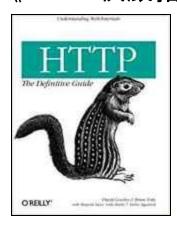
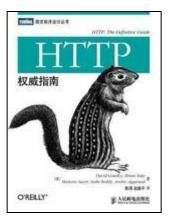
# 《HTTP 权威指南》





分类	<u>IT 类 / 网络 / 网络协议</u>
作者	Brian Totty David Gourley Marjorie Sayer Anshu Aggarwal Sailu Reddy
英文书名	《HTTP——The Definitive Guide》
出版年份	2002(原著) 2012(简体中译本)

## 简介

本书的5名作者中, David Gourley 是 Endeca 的 CTO, Brian Totty 是 Inktomi 公司研发部副总裁。

对于从事 Web 相关开发的同学, 了解 HTTP 协议是很有好处滴。

俺曾经写过一篇《<u>学习技术的三部曲:WHAT、HOW、WHY</u>》,其中提及了 WHY 的重要性。而此书的特色就在于——对 HTTP 协议的设计,讲述了很多关于 WHY 的话题。

## 英文目录

#### **Chapter 1 Overview of HTTP**

HTTP: The Internet's Multimedia Courier

Web Clients and Servers

Resources

**Transactions** 

Messages

Connections

**Protocol Versions** 

Architectural Components of the Web

The End of the Beginning

For More Information

#### **Chapter 2 URLs and Resources**

Navigating the Internet's Resources

URL Syntax

**URL Shortcuts** 

**Shady Characters** 

A Sea of Schemes

The Future

For More Information

#### **Chapter 3 HTTP Messages**

The Flow of Messages

The Parts of a Message

Methods

Status Codes

Headers

For More Information

#### **Chapter 4 Connection Management**

TCP Connections

TCP Performance Considerations

**HTTP Connection Handling** 

Parallel Connections

Persistent Connections

**Pipelined Connections** 

The Mysteries of Connection Close

For More Information HTTP Architecture

#### **Chapter 5 Web Servers**

Web Servers Come in All Shapes and Sizes

A Minimal Perl Web Server

What Real Web Servers Do

Step 1: Accepting Client Connections

Step 2: Receiving Request Messages

Step 3: Processing Requests

Step 4: Mapping and Accessing Resources

Step 5: Building Responses

Step 6: Sending Responses

Step 7: Logging

For More Information

#### **Chapter 6 Proxies**

Web Intermediaries

Why Use Proxies?

Where Do Proxies Go?

Client Proxy Settings

Tricky Things About Proxy Requests

**Tracing Messages** 

Proxy Authentication

Proxy Interoperation

For More Information

#### **Chapter 7 Caching**

Redundant Data Transfers

Bandwidth Bottlenecks

Flash Crowds

Distance Delays

Hits and Misses

Cache Topologies

Cache Processing Steps

Keeping Copies Fresh

Controlling Cachability

Setting Cache Controls

**Detailed Algorithms** 

Caches and Advertising

For More Information

#### **Chapter 8 Integration Points: Gateways, Tunnels, and Relays**

Gateways

Protocol Gateways

Resource Gateways

Application Interfaces and Web Services

Tunnels

Relays

For More Information

#### **Chapter 9 Web Robots**

Crawlers and Crawling

Robotic HTTP

Misbehaving Robots

**Excluding Robots** 

Robot Etiquette

Search Engines

For More Information

## Chapter 10 HTTP-NG

HTTP's Growing Pains

HTTP-NG Activity

Modularize and Enhance

Distributed Objects

Layer 1: Messaging

Layer 2: Remote Invocation

Layer 3: Web Application

WebMUX

Binary Wire Protocol

**Current Status** 

For More Information Identification, Authorization, and Security

## **Chapter 11 Client Identification and Cookies**

The Personal Touch

**HTTP Headers** 

Client IP Address

User Login

Fat URLs

Cookies

For More Information

#### **Chapter 12 Basic Authentication**

Authentication

Basic Authentication

The Security Flaws of Basic Authentication

For More Information

## **Chapter 13 Digest Authentication**

The Improvements of Digest Authentication

**Digest Calculations** 

**Quality of Protection Enhancements** 

**Practical Considerations** 

**Security Considerations** 

For More Information

## **Chapter 14 Secure HTTP**

Making HTTP Safe

Digital Cryptography

Symmetric-Key Cryptography

Public-Key Cryptography

**Digital Signatures** 

**Digital Certificates** 

HTTPS: The Details

A Real HTTPS Client

Tunneling Secure Traffic Through Proxies

For More Information Entities, Encodings, and Internationalization

#### **Chapter 15 Entities and Encodings**

Messages Are Crates, Entities Are Cargo

Content-Length: The Entity's Size

**Entity Digests** 

Media Type and Charset

Content Encoding

Transfer Encoding and Chunked Encoding

Time-Varying Instances

Validators and Freshness

Range Requests

Delta Encoding

For More Information

## **Chapter 16 Internationalization**

HTTP Support for International Content

Character Sets and HTTP

Multilingual Character Encoding Primer

Language Tags and HTTP

Internationalized URIs

Other Considerations

For More Information

#### **Chapter 17 Content Negotiation and Transcoding**

Content-Negotiation Techniques

Client-Driven Negotiation

Server-Driven Negotiation

**Transparent Negotiation** 

Transcoding

Next Steps

For More Information Content Publishing and Distribution

#### **Chapter 18 Web Hosting**

Hosting Services

Virtual Hosting

Making Web Sites Reliable

Making Web Sites Fast

For More Information

#### **Chapter 19 Publishing Systems**

FrontPage Server Extensions for Publishing Support

WebDAV and Collaborative Authoring

For More Information

## **Chapter 20 Redirection and Load Balancing**

Why Redirect?

Where to Redirect

Overview of Redirection Protocols

**General Redirection Methods** 

**Proxy Redirection Methods** 

Cache Redirection Methods

Internet Cache Protocol

Cache Array Routing Protocol

Hyper Text Caching Protocol

## For More Information

## **Chapter 21 Logging and Usage Tracking**

What to Log?

Log Formats

Hit Metering

A Word on Privacy

For More Information

## **Appendixes**

Appendix A URI Schemes

Appendix B HTTP Status Codes

Appendix C HTTP Header Reference

Appendix D MIME Types

Appendix E Base64 Encoding

Appendix F Digest Authentication

Appendix G Language Tags

Appendix H MIME Charset Registry

<u>【编程随想】收藏的电子书清单</u> 【编程随想】的博客