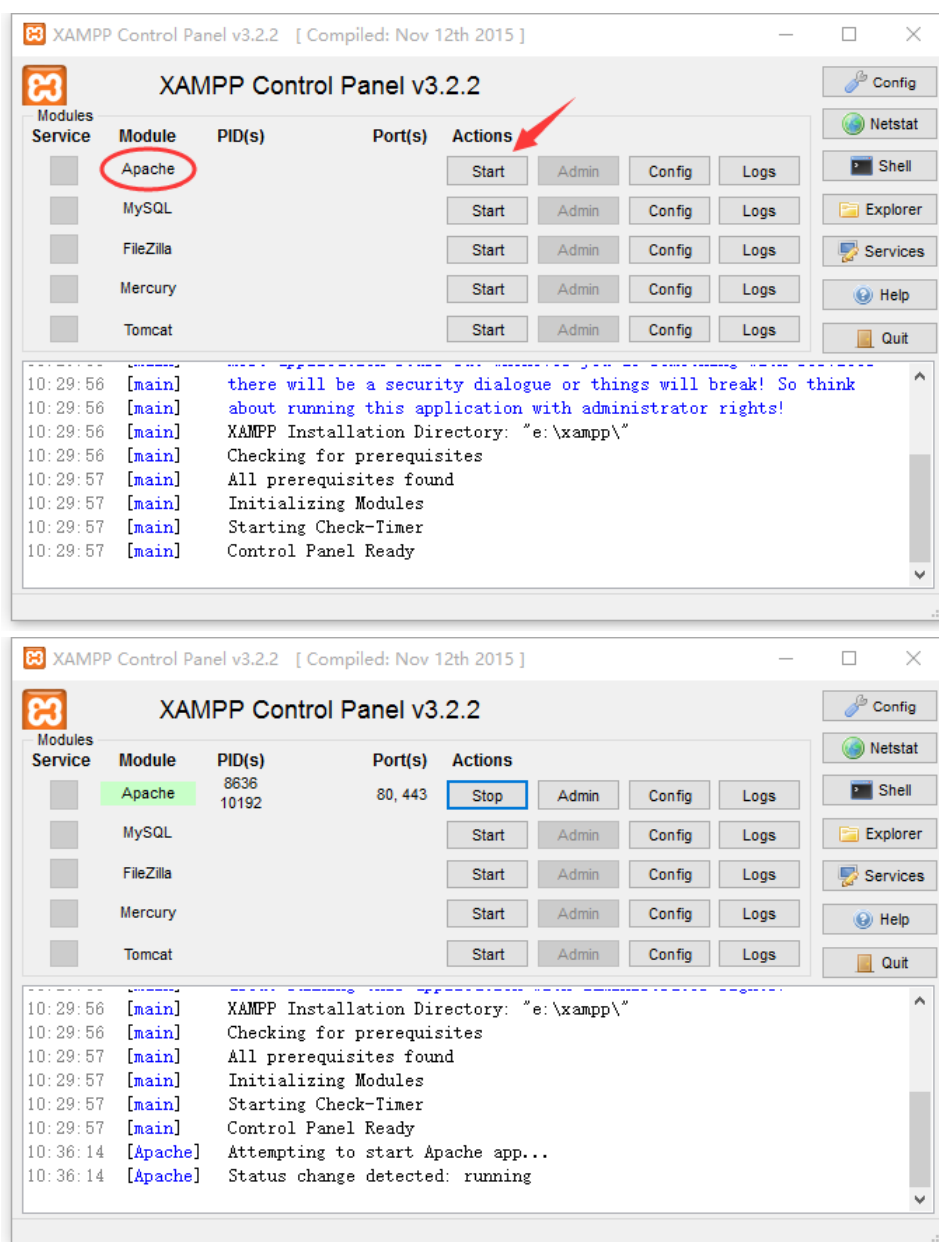
一路 next:



