Why Enterprises Choose Private Cloud: If designed and provisioned properly, cloud deployments can lower capital and operating costs, increase flexibility, and improve service levels. Private cloud deployments are particularly important because they increasingly represent an enterprise's first step toward the ultimate goal of dynamically matching IT service demand with IT service supply; a concept Gartner termed "real-time infrastructure" in this report. Download this Internap sponsored report from http://goo.gl/k3UYd and learn key questions and answers companies should know before deploying a private cloud.

Video: Not Your Father's Internet: In 1998 Americans represented nearly three quarters of all Internet users; today they are less than fifteen percent. The complexion of the Web - its users, their desires, their languages, points of entry and experiences - has subtly and not-so-subtly changed. All these new online participants bring with them different values, social norms, and styles of expression. Today's Internet is increasingly a reflection of the world's cultures and its governments, which often have very different ideas about how to shape what happens online. In this 1 hr 23 min video at http://goo.gl/6pvLx, one can view an engaging discussion by experts about the changing face of the Internet.

Video: How Indian MIT and IIT Graduates Have Shaped Computer History: In the last fifteen years the very names Bangalore and Silicon Valley have become evocative of the important connections between India and the United States in the global IT industry. Historian Ross Bassett argues that the linkages between the two countries are far older and deeper than is widely known. In the course of his research, he found that Indian graduates of MIT significantly influenced the creation of modern technological India. The Indian IT industry today is to an astounding degree the product of Indian graduates of MIT. Since 1965, Indian graduates of MIT and graduates of IIT have also played an increasingly important role in American technology and computing. This 1 hr 21 min lecture at http://goo.gl/eQ717 features Dr. Bassett and T.M. Ravi an IIT graduate, Silicon Valley businessman, and member of TIE discussing the roots of the Indian IT industry and its influence on the computing history.

Cloud Hosting Buyer's Guide: Organizations are no longer asking "if cloud," but "which cloud?" Whether you've already deployed a cloud solution or you are looking to move to the cloud, you'll find this buyer's guide essential to mapping a cloud strategy that's right for your business. This buyer's guide at http://goo.gl/lWvbR features an overview of public, private, and hybrid cloud solutions, quick stats for making your business case and 7 key criteria you should consider when evaluating vendors.

The New Workplace: Are you Ready? Implications for IT managers: Today's workplace is no longer a static physical place we travel to in the morning. Instead it has become any place where employees can get work done, be it the home office, a local café, the train or on the road – from a variety of devices from laptop to tablet to smartphone. The expectation now is that work comes to us instead of us going to work. This white paper at http://goo.gl/Jeplu examines the changing nature of the workplace and the demands it places on IT managers for faster delivery of high-quality, flexible services while providing a quick return on IT investment. This change in the workplace is driving a relentless pursuit of improvements in employee productivity, faster methods for application delivery and the general rapid response from the IT department. The change is not about faster chips, CPUs or networks; it is about the need to deliver business value faster from all IT investments. In today's workplace IT managers are expected to do more with less, and do it faster with no reduction in quality.

The Future of Security: The single most important trend in security in the next ten years will be the integration of various security elements such as information security, physical security and integrated systems security into a single security function. The development of this trend can already be seen in the increase in the number of Chief Security Officers (CSO), elevating the security director to a "C-Level" position alongside the CEO, CIO and COO. Chief Security Officers are appearing in companies like Oracle, Hewlett-Packard, Microsoft, and General Electric. Read this whitepaper at http://goo.gl/kie77

Any Device, Anywhere: The Next Phase for the Enterprise: When employees are empowered to work from anywhere using any device, a business' global reach is extended. The network can also increase workforce productivity. Virtualization and cloud computing increase IT flexibility, enabling IT to say "yes" to more business initiatives. This whitepaper at http://goo.gl/XzmsK shows how an intelligent network can help make your business more agile by empowering employees to work anywhere, on any device.

A new era of collaboration: For the first time, it is possible to create IT-based solutions thatare flexible, timely and able to be tailored to short-term business needs. There's a catch, however: To tap into the true power of this next generation of solutions, companies need to collaborate across a broader business and IT ecosystem. Read the full article at http://goo.gl/ln6qR

Future Information Management Trends: Information 2015 - Reforming the Paradigm: Organizations need the right information at the right time to make accurate decisions and to optimize business processes. Yet the role of information, and the way an organization's employees interact with that information, is rapidly changing. Working with forecasting consultancy Z_punkt, Accenture evaluated the key trends that will shape information practices in the near future and developed scenarios of how workers will use information in 2015. Read the report at http://goo.gl/ms7CG

Better Information Management Leads to Better Internal Security: Internal security agencies around the world are tasked with developing pursuable leads from a mountain of data that is often incomplete and imperfect, so analysts waste valuable time on dead-end leads and fail to capitalize on essential information that might enrich a critical investigation. This report by Accenture and the Confederation of Indian Industry (CII) shows that by implementing intelligence-led law enforcement—a proven model of internal security management in which information serves as a guide to operations—security agencies can leverage advanced IT-based information gathering and analysis platforms for integrated knowledge modeling, link analysis and discovery. This innovative investigative capability merges strategy, process and technology to improve the quality and reliability of knowledge discovery. This report at http://goo.gl/Zn3mh offers insights on how information management can be strengthened to protect national interests and safeguard citizens in the face of significant security threats.

