



CSI eNewsletter

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5 Steps to Successful IT Consolidation and Virtualization

The reasons to consolidate and virtualize IT infrastructure are wide-ranging. While most IT managers focus on just the cost of the physical IT infrastructure, there are many additional benefits that can be derived from IT consolidation such as: Simplified management; Improved data protection; Improved resource utilization; Easier revision control; Easier data protection and security; More flexibility and Reduced server and software costs. This paper at <http://bit.ly/beO2e6> lays out 5 steps to successful IT consolidation and virtualization projects. While you'll still be doing the hard work of actually implementing the new infrastructure, following these steps will enable you to make sure that you've covered all the issues in order to ensure that your organization experiences the full benefits of IT consolidation.

Taking Control of the Cloud for Your Enterprise - Addressing Security, Visibility, and Governance Challenges

This paper at <http://bit.ly/at6IJB> is intended for Enterprise security architects and executives who need to rapidly understand the risks of moving business critical data, systems, and applications to external cloud providers. The concept of a dynamic security perimeter is presented to help explain how to address: Insecure APIs, multi-tenancy, data protection, and tiered access control for cloud.

Book Excerpt: Four key principles of personal innovation

People can be innovative in their work, no matter what their job. Robert B. Tucker explores four key principles of personal innovation in this excerpt from his new book, Innovation is Everybody's Business. Read it at <http://bit.ly/b8zzVj>

The New Application Delivery Networking Handbook

Application delivery is critical to a well functioning data centre, branch office and traveling and telecommuting employee. It is being recognised as a key component to a successful cloud computing strategy. But what is Application Delivery Networking? The simple answer is that it is collection of functions and services that allows applications to run more efficiently. Discover eight characteristics to choose an application delivery solution presented in the 113 pages handbook at <http://bit.ly/c0jGZJ>

The Journey to the Private Cloud – Taking the First Steps

If you want to take the journey to the private cloud this IDC report will show you how to take the first steps. It reveals the four stages you must follow to build the data centre of the future. It demonstrates how to implement the big picture. And it shows the challenges and opportunities for your organisation in 2011. Read the EMC supported report at <http://bit.ly/afReXs>

Video: BPM: Top Seven Architectural Topics in 2010

Hajo Normann, a SOA/BPM architect at HP Enterprise Services, in this 43 minutes video presentation at <http://bit.ly/9x0eMv> details on how to design a BPM/SOA solution including: modeling human interaction, improving BPM models, orchestrating composed services, central task management, new approaches for business-IT alignment, solutions for non-deterministic processes, and choreography.

12 programming mistakes to avoid

Read these dirty dozen of application development pitfalls -- and how to avoid these all-too-common programming blunders at <http://bit.ly/eHQQ5d>

Tutorial: Towards 4G - Technical Overview of LTE and WiMax

The current 3rd generation cellular wireless systems are evolving into 4th generation. As a pathway to 4G, 3GPP is currently developing Long Term Evolution (LTE) standard and IEEE 802.16-based WiMAX is also gaining attention as a 4G solution. In this tutorial, we first survey the underlying techniques of the 4G systems such as OFDMA, SC-FDMA, MIMO, fractional frequency reuse (FFR), and fast multi-carrier resource scheduling. Then, we give technical overview of 3GPP LTE and WiMAX. Specifically, we describe the system architecture, physical layer, and MAC layer of each system, including LTE-A and IEEE 802.16m. Access this 3 hrs 41 min. tutorial at <http://bit.ly/ff7vmr> (limited time offer)

Privacy and Security for Online Social Networks: Challenges and Opportunities

Online social networks such as Facebook, Myspace, and Twitter have experienced exponential growth in

recent years. These OSNs offer attractive means of online social interactions and communications, but also raise privacy and security concerns. In this article we discuss the design issues for the security and privacy of OSNs. We find there are inherent design conflicts between these and the traditional design goals of OSNs such as usability and sociability. This paper at <http://bit.ly/epKaTu> (limited time offer) presents the unique security and privacy design challenges brought by the core functionalities of OSNs and highlights some opportunities of utilizing social network theory to mitigate these design conflicts.