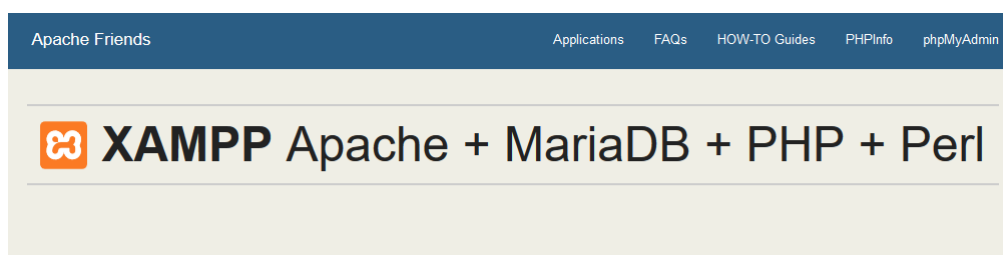
安装完成后打开 Xampp 软件，选择安装语言：



进入软件后，通过 Apache (阿帕奇) 服务器软件，点击 Start，即可启动 HTTP 和 HTTPS 服务器：



点击 Admin，出现如下界面则表明搭建成功：



Welcome to XAMPP for Windows 7.1.4

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the [FAQs](#) section or check the [HOW-TO Guides](#) for getting started with PHP applications.

XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others. If you want have your XAMPP accessible from the internet, make sure you understand the implications and you checked the [FAQs](#) to learn how to protect your site. Alternatively you can use [WAMP](#), [MAMP](#) or [LAMP](#) which are similar packages which are more suitable for production.

Start the XAMPP Control Panel to check the server status.

Community

XAMPP has been around for more than 10 years – there is a huge community behind it. You can get involved by joining our [Forums](#), adding yourself to the [Mailing List](#), and liking us on [Facebook](#), following our exploits on [Twitter](#), or adding us to your [Google+](#) circles.

Contribute to XAMPP translation at translate.apachefriends.org.

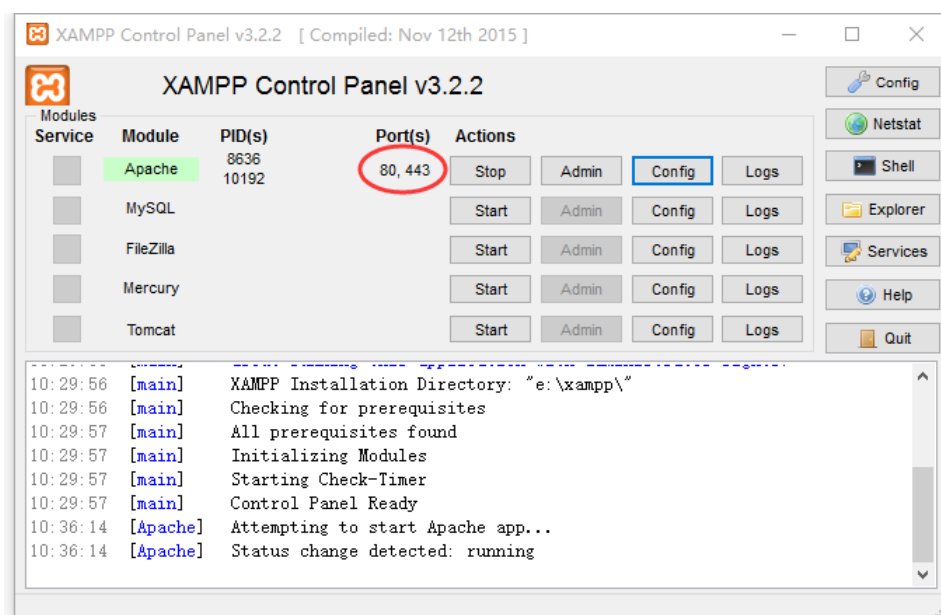
第二章 服务器配置

2.1 Port 配置

默认端口：

HTTP (80)

HTTPS (443)



