

服务器管理与维护



项目6 Web服务器的配置和安装

任务5 Apache服务器认知与安装

目录

Contents

01

Apache服务器简介

02

下载Apache服务器

03

安装Apache服务器

04

任务总结

05

学习检验

01

Apache服务器简介

Apache服务器简介



Apache HTTP Server (简称Apache) 是Apache软件基金会的一个开放源码的网页服务器自由软件，可以在大多数计算机操作系统中运行，由于其多平台和安全性被广泛使用，是最流行的Web服务器端软件之一。它快速、可靠并且可通过简单的API扩展，将Perl/Python等解释器编译到服务器中，使它的功能变得易于扩展和强大。



Apache服务器简介

提供用户会话过程的跟踪

支持最新的HTTP通信协议

拥有简单而强有力的基于文件的配置过程

支持通用网关接口

支持基于IP和基于域名的虚拟主机

支持多种方式的HTTP认证

Apache web
服务器软件拥
有的特性

支持FastCGI还有通过第三方模块可以支持
JavaServlets

集成Perl处理模块

集成代理服务器模块

支持实时监视服务器状态和定制服务器日志

支持服务器端包含指令(SSl)

支持安全Socket层(SSL)

02

下载Apache服务器

下载Apache服务器

下载地址：<http://httpd.apache.org/download.cgi>

点击最新版本

Download - The Apache HTTP Server Project

不安全 | <http://httpd.apache.org/download.cgi>

APACHE

HTTP SERVER PROJECT

APACHECON
LAS VEGAS: Sept. 9-12, 2019
BERLIN: Oct. 22-24, 2019
[Save the date!](#)

Downloading the Apache HTTP Server

Use the links below to download the Apache HTTP Server from one of our mirrors. You **must** [verify the](#) Only current recommended releases are available on the main distribution site and its mirrors. Historical Apache httpd for Microsoft Windows is available from [a number of third party vendors](#).

Stable Release - Latest Version:

- [2.4.39](#) (released 2019-04-01)

If you are downloading the Win32 distribution, please read these [important notes](#).

Mirror

The currently selected mirror is <http://mirrors.tuna.tsinghua.edu.cn/apache/>. If you encounter a problem, please contact the mirror maintainer.

Essentials

- [Download!](#)
- [About](#)
- [License](#)
- [FAQ](#)
- [Security Reports](#)

Source Repositories

- [General Information](#)
- [Trunk](#)
- [2.4](#)

Documentation

Other mirrors: [http://mirrors.tuna.tsinghua.edu.cn/apache/](#) [Other mirrors...](#)

下载Apache服务器



点击“下载Windows文件”



Download - The Apache HTTP Server Project

Source Repositories

- 2.4.39 (released 2019-04-01)

General Information

- Trunk
- 2.4

Documentation

- Version 2.4
- Trunk (dev)
- Wiki

Get Involved

- Mailing Lists
- Bug Reports
- Developer Info
- User Support

Subprojects

- Docs
- Test
- Flood
- libapreq
- Modules
- mod_fcgid
- mod_ftp

Related Projects

- Apache Traffic Server
- Tomcat
- APR

Miscellaneous

- Contributors

If you are downloading the Win32 distribution, please read these [important notes](#).

Mirror

The currently selected mirror is <http://mirror.bit.edu.cn/apache/>. If you encounter a problem with this mirror, please select another mirror. If all mirrors are failing, there are *backup* mirrors (at the end of the mirrors list) that should be available.

Other mirrors:

You may also consult the [complete list of mirrors](#).

Apache HTTP Server 2.4.39 (httpd): 2.4.39 is the latest available version 2019-04-01

The Apache HTTP Server Project is pleased to [announce](#) the release of version 2.4.39 of the Apache HTTP Server ("Apache" and "httpd"). This version of Apache is our latest GA release of the new generation 2.4.x branch of Apache HTTPD and represents fifteen years of innovation by the project, and is recommended over all previous releases!

For details, see the [Official Announcement](#) and the [CHANGES_2.4](#) and [CHANGES_2.4.39](#) lists.

- Source: <http://httpd-2.4.39.tar.bz2> [PGP] [SHA256]
- Source: <http://httpd-2.4.39.tar.gz> [PGP] [SHA256]
- Binaries
- Security and official patches
- Other files
- Files for Microsoft Windows**

Apache mod_fcgid FastCGI module for Apache HTTP Server released as 2.3.9 2013-10-08

The Apache Software Foundation and the Apache HTTP Server Project are pleased to announce the release of version 2.3.9 of mod_fcgid, a FastCGI implementation for Apache HTTP Server versions 2.2 and 2.4. This version of mod_fcgid is a security release.

下载Apache服务器



点击“ApacheHaus”

Downloading Apache for Windows

The Apache HTTP Server Project itself does not provide binary releases of software, only source code. Individual committers *may* provide binary packages as a convenience, but it is not a release deliverable.

If you cannot compile the Apache HTTP Server yourself, you can obtain a binary package from numerous binary distributions available on the Internet.