News from the Communications Industry

This compilation provides access to various interesting news items appeared in different sources. Access the 2010 Dec items focusing on cloud networks at <http://bit.ly/i7WOFQ> Access the 2010 Nov items focusing on LTE at <http://bit.ly/hHlo8C> Also access the 2010 Sep items focusing on eco-friendly communications at <http://bit.ly/iheftM>

Cloud Computing: 2011 Predictions

It's been an incredibly interesting, exciting, and tumultuous year for cloud computing. But, as the saying goes, "you ain't seen nothin' yet." Next year will be one in which the pedal hits the metal, resulting in enormous acceleration for cloud computing. One way to look at it is that next year will see the coming to fruition of a number of trends and initiatives that were launched this year. This article at <http://bit.ly/euqFbG> lists the predictions for cloud computing in 2011.

The Best Motivational Videos of 2010

One of the great challenges in selling is keeping motivated. Many top salespeople use motivational books and tapes to keep themselves in the right attitude for success. However, I believe that motivational videos are more effective because they communicate through both your eyes and your ears. Here are the six best motivational videos that were posted on the Internet over the past year. Be Thankful For You DO Have (4.11 minutes); Be Thankful For You DO Have (8.21 minutes); We Are Powerful Beyond Measure (4.19 minutes); Never Stop Believing (2.27 minutes); Overcoming Adversity (2.15 minutes) and You Are a Champion (3.00 minutes). Watch them at: <http://bit.ly/eeuGBZ>

Myths and Facts of PC Slowdowns

In this white paper at <http://bit.ly/gaAKVR>, iolo technologies shares its extensive research on the Nine Root Causes of PC Slowdowns, and its innovative, award-winning methods for keeping all nine from impacting the productivity of your business.

Opportunities of study in cyber security

This article <http://bit.ly/gJ35jn> at list the courses that train computer professionals who can ensure appropriate steps in the design, development, operation, and maintenance of security systems.

Books

Brief review of books useful to both students and professionals are included under this column. The publishers -- Oxford University Press and Shroff Publishers & Distributors Pvt Ltd have come forward to present the books to the winners of the Info Quiz. Other publishers are offering special discounts for our readers.

Supply Chain Management: Process, System, and Practice (Book with a CD: A comprehensive book for the IT professionals and Management students and practitioners to get familiarized with the fundamentals of SCM and the approaches to achieve excellence. The coverage includes: Overview of SCM, key concepts, structure and decision hierarchies, and supply chain flows, global supply chain, supply chain models, IT applications, supply chain organizational issues and approaches to assessment and excellence. Each of the 19 chapter starts with learning objectives and ends with a summary, key terms defined, concept review and critical thinking questions, references. Additionally, project assignments and case studies make the book very useful. An entire chapter, devoted for case studies relating to the implementation of SCM in 15 companies significantly enhances the understanding of the subject. The accompanying CD has the audio interviews of SCM professionals and Excel snapshots with formulae based on supply chain planning, network decision making and transportation. Author: N. Chandrasekaran. Published by: Oxford University Press. Pages: 664+xvi. Price: Rs.425/- More about the book at <http://bit.ly/geS47t> (This book is being given as a prize to the Info Quiz Winners)

Mobile Computing: Aimed as text book for the students of CSE, ECE and IT, this book can also be used by professionals as a reference. Covers basic concepts of mobile computing and communication including 2G, #G systems, mobile IP, mobile TCP, databases in mobile systems, data caching methods, dissemination and synchronization, protocols such as Bluetooth, IrDA and ZigBee, data security, mobile and ad hoc wireless sensor networks, OS and programming languages for mobile devise. Review & Objective Type questions and keywords defined are useful in understanding the coverage. Author: N. Raj Kamal. Published

by: Oxford University Press. Pages: 582+xiv. Price: Rs.350/- More about the book at <http://bit.ly/eQOEJH>
(This book is being given as a prize to the Info Quiz Winners)

