

A Practical Guide To Advanced Networking

Advanced Perl Programming

the second edition features a different set of advanced programming techniques, with a stronger emphasis on practical use cases in modern Perl development

Advanced Perl Programming is a technical book on the Perl programming language, authored by Sriram Srinivasan and first published in 1997 by O'Reilly Media. The book focuses on advanced concepts and techniques used in production-level Perl development, offering insight into the design and implementation of real-world Perl applications.

A second edition of the book was published in 2005, authored by Simon Cozens and edited by Allison Randal. Unlike the first edition, the second edition features a different set of advanced programming techniques, with a stronger emphasis on practical use cases in modern Perl development.

Both editions are independent in content and are intended to serve experienced Perl programmers seeking to deepen their understanding of the language.

Related books include...

Optical networking

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Optical networking is a means of communication that uses signals encoded in light to transmit information in various types of telecommunications networks. These include limited range local-area networks (LAN) or wide area networks (WANs), which cross metropolitan and regional areas as well as long-distance national, international and transoceanic networks. It is a form of optical communication that relies on optical amplifiers, lasers or LEDs and wavelength-division multiplexing (WDM) to transmit large quantities of data, generally across fiber-optic cables. Because it is capable of achieving extremely high bandwidth, it is an enabling technology for the Internet and telecommunication networks that transmit the vast majority of all human and machine-to-machine information.

Hop (networking)

In wired computer networking a hop occurs when a packet is passed from one network segment to the next. Data packets pass through routers as they travel

In wired computer networking a hop occurs when a packet is passed from one network segment to the next. Data packets pass through routers as they travel between source and destination. The hop count refers to the number of network devices through which data passes from source to destination (depending on routing protocol, this may include the source/destination, that is, the first hop is counted as hop 0 or hop 1).

Since store and forward and other latencies are incurred through each hop, a large number of hops between source and destination implies lower real-time performance.

Wireless network

A wireless network is a computer network that uses wireless data connections between network nodes. Wireless networking allows homes, telecommunications

A wireless network is a computer network that uses wireless data connections between network nodes. Wireless networking allows homes, telecommunications networks, and business installations to avoid the costly process of introducing cables into a building, or as a connection between various equipment locations. Admin telecommunications networks are generally implemented and administered using radio communication. This implementation takes place at the physical level (layer) of the OSI model network structure.

Examples of wireless networks include cell phone networks, wireless local area networks (WLANs), wireless sensor networks, satellite communication networks, and terrestrial microwave networks.

Social networking service

A social networking service or social networking site, abbreviated as SNS, is a type of online social media platform which people use to build social networks

A social networking service or social networking site, abbreviated as SNS, is a type of online social media platform which people use to build social networks or social relationships with other people who share similar personal or career content, interests, activities, backgrounds or real-life connections.

Social networking services vary in format and the number of features. They can incorporate a range of new information and communication tools, operating on desktops and on laptops, on mobile devices such as tablet computers and smartphones. This may feature digital photo/video/sharing and diary entries online (blogging). Online community services are sometimes considered social-network services by developers and users, though in a broader sense, a social-network service usually provides an...

Router (computing)

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Routers perform the "traffic directing" functions on the Internet. A router is connected to two or more data lines from different IP networks. When a data packet comes in on a line, the router reads the network address information in the packet header to determine the ultimate destination. Then, using information in its routing table or routing policy, it directs the packet to the next network on its journey. Data packets are forwarded from one router to another through an internetwork until it reaches its destination node.

The most familiar type of IP routers are home and small office routers that forward IP packets between the home computers...

Precision-guided munition

A precision-guided munition (PGM), also called a smart weapon, smart munition, or smart bomb, is a type of weapon system that integrates advanced guidance

A precision-guided munition (PGM), also called a smart weapon, smart munition, or smart bomb, is a type of weapon system that integrates advanced guidance and control systems, such as GPS, laser guidance, or infrared sensors, with various types of munitions, typically missiles or artillery shells, to allow for high-accuracy strikes against designated targets. PGMs are designed to precisely hit a predetermined target, typically with a margin of error (or circular error probable, CEP) that is far smaller than conventional unguided munitions. Unlike unguided munitions, PGMs use active or passive control mechanisms capable of steering the weapon towards its intended target. PGMs are capable of mid-flight course corrections, allowing them to adjust and hit the intended target even if conditions...

Computer network

connected to a computer network. Early computers had very limited connections to other devices, but perhaps the first example of computer networking occurred

A computer network is a collection of communicating computers and other devices, such as printers and smart phones. Today almost all computers are connected to a computer network, such as the global Internet or an embedded network such as those found in modern cars. Many applications have only limited functionality unless they are connected to a computer network. Early computers had very limited connections to other devices, but perhaps the first example of computer networking occurred in 1940 when George Stibitz connected a terminal at Dartmouth to his Complex Number Calculator at Bell Labs in New York.

In order to communicate, the computers and devices must be connected by a physical medium that supports transmission of information. A variety of technologies have been developed for the physical...

Advanced Open Water Diver

Advanced Open Water Diver (AOWD) is a recreational scuba diving certification level provided by several diver training agencies. Agencies offering this

Advanced Open Water Diver (AOWD) is a recreational scuba diving certification level provided by several diver training agencies. Agencies offering this level of training under this title include Professional Association of Diving Instructors (PADI), and Scuba Schools International (SSI). Other agencies offer similar training under different titles. Advanced Open Water Diver is one step up from entry level certification as a beginner autonomous scuba diver. A major difference between Autonomous diver equivalent Open Water Diver (OWD) certification and AOWD is that the depth

limit is increased from 18 to 30 metres (60 to 100 ft).

Prerequisite certification level for AOWD training is OWD or a recognized equivalent (ISO 24801-2). Certification requirements for AOWD includes theory learning and...

Dive leader

Dive Guide IANTD: Rescue Diver Divemaster / Cavern Divemaster IDEA: Divemaster IDIC: Dive Supervisor ITDA: Rescue Diver, Pro Guide LA Co UW: Advanced Certification

Dive leader is the title of an internationally recognised recreational diving certification. The training standard describes the minimum requirements for dive leader training and certification for recreational scuba divers in international standard ISO 24801-3 and the equivalent European Standard EN 14153-3. Various organizations offer training that meets the requirements of the dive leader standard. Some agencies use the title "Dive Leader" for their equivalent certification, but several other titles are also used, "Divemaster" may be the most widespread, but "Dive Supervisor" or "Dive supervisor" are also used, and should not be confused with the very different status and responsibilities of a professional diving supervisor. A person designated as a dive supervisor or dive marshall is more...

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