2.1.1 HTTP 端口配置

进入路径 E:\xampp\apache\conf, 打开 httpd.conf 文件, 查找

Listen 80

(若端口被占用, 80 可修改范围为 1024 到 65535, 这些端口号一般不固定分配给某个服务, 也就是说许多服务都可以使用这些端口)



```
httpd.conf - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

# Change this to Listen on specific IP addresses as shown below to
# prevent Apache from glomming onto all bound IP addresses.
#
#Listen 12.34.56.78:80
Listen 80

#
# Dynamic Shared Object (DSO) Support
#
# To be able to use the functionality of a module which was built as a DSO you
# have to place corresponding 'LoadModule' lines at this location so the
# directives contained in it are actually available _before_ they are used.
# Statically compiled modules (those listed by 'httpd -l') do not need
# to be loaded here.
#
# Example:
# LoadModule foo_module modules/mod_foo.so
#
LoadModule access_compat_module modules/mod_access_compat.so
LoadModule actions_module modules/mod_actions.so
LoadModule alias_module modules/mod_alias.so
LoadModule allowmethods_module modules/mod_allowmethods.so
LoadModule asis_module modules/mod_asis.so
LoadModule auth_basic_module modules/mod_auth_basic.so
#LoadModule auth_digest_module modules/mod_auth_digest.so
LoadModule auth_form_module modules/mod_auth_form.so
```

这里修改为: 566

并将 ServerName localhost 后端口号修改一致并保存。

```
# Change this to Listen on :           # it explicitly to prevent problem
# prevent Apache from glommi          #
#                                     #
#Listen 12.34.56.78:80                 # If your host doesn't have a regi
#Listen 80                             #
Listen 566                             #ServerName localhost:80
                                     #ServerName localhost:566
..
```

2.1.2 HTTPS 端口配置

进入路径 E:\xampp\apache\conf\extra, 打开 httpd-ssl.conf 文件, 查找

Listen 443

(若端口被占用, 443 可修改范围为 1024 到 65535, 这些端口号一般不固定分配给某个服务, 也就是说许多服务都可以使用这些端口)


```
#SSLRandomSeed startup file:/dev/random 512
#SSLRandomSeed startup file:/dev/urandom 512
#SSLRandomSeed connect file:/dev/random 512
#SSLRandomSeed connect file:/dev/urandom 512

#
# When we also provide SSL we have to listen to the
# standard HTTP port (see above) and to the HTTPS port
#
Listen 443

##
##  SSL Global Context
##
##  All SSL configuration in this context applies both to
##  the main server and all SSL-enabled virtual hosts.
##
```

这里修改为：8668

将文件中其余 443 替换为 8668 并保存。

```
# When we also provide SSL
# standard HTTP port (see a
#
#Listen 443
Listen 8668

##
##  SSL Global Context
...

## SSL Virtual Host Context
##
#<VirtualHost _default_:443>
<VirtualHost _default_:8668>

#  General setup for the virtual host
DocumentRoot "E:/xampp/htdocs"

#ServerName www.example.com:443
ServerName www.example.com:8668
```

重启 Apache 服务，可见端口号修改成功。

Modules				
Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	7004 9788	566, 8668	Stop Admin Config Logs
<input type="checkbox"/>	MySQL			Start Admin Config Logs

2.2 文件根目录配置

2.2.1 HTTP 文件根目录配置

打开 httpd.conf 文件，查找如图处，可修改目录地址。

```
# DocumentRoot: The directory out of which you w
# documents. By default, all requests are taken
# symbolic links and aliases may be used to poin
#
DocumentRoot "E:/xampp/htdocs"
<Directory "E:/xampp/htdocs">
#
# Possible values for the Options directive
# or any combination of:
#   Indexes Includes FollowSymLinks SymLinks
#
```

2.2.2 HTTPS 文件根目录配置

打开 httpd-ssl.conf 文件，查找如图处，可修改目录地址。

```
#<VirtualHost _default_:443>
<VirtualHost _default_:8668>

#   General setup for the virtual host
DocumentRoot "E:/xampp/htdocs"

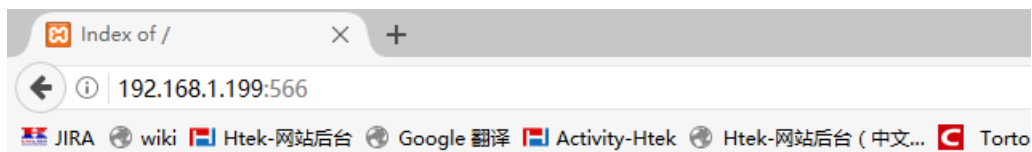
#ServerName www.example.com:443
ServerName www.example.com:8668
ServerAdmin admin@example.com
```