LAMP programming for Professionals (Book with CD & DVD): This book helps the beginners, intermediate and professional developers to learn web based, application development, using Apache as the Web server, PHP as the programming language, MySQL as the data store, all mounted on the Linux OS. It also demonstrates a step-by-step guide to developing a few Web applications [using PHP 6 & MySQL 5.4 under Apache 2.2] The major sections include: All About The LAMP, Setting Up The LAMP Environment, Understanding The MySQL Database, Understanding The PHP Language, Application Development and Linux On Virtual Machine. The accompanying CD-ROM & DVD Contains Setup files for Apache Web Server 2.2.13, MySQL 5.4, PHP 6.0 [Development Snapshot], ICU 4.2.1, PHP 5.3 [Stable Release], phpMyAdmin 3.2.2. Video Footage covering LAMP Installation. Source code for the examples covered in the book. Authors: Sharanam Shah and Vaishali Shah. Published by: Shroff Publishers & Distributors Pvt Ltd. Pages: 1204+ xxxii. Price: Rs. 850/- More about the book at <http://bit.ly/hZimH3>
(This book is being given as a prize to the Info Quiz Winners)

Enhancing Soft Skills: An useful book for both students and professionals since for employability, having good soft skill is considered to be very important. This book covers various aspects of soft skills such as self development, self esteem, building self confidence, values and belief systems, personal goal setting, career planning, listening skills, group discussion, interviewing, body language, public speaking, presentations, written communication dealing with technical writing – tech reports, project reports, brochures, newsletters, tech articles, manuals, official and business correspondences, memos, event reporting, business ethics, telephone etiquette, managing time, practicing meditation, improving personal memory and study skills. Author: Dipali Biswas. Published by: Shroff Publishers & Distributors Pvt Ltd. Pages: 328+ xii. Price: Rs. 375/- More about the book at <http://bit.ly/fHjJtX> (This book is being given as a prize to the Info Quiz Winners)

Successful Interviewing and recruitment: This book, packed with practical information will serve as a guide to choose the right person for a given job by teaching how to structure the interview, spot exceptional candidates and hire the best. It also helps in guiding one on questions to ask and not to ask, challenging and treating the candidates fairly. Author: Dr. Rob Yeung. Published by: Kogan Page. Distributed by Viva Books Pvt Ltd. Pages: 192+ viii. Price: Rs. 160/- More about the book at <http://bit.ly/f1FP2Q>

Automation Testing: This book starts with the introduction of different types of testing and their relevance and deals with manual testing and requirements for developing cogent test cases that integrate with an automated testing framework. Good coding standards and approaches to automated testing using QTP – Quick Test Professional, a testing application from HP as an automation tools is dealt in detail along with programming concepts that enhances productivity. This book is aimed at testing professionals and those intend taking testing as a profession. Author: Saurabh Chandra. Published by: Tata McGraw Hill. Pages: 278+ xxii. Price: Rs. 495/- More about the book at <http://bit.ly/eOK3in> IEEE & CSI members can get a discount of 20% and free courier shipment within 3 working days on placing the direct orders with the publisher's representative Mr. Suman Kumar Datta at suman_datta@mcgraw-hill.com

Quotes of Thomas A. Edison

- Discontent is the first necessity of progress.
- Genius is one percent inspiration and ninety-nine percent perspiration.
- I have not failed. I've just found 10,000 ways that won't work.
- I never did a day's work in my life. It was all fun.
- Just because something doesn't do what you planned it to do doesn't mean it's useless.
- There is no substitute for hard work.
- There's a way to do it better - find it.
- To invent, you need a good imagination and a pile of junk.
- What a man's mind can create, man's character can control.
- What you are will show in what you do.
- Opportunity is missed by most people because it is dressed in overalls and looks like work.

Interesting Laws

- **Attorneys Operating Principle:** Any simple idea must be worded in the most complicated way.
- **Avery's Observation:** It does not matter if you fall down as long as you pick up something from the floor while you get up.
- **Baruch's Observation:** If all you have is a hammer, every problem looks like a nail.
- **The Cardinal Conundrum:** An optimist believes that we live in the best of all possible worlds. A pessimist fears that this is true.

