

# 4

## CHAPTER FOUR

# OSI Model and Network Protocols

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### Objectives

#### 1.1 Explain the function of common networking protocols

- ▶ TCP
- ▶ FTP
- ▶ UDP
- ▶ TCP/IP suite
- ▶ DHCP
- ▶ TFTP
- ▶ DNS
- ▶ HTTP(S)
- ▶ ARP
- ▶ SIP (VoIP)
- ▶ RTP (VoIP)
- ▶ SSH
- ▶ POP3
- ▶ NTP
- ▶ IMAP4
- ▶ Telnet
- ▶ SMTP
- ▶ SNMP2/3
- ▶ ICMP
- ▶ IGMP
- ▶ TLS

# Chapter Four Osi Model And Network Protocols

**R Pring**



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**Principles of Communication and Networking Protocols** Simon S. Lam, 1984

**Network+ Training Guide** Drew Bird, Mike Harwood, 2002 Annotation The authoritative solution to passing the Network exam Has CompTIAs Authorized Quality Curriculum CAQC stamp of approval Features exam tips study strategies review exercises case studies practice exams ExamGear testing software and more This exam certifies that candidates know the layers of the OSI model can describe the features and functions of network components and have the skills needed to install configure and troubleshoot basic networking hardware peripherals and protocols The Network exam developed by CompTIA is only two years old but already is held by 50 000 individuals Readers preparing for this exam will find our Training Guide series to be an indispensable self study tool This book is their one stop shop because of its teaching methodology the accompanying ExamGear testing software and Web site support at [www.quepublishing.com](http://www.quepublishing.com) certification Drew Bird MCNI MCNE MCT MCSE MCP I has been working in the IT industry for over 12 years instructing for the past five Drew has completed technical training and consultancy assignments for a wide variety of organizations including the Bank of England The London Stock Exchange Iomega and the United Nations Mike Harwood MCT MCSE A has 6 years experience in IT As well as training and authoring technical courseware he currently acts as a system manager for a multi site network and performs consultancy projects for a computer networking company As a team they have written Network Exam Cram Coriolis and Network Exam Prep Coriolis

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wireless networking gigabit Ethernet and other wireless technologies Covers the latest hardware including CAT 6 SANs NAS and RAID Full details on Windows XP Windows Server 2003 Netware and Linux

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CCT/CCNA Routing and Switching All-in-One Exam Guide (Exams 100-490 & 200-301) Glen E. Clarke, Richard Deal, 2021-01-01 This new All in One Exam Guide covers every topic on the current version of Cisco's CCT and CCNA exams Take the 2020 versions of the Cisco Certified Technician CCT and Cisco Certified Network Associate CCNA exams with complete confidence using the detailed information contained in this highly effective self study system Written by a pair of Cisco networking professionals and training experts CCT CCNA Routing and Switching All in One Exam Guide Exams 100 490 200 301 fully explains all subjects covered on both exams and contains practice questions that mirror those on the live test in tone format and content Beyond fully preparing you for the challenging exam the book also serves as a valuable on the job reference Covers all topics on both exams including Network fundamentals OSI model TCP IP protocol suite Subnetting and VLSM Cisco device and IOS basics Cisco device management Switching Static and dynamic routing IP services and IPv6 Wireless Security fundamentals Implementing security on Cisco devices Automation and programmability

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to Point Tunneling Protocol which is the network protocol supporting VPNs Michael Busby is an electrical engineer and technical writer in Plano Texas He is a consultant the president of Global Network Services an international telecommunications company and the author of Demystifying ATM ADSL and Demystifying TCP IP 3e *Oracle Database 10g: A Beginner's Guide* Ian Abramson,Michael Abbey,Michael J. Corey,2004 Provides beginning DBAs and developers with a solid foundation in the database administration and programming basics needed to embark on an Oracle career The focus is on Oracle Database 10g but you ll get the fundamentals applicable to all Oracle database releases Networking Complete Dave Evans,Greg Jarboe,Hollis Thomases,Mari Smith,Chris Treadaway,2002 Collects chapters written by specialists covering computer networking fundamentals hardware software design maintenance troubleshooting and security **Data Communications, Networks, and Systems** Thomas C. Bartee,1985 *CompTIA Network+ Certification Study Guide, 5th Edition (Exam N10-005)* Glen E. Clarke,2012-01-27 The best fully integrated study system available for Exam N10 005 Prepare for CompTIA Network Exam N10 005 with McGraw Hill a Gold Level CompTIA Authorized Partner offering Authorized CompTIA Approved Quality Content to give you the competitive edge on exam day With hundreds of practice questions and hands on exercises CompTIA Network Certification Study Guide Fifth Edition covers what you need to know and shows you how to prepare for this challenging exam 100% complete coverage of all official objectives for exam N10 005 Exam Readiness checklist you re ready for the exam when all objectives on the list are checked off Inside the Exam sections highlight key exam topics covered Two Minute Drills for quick review at the end of every chapter Simulated exam questions match the format tone topics and difficulty of the real exam Covers all the exam topics including Basic Network Concepts Network Protocols and Standards Networking Components TCP IP Fundamentals TCP IP Utilities Configuring Network Services Wireless Networking Remote Access and VPN Connectivity Wide Area Network Technologies Implementing a Network Maintaining and Supporting a Network Network Security Troubleshooting the Network CD ROM includes Complete MasterExam practice testing engine featuring One full practice exam Detailed answers with explanations Score Report performance assessment tool More than one hour of video training from the author Glossary with key terms Lab Book PDF with solutions with free online registration Bonus downloadable MasterExam practice test Adobe Digital Editions free eBook download subject to Adobe s system requirements

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ingalls wilder s series of little house books

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web little house on the prairie directed by michael landon with michael landon karen grassle melissa gilbert melissa sue anderson the story of the ingalls family who left their house in wisconsin and moved to the west wanting to find a new place for home

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web little house on the prairie top rated wed sep 10 1975 s2 e1 the richest man in walnut grove mr ingalls and his employer mr hansen are anticipating a large income from a big job they have done the ingalls plan to pay their bill at the mercantile store and more

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web the official youtube channel for little house on the prairie which serves as a home for fans of laura ingalls wilder s classic books the beloved television

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web 4 21 286 687 ratings 5 443 reviews meet laura ingalls the little girl who would grow up to write the little house books pa ingalls decides to sell the little log house and the family sets out for indian country they travel from wisconsin to kansas and there finally pa builds their little house on the prairie

little house on the prairie tv series 1974 1983 imdb - Sep 02 2023

web little house on the prairie created by blanche hanalis with melissa gilbert michael landon karen grassle rachel lindsay greenbush the life and adventures of the ingalls family in the nineteenth century american midwest

*little house on the prairie rotten tomatoes* - Dec 25 2022

web based on laura ingalls wilder s series of little house books this drama series revolved around the 1870s adventures of the ingalls family father charles mother caroline eldest daughter

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web jun 5 2020 adapted from laura ingalls wilder s popular book series the show taught us about the simple life way before paris hilton set on a farm in walnut grove minnesota in the late 1800s

*little house on the prairie tv series wikipedia* - Oct 03 2023

web little house on the prairie little house a new beginning in its ninth and final season is an american western historical drama television series about the ingalls family who live on a farm on plum creek near walnut grove minnesota in the 1870s 90s

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web the little house on the prairie books comprise a series of american children s novels written by laura ingalls wilder b laura elizabeth ingalls the stories are based on her childhood and adolescence in the american midwest wisconsin kansas minnesota south dakota and missouri between 1870 and 1894 1

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