

Secured Transactions In A Nutshell

Shell

columns or exterior buttresses Seashell, a hard outer layer of a marine animal, found on beaches Eggshell Nutshell Exoskeleton, an external covering of some

Shell may refer to:

Man-in-the-browser

of vulnerabilities in browser security to modify web pages, modify transaction content or insert additional transactions, all in a covert fashion invisible

Man-in-the-browser (MITB, MitB, MIB, MiB), a form of Internet threat related to man-in-the-middle (MITM), is a proxy Trojan horse that infects a web browser by taking advantage of vulnerabilities in browser security to modify web pages, modify transaction content or insert additional transactions, all in a covert fashion invisible to both the user and host web application. A MitB attack will be successful irrespective of whether security mechanisms such as SSL/PKI and/or two- or three-factor authentication solutions are in place. A MitB attack may be countered by using out-of-band transaction verification, although SMS verification can be defeated by man-in-the-mobile (MitMo) malware infection on the mobile phone. Trojans may be detected and removed by antivirus software, but a 2011 report...

Time-of-check to time-of-use

2021-05-18. Martelli, Alex (2006). "Chapter 6: Exceptions". Python in a Nutshell (2 ed.). O'Reilly Media. p. 134. ISBN 978-0-596-10046-9. Dean, Drew;

In software development, time-of-check to time-of-use (TOCTOU, TOCTTOU or TOC/TOU) is a class of software bugs caused by a race condition involving the checking of the state of a part of a system (such as a security credential) and the use of the results of that check.

TOCTOU race conditions are common in Unix between operations on the file system, but can occur in other contexts, including local sockets and improper use of database transactions. In the early 1990s, the mail utility of BSD 4.3 UNIX had an exploitable race condition for temporary files because it used the mktemp() function.

Early versions of OpenSSH had an exploitable race condition for Unix domain sockets. They remain a problem in modern systems; as of 2019, a TOCTOU race condition in Docker allows root access to the filesystem...

Xenix

2014, at the Wayback Machine Cutler, Ellie; et al. (1994). SCO Unix in a Nutshell. O'Reilly Media, Inc. pp. 312-. ISBN 978-1-56592-037-8. Frisch, Aileen

Xenix is a discontinued Unix operating system for various microcomputer platforms, licensed by Microsoft from AT&T Corporation. The first version was released in 1980, and Xenix was the most common Unix variant during the mid-to late-1980s. The Santa Cruz Operation (SCO) acquired exclusive rights to the software, and eventually replaced it with SCO UNIX, later known as OpenServer, with the final Xenix version released in 1991.

Quantum engineering

Technologies in a nutshell". Quantum Technology. Retrieved 2022-11-27. Johnson, Tomi H.; Clark, Stephen R.; Jaksch, Dieter (December 2014). "What is a quantum

Quantum engineering is the development of technology that capitalizes on the laws of quantum mechanics. This type of engineering uses quantum mechanics to develop technologies such as quantum sensors and quantum computers.

Devices that rely on quantum mechanical effects such as lasers, MRI imagers and transistors have revolutionized many areas of technology. New technologies are being developed that rely on phenomena such as quantum coherence and on progress achieved in the last century in understanding and controlling atomic-scale systems. Quantum mechanical effects are used as a resource in novel technologies with far-reaching applications, including quantum sensors and novel imaging techniques, secure communication (quantum internet) and quantum computing.

Hunger marketing

unexpectedly. Cuofano, Gennaro (25 October 2023). "Hunger Marketing In A Nutshell". FourWeekMBA. Retrieved 28 December 2023. Hellwig, Michael; Cabral

Hunger marketing is a marketing strategy that targets the emotions of human beings. The essence of hunger marketing is artificially low price and/or restricted supply.

It encourages impulsive decision-making over rationality, using product scarcity as a driving force. According to research, product scarcity captures consumer interest, enhances the product's perceived value, and promotes innovative product usage.

Systems architecture

Ziemann, Jörg (2022), Ziemann, Jörg (ed.), "Enterprise Architecture in a Nutshell"; Fundamentals of Enterprise Architecture Management: Foundations for

A system architecture is the conceptual model that defines the structure, behavior, and views of a system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviors of the system.

A system architecture can consist of system components and the sub-systems developed, that will work together to implement the overall system. There have been efforts to formalize languages to describe system architecture, collectively these are called architecture description languages (ADLs).

Derivative (finance)

likelihood that a corporation will default on its debts. In a nutshell, there is a substantial increase in savings and investment in the long run due

In finance, a derivative is a contract between a buyer and a seller. The derivative can take various forms, depending on the transaction, but every derivative has the following four elements:

an item (the "underlier") that can or must be bought or sold,

a future act which must occur (such as a sale or purchase of the underlier),

a price at which the future transaction must take place, and

a future date by which the act (such as a purchase or sale) must take place.

A derivative's value depends on the performance of the underlier, which can be a commodity (for example, corn or oil), a financial instrument (e.g. a stock or a bond), a price index, a currency, or an interest rate.

Derivatives can be used to insure against price movements (hedging), increase exposure to price movements for speculation...

Integrated modification methodology

Categories. In a nutshell they are types of emergence that show how elements come to self-organize or to synchronize their states into forming a new level

Integrated modification methodology (IMM) is a procedure encompassing an open set of scientific techniques for morphologically analyzing the built environment in a multiscale manner and evaluating its performance in actual states or under specific design scenarios.

The methodology is structured around a nonlinear phasing process aiming for delivering a systemic understanding of any given urban settlement, formulating the modification set-ups for improving its performance, and examining the modification strategies to transform that system. The basic assumption in IMM is the recognition of the built environment as a Complex Adaptive System.

IMM has been developed by IMMdesignlab, a research lab based at Politecnico di Milano at the Department of Architecture, Built Environment and Construction...

Quantum information

Research at Princeton: 12-17. Mahan, Gerald D. (2009). Quantum Mechanics in a Nutshell. Princeton: Princeton University Press. doi:10.2307/j.ctt7s8nw. ISBN 978-1-4008-3338-2

Quantum information is the information of the state of a quantum system. It is the basic entity of study in quantum information science, and can be manipulated using quantum information processing techniques. Quantum information refers to both the technical definition in terms of Von Neumann entropy and the general computational term.

It is an interdisciplinary field that involves quantum mechanics, computer science, information theory, philosophy and cryptography among other fields. Its study is also relevant to disciplines such as cognitive science, psychology and neuroscience. Its main focus is in extracting information from matter at the microscopic scale. Observation in science is one of the most important ways of acquiring information and measurement is required in order to quantify the...

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