- **Chisholm's Second Law:** When things are going well, something will go wrong.
- **Bernstein's First Law:** Buttered bread tends to fall with the buttered side down.
- **Bernstein's Second Law:** A falling body always rolls to the most inaccessible spot.
- **Beckhap's Law:** Beauty times brains equals a constant.
- **IBM Pollyanna Principle:** Machines should work. People should think.

ICT News Headlines & Briefs

- TRAI takes a tough call on telemarketers.
- Only 70% of mobile subscriber base is active.
- Revenues of IT cos 'on track' to exceed \$70 b – NASSCOM.
- EU Competition Commission to launch investigation into Google's practices.
- The Rs 8,846-crore endowment to come from Mr Azim Premji's share transfer to an "irrevocable" trust will be used to fund various social, not-for-profit initiatives, including the Azim Premji University.
- Capgemini BPO's India headcount set to touch 6,000 by next year.
- Software education not that good in India, says Kaspersky CEO.
- Apex court flays Raja again for 'over-ruling' PM's advice.
- Nokia installs a server in India that will enable law enforcement agencies to intercept email, messenger services and other data sent through Nokia devices.
- TCS launches first BPO centre in the Philippines.
- GSM, not CDMA, ringing in growth for RCom, Tata Tele.
- SAP launches an analytic software — the SAP High-Performance Analytic Appliance (SAP HANA).
- KPMG survey on data security and privacy in the Indian BPO industry reveals that there is a lack of clarity among organisations regarding their liability under the IT Amendment Act, 2008.
- Various airlines are looking at offering Internet services so that the time spent on flights is not wasted.
- RCom unveils mobile data portal.
- Airlines to upload fares on Web sites.
- Information security spend to rise in India -- E&Y.
- The predominant presence of small and medium IT companies in the State will make Kerala the hardest hit if the Software Technology Parks of India (STPI) scheme is allowed to expire in March 2011.
- 2010-11 software exports to rise 10% at Rs 2.6-lakh cr -- Minister of State for Commerce and Industry, Mr Jyotiraditya M. Scindia.
- The Telecom Regulatory Authority of India will float a fresh consultation paper on regulating value-added services (VAS) that include caller tunes, ring back tones and various applications offered on mobile phones.
- CBI searches premises of Raja and former DoT officials.
- TRAI draws up Rs 60,000-cr broadband plan to reach every village.
- Salesforce.com rolls out cloud enterprise database.
- Firstsource may announce lay-off in UK call centre.
- Intel working on 'powerful' security technologies.
- AMD's India-made chip to make netbooks, tablets thrice as powerful.
- HP ties up with IIIT-B for network university.
- IT/ITeS cos in TN SEZs attract Rs 5,000-cr investment.
- IBM keen to expand into tier-3 cities. Targets to expand its reach to 45 cities by 2013.
- Cloud adoption on the rise in Asia-Pacific, according to an online survey by Springboard.
- IT companies back to aggressive hiring.
- Cognizant offers jobs to 1,643 VIT University students.
- Huawei to invest \$2 billion in India over 5 years.
- European crisis: Wipro says no big impact on IT industry.
- DoT seeks US know-how for monitoring communication networks.
- Google bets big on mobile Net usage.
- Intel to launch new chip next month.
- Infosys Technologies has plans to recruit 40,000 people in the 12 months ending March 2011.