第三章 服务器测试

测试前先删除 E:\xampp\htdocs 文件夹中的 index.php 文件，否则可能无法取到文件。

3.1 HTTP 测试

在浏览器地址输入 <http://192.168.1.199:566>，出现如下画面说明取文件成功。



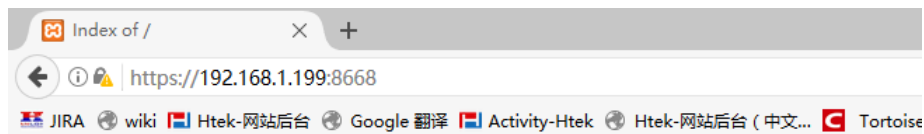
Index of /

Name	Last modified	Size	Description
applications.html	2017-05-12 13:29	3.7K	
bitnami.css	2017-02-27 17:36	177	
dashboard/	2017-05-12 13:45	-	
favicon.ico	2015-07-16 23:32	30K	
fw924.rom	2017-02-10 10:42	12M	
img/	2017-06-09 10:27	-	
webalizer/	2017-06-09 10:27	-	
xampp/	2017-06-09 10:27	-	

Apache/2.4.25 (Win32) OpenSSL/1.0.2j PHP/7.1.4 Server at 192.168.1.199 Port 566

3.2 HTTPS 测试

在浏览器地址输入 <https://192.168.1.199:8668>，出现如下画面说明取文件成功。



Index of /

Name	Last modified	Size	Description
applications.html	2017-05-12 13:29	3.7K	
bitnami.css	2017-02-27 17:36	177	
dashboard/	2017-05-12 13:45	-	
favicon.ico	2015-07-16 23:32	30K	
fw924.rom	2017-02-10 10:42	12M	
img/	2017-06-09 10:27	-	
webalizer/	2017-06-09 10:27	-	
xampp/	2017-06-09 10:27	-	

Apache/2.4.25 (Win32) OpenSSL/1.0.2j PHP/7.1.4 Server at 192.168.1.199 Port 8668

第四章 升级话机

4.1 HTTP 方式升级

将 fw924.rom 放入 E:\xampp\htdocs 文件夹中

此电脑 > 工作 (E:) > xampp > htdocs

名称	修改日期	类型	大小
dashboard	2017/6/9 10:27	文件夹	
img	2017/6/9 10:27	文件夹	
webalizer	2017/6/9 10:27	文件夹	
xampp	2017/6/9 10:27	文件夹	
applications.html	2017/5/12 13:29	Chrome HTML D...	4 KB
bitnami.css	2017/2/27 17:36	层叠样式表文档	1 KB
favicon.ico	2015/7/16 23:32	图标	31 KB
fw924.rom	2017/2/10 10:42	ROM 文件	11,931 KB