Popular options for deploying Apache httpd, and, optionally, PHP and MySQL, on Microsoft Windows, include:

- [ApacheHaus](#)
- [Apache Lounge](#)
- [Bitnami WAMP Stack](#)
- [WampServer](#)
- [XAMPP](#)

下载Apache服务器



点击“ Apache2.4 VC14 ”，
下载64位与32位系统安装包。

Apache Haus Downloads

Apache binaries are built with the original source released by the Apache Software Foundation (unless noted) and have been compiled with Visual Studio 2015 (VC9) or Visual Studio 2017 (VC15) to obtain higher performance and better stability than the binaries built by the Apache Software Foundation

Binaries are built using the latest versions of the Apache Portable Runtime, OpenSSL and Zlib compression library. OpenSSL and Zlib are built using the optional assembly routines for added performance in the SSL and deflate modules.

After downloading and before you install, you should make sure that the file is intact and has not been tampered with. Use the SHA Checksums to verify the integrity.

[\[Apache 2.4 VC14 \]](#)
[\[Apache 2.4 Modules VC14 \]](#)
[\[VC14 Redistributable \]](#)

JumpLinks

[\[Apache 2.4 VC15 \]](#)
[\[Apache 2.4 Modules VC15 \]](#)
[\[VC15 Redistributable \]](#)

Apache 2.4.x OpenSSL 1.0.2 VC14

Built using C sources from the ASF and OpenSSL on Visual Studio 2015 (VC14).

Note: VC14 binaries do not run on Windows XP or Server 2003

See readme_first.html file for details.

Apache 2.4.39 x64

with OpenSSL 1.0.2s, brotli 1.0.7, nghttp 1.38.0, Zlib 1.2.10,
PCRE 8.43, APR 1.7.0, APR-Util 1.6.1

httpd-2.4.39-o102s-x64-vc14.zip 11.6 MB
42048

SHA1 Checksum: 71de14bd60c7ba1a2f8d67e53a8bc88ca1f057d2

Download Locations



Apache 2.4.39

with OpenSSL 1.0.2s, brotli 1.0.7, nghttp 1.38.0, Zlib 1.2.10,
PCRE 8.43, APR 1.7.0, APR-Util 1.6.1

httpd-2.4.39-o102s-x86-vc14.zip 10.3 MB
7025

SHA1 Checksum: 1cfe66985512998b23d94180c08a4d622f58bc28

Download Locations



03

安装Apache服务器

下载Apache服务器

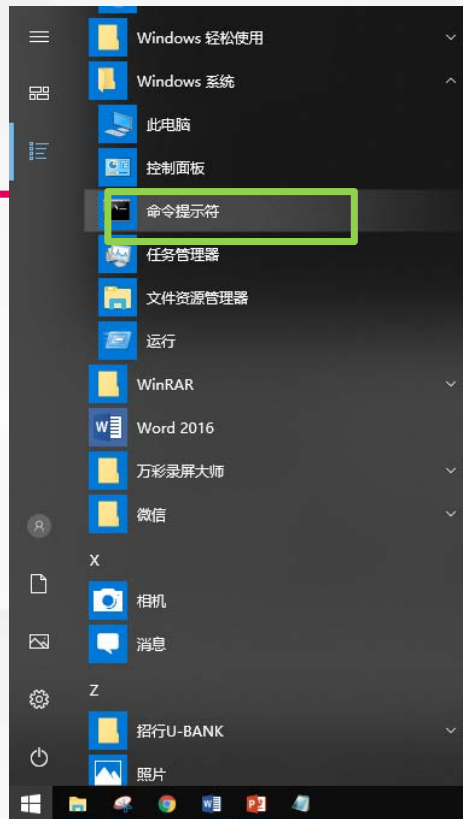
对下载的安装包进行解压



下载Apache服务器

用Windows命令行，执行安装操作。

启动Windows系统的“命令提示符”



1.用CD命令，进入APACHE安装目录的bin子目录中。

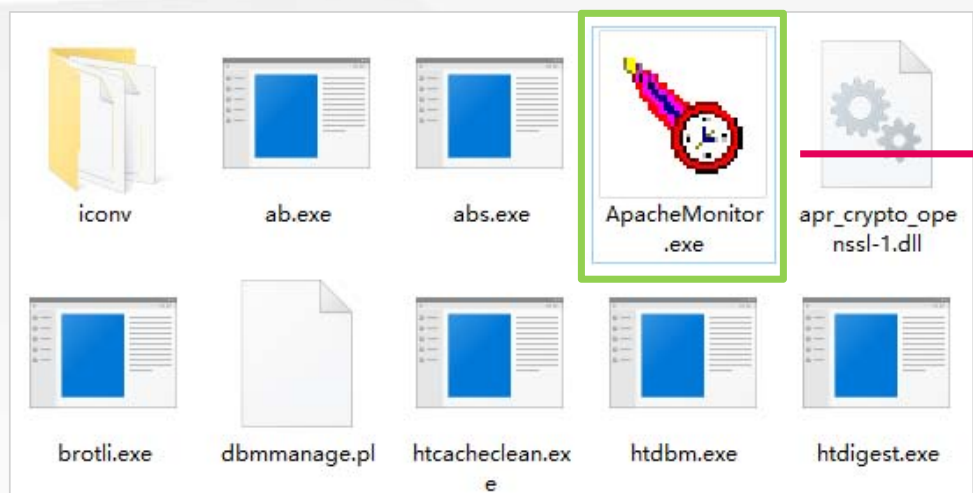
2.输入“httpd -k install”命令

```
D:\Apache>cd bin
D:\Apache\bin>httpd
httpd: Syntax error on line 38 of D:/Apache/conf/httpd.conf: ServerRoot must be a valid directory
D:\Apache\bin>httpd -k install
Installing the 'Apache2.4' service
The 'Apache2.4' service is successfully installed.
```