Announcements

- For CSI Calendar of Events, pl. visit <http://www.csi-india.org/web/csi/csicalendar-november10>
- Read the recent issue of CSI Student Centric ePublication "Adhyayan" at <http://www.csi-india.org/web/csi/adhyayan-october2010>

- Project Proposals are invited from faculty Members and Students under the scheme of R&D Funding for the year 2010-11 by CSI. For details, visit www.csi-india.org
- To join CSI as a member, pl. visit <http://www.csi-india.org/web/csi/membership>
- If you are interested in talking on your area of competence at CSI chapters, pl. register as a distinguished speaker at <http://www.csi-india.org/web/csi/email>
- To get the conf. proceedings of IFIP Networking 2010: International Conference on Networking hosted by IIT Madras and CSI during 10-14, May 2010, pl. contact Mr. S. Ramasamy at sypsys@md5.vsnl.net.in

IT Events: Call for Participation & Call For Papers:

- CONSEG-2011: International Conf. on Software Engineering. 17-19, Feb 2011 at Bangalore. www.conseg2011.org
- NCCSE-2011: 2nd National Conference on Computational Science and Engineering. 4-5, Feb 2011 at Kochi. Email: mca.rajagiri@gmail.com / jayamahesh99@yahoo.co.in Last date: 30th Dec 2010. www.rajagiri.edu
- NCISE-2011: 3rd National Conference on Information and Software Engineering. 18-19, Feb 2011 at AVIT, Chennai. Contact: Dr. A. Anthony Irudhayaraj, Cell: 09443884732, Email: ncise2011@gmail.com Last date: 21st Dec, 2010. [www.http://ieeecs-ncise.com/](http://www.ieeecs-ncise.com/)
- NCVESCOM-11: 4th National Conference on VLSI, Embedded Systems, Signal Processing and Communication Technologies. 7 –8, Apr 2011 at Chennai. www.avit.ac.in
- ACC-2011: International Conference on Advances in Computing and Communications. 22-24, Jul 2011 at Kochi, India. www.acc-rajagiri.org

InfoQuiz–2010-12-16 (Six Prizes to Win – Four Books and Two Awards of Rs. 500/- each)

1. Name the whistle blowing website which was in the news recently.
2. Name the Indian IT czar who has recently has committed about \$ 2 billion for philanthropy.
3. The tablet ----- is claimed to be the India's answer to iPad from Apple.
4. Identify company whose tagline is "We Secure the Internet"
5. ----- is the first Indian state to have implemented the Mobile Number Portability (MNP)

Email your answers by **28th Dec 2010** to csi.infoquiz@gmail.com with subject "**infoquiz-2010-12-16**". Please provide your name, designation, company/institution, full postal address (to send the prize) and the contact phone nos. after the answers. The first person to answer correctly and one randomly selected lucky winner will be awarded Rs. 500/= each by **SRA Systems** (www.srasys.com). **Oxford University Press** (<http://www.oup.co.in>) & **Shroff Publishers & Distributors Pvt Ltd** (<http://www.shroffpublishers.com>) will present the books (Supply Chain Management: Process, System, and Practice - Book with a CD & Mobile Computing & Software, LAMP programming for Professionals - Book with CD & DVD), Enhancing Soft Skills) whose brief review appear in this issue. In all, there will be SIX prizes – TWO cash prizes of Rs. 500/- each and FOUR prizes of one book each. Answers along with the winner info will be published in the next issue.

Answers & Winners of InfoQuiz-2010-12-01

- F.C. Kohli, www.trueknowledge.com, The Social Network, HCL, Hal Abelson, Ken Ledeen & Harry Lewis
- Awards of Rs. 500/= each from SAR Systems: Mr. K. Siva Ganesh from Chennai and Ms. S. Jayashree from Bangalore.
- Books from Oxford University Press: "Distributed Computing" to Ms. P.Jansi Rani from Chennai & "Software Testing " to Mr. Sanjay Jain from Gwalior.

About the CSI-eNewsletter

CSI-eNewsletter is a compilation of information from different sources which would be of interest to ICT professionals, academicians and students and published on 1st and 16th of every month. While adequate care has been taken to ensure the accuracy of links provided, we do not accept any liability. For the archives of this newsletter, pl. visit <http://www.csi-chennai.org/csi-enl/csi-enl-archives.htm> or at <http://www.csi-india.org/web/csi/archives>

Contributions to CSI-eNewsletter

Readers are welcome to contribute to the eNewsletter by sharing interesting information they come across and also provide feedback, by emailing us at hrmohan.csi@gmail.com

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