登录话机网页，设置

1. Upgrade Mode
2. Firmware Server Path
3. Config Server Path
4. Username/Password



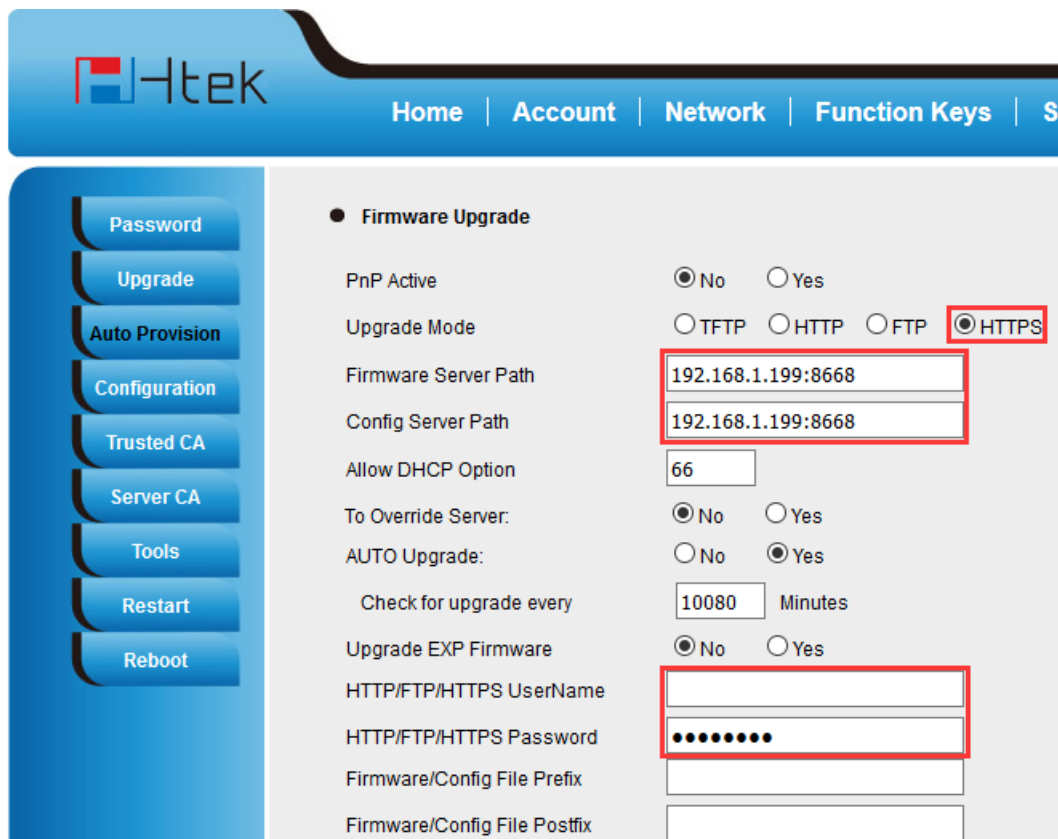
The screenshot shows the Htek web interface with the 'Firmware Upgrade' section active. The settings are as follows:

- PnP Active:** ☒ No ☐ Yes
- Upgrade Mode:** ☐ TFTP ☒ HTTP ☐ FTP ☐ HTTPS
- Firmware Server Path:** 192.168.1.199:566
- Config Server Path:** 192.168.1.199:566
- Allow DHCP Option:** 66
- To Override Server:** ☒ No ☐ Yes
- AUTO Upgrade:** ☐ No ☒ Yes
- Check for upgrade every:** 10080 Minutes
- Upgrade EXP Firmware:** ☒ No ☐ Yes
- HTTP/FTP/HTTPS UserName:** (empty field)
- HTTP/FTP/HTTPS Password:** (masked field)
- Firmware/Config File Prefix:** (empty field)
- Firmware/Config File Postfix:** (empty field)

点击 SaveSet，重启话机即可。

4.2 HTTPS 方式升级

同 HTTP，需改 Upgrade Mode，以及 Firmware Server Path/Config Server Path



● Firmware Upgrade	
PnP Active	<input checked="" type="radio"/> No <input type="radio"/> Yes
Upgrade Mode	<input type="radio"/> TFTP <input type="radio"/> HTTP <input type="radio"/> FTP <input checked="" type="radio"/> HTTPS
Firmware Server Path	192.168.1.199:8668
Config Server Path	192.168.1.199:8668
Allow DHCP Option	66
To Override Server:	<input checked="" type="radio"/> No <input type="radio"/> Yes
AUTO Upgrade:	<input type="radio"/> No <input checked="" type="radio"/> Yes
Check for upgrade every	10080 Minutes
Upgrade EXP Firmware	<input checked="" type="radio"/> No <input type="radio"/> Yes
HTTP/FTP/HTTPS UserName	
HTTP/FTP/HTTPS Password	••••••••
Firmware/Config File Prefix	
Firmware/Config File Postfix	

点击 SaveSet，重启话机即可。

参考文献

(无)