当屏幕出现“ The 'Apache2.4' service is successfully installed.”提示时，说明我的APACHE服务器已经初步安装好了。

下载Apache服务器

启动APACHE服务器控制器



进入APACHE安装目录的bin子目录中，双击执行ApacheMonitor控制器程序。

ApacheMonitor控制器界面

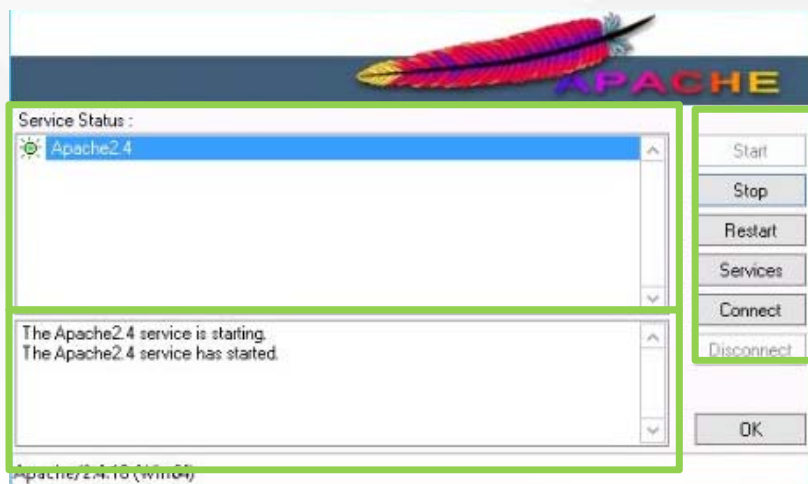
下载Apache服务器

APACHE服务器控制器界面介绍

服务器运行状态

- 绿灯为服务正常
- 红灯为服务停止

服务器运行信息



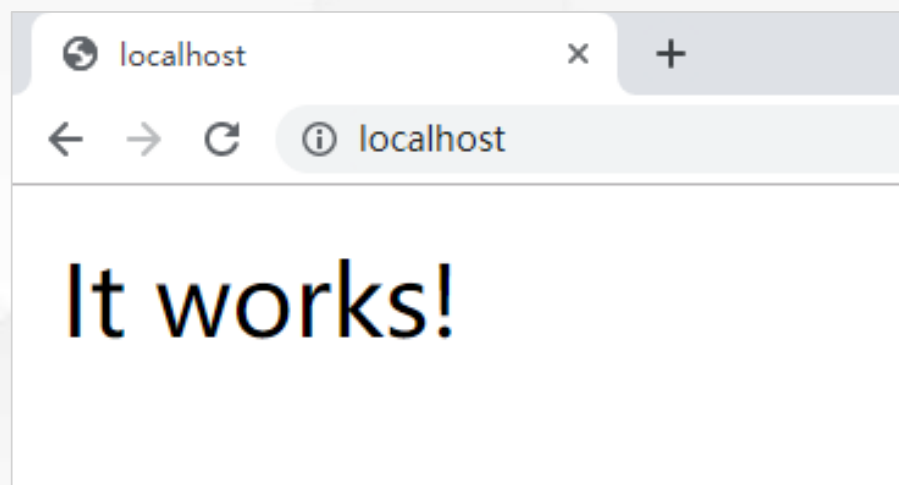
服务器控制按钮

- 启动
- 停止
- 重启
- 服务
- 联接

下载Apache服务器

测试服务器启动情况

打开浏览器，在地址中输出http://localhost/，确定访问后，如果浏览器中出现了大大的“IT WORKS!”就是说明APACHE服务器正在正常工作。



05

任务总结

任务总结



APACHE是优秀的开源网页服务器自由软件，可以官方网站免费下载。



在WINDOWS中使用命令行方式安装
安装命令：`httpd -k instal`



APACHE Monitor控制器控制服务器的启停，显示运行信息。



在浏览器输入<http://localhost/>访问本地服务器，查看服务器默认首页，以检查服务器执行情况。

06

学习检验



THANKS

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