A rising role for IT: McKinsey Global Survey results: In the sixth annual technology survey by McKinsy, executives say their companies are boosting IT spending and adopting new technology platforms to support innovation. Read the survey findings at http://goo.gl/jrc8U

Eight business technology trends to watch: Eight emerging trends are transforming many markets and businesses. Executives should learn to shape the outcome rather than just react to it. Read them at http://goo.gl/Z8PaM

Electronic Medical Records: Meeting the Compliance Challenges: New rules about "meaningful use" of electronic medical records (EMR) are challenging health care organizations. These six best practices can support regulatory compliance and more cost-effective EMR implementation. Read the full article at http://goo.gl/REg0N

The Economics of Networking: When considering network purchases, TCO is a better criterion than CapEx to assess network cost because it considers the full impact on IT spend, including CapEx, services, labor, bandwidth, and energy. A quality network delivers business benefits beyond TCO, including improved network uptime, higher user productivity, and a lower threat of security breaches. Read the CISCO whitepaper at http://goo.gl/Pzpx9

The Seven Intelligences: Enhance Six Sigma Training: Master Black Belts drive the evolution of a company's Six Sigma deployment. They are trainers, mentors, project leaders and implementation guides. As such, Master Black Belts need to understand the different learning styles of adults. In his book Frames of Mind: The Theory of Multiple Intelligences (Basic Books, 1993), Howard Gardner suggests that every person has a unique combination of multiple intelligences. Understanding what these intelligences are gives people greater insight into their own learning style, as well as the style of others, which can help them better communicate lessons about Six Sigma. Read the full article at http://goo.gl/BbRQB

Audio & Video formats simplified: Audio and video formats usually have confusing names. Karan Bajaj & Hitesh Raj Bhagat offer some clarity at http://goo.gl/WLKx2 on the various types and what they're commonly used for.

Predicting the Future of Computing: Since no supercomputer can yet predict the future, The New York Times needs your help. Readers are invited to make predictions and collaboratively edit the timeline appearing at http://goo.gl/H3A9X , which is divided into three sections: a sampling of past advances, future predictions that you can push forward or backward in time (but not, of course, into the past), and a form for making and voting on predictions. The most prescient prophet might receive an iPad 2 in 2050. But if the past is any guide, this prediction will almost surely be wrong.

Creating Artificial Intelligence Based on the Real Thing: Ever since the early days of modern computing in the 1940s, the biological metaphor has been irresistible. The first computers — room-size behemoths — were referred to as "giant brains" or "electronic brains," in headlines and everyday speech. As computers improved and became capable of some tasks familiar to humans, like playing chess, the term used was "artificial intelligence." DNA, it is said, is the original software. Read the full article at http://goo.gl/MKzsk

Video: The Toilet of Tomorrow? An expensive new toilet from Kohler offers features that most people never realized their own toilets were missing. Watch this video of about 3 min at http://goo.gl/bOvS0

Key Trends for 2012 - New Era of Personal Learning is Transforming the Training Industry: You may not have noticed, but a new era is quietly dawning on the training industry. It represents a change that is both profound and permanent. For the very first time, learners have the ability to take control of his or her own learning experience. Read the full article at http://goo.gl/UYgD2

Interesting One Liner

- Marriage is one of the chief causes of divorce.
- Work is fine if it doesn't take too much of your time.
- When everything comes in your way you're in the wrong lane.
- The light at the end of the tunnel may be an incoming train.
- Born free, taxed to death.
- Life is unsure; always eat your dessert first.
- Smile, it makes people wonder what you are thinking.
- If you keep your feet firmly on the ground, you'll have trouble putting on your pants.
- The trouble with being punctual is that no one is there to appreciate it.
- In a country of free speech, why are there phone bills?
- Beat the 5 O'clock rush, leave work at noon!
- If you can't convince them, confuse them.
- I couldn't repair your brakes, so I made your horn louder.
- Hot glass looks same as cold glass. - Cunino's Law of Burnt Fingers
- Whenever I find the key to success, someone changes the lock.
- To Err is human, to forgive is not a Company policy.
- The road to success.... Is always under construction.
- All the desirable things in life are either illegal, expensive, fattening or married to someone else.
- Every person is a FREEDOM FIGHTER....Immediately after Marriage!!

Common words with opposite meanings

The English language is full of words with uncommon properties. These are words called as contranyms, -- words that are spelled the same, but have two opposite meanings. They are also known as Janus words, named after the Roman god of gates and doorways and of beginnings and endings.

- **Oversight.** It can mean watchful care or an error or mistake. Example: Barry's oversight of the website led to the oversight in spelling.
- **Cleave.** It can mean to join (as in "cleave unto") or to separate or divide. Example: Seeing that the two sentences were cleaved together, I cleaved them with a semicolon.
- **Garnish.** It can mean to add something to or take away from. Example: Troy's use of unnecessary adjectives to garnish his prose led to the decision to garnish his wages.
- **Refrain.** It can mean to hold back, restrain, or to repeat. Example: Please refrain from adding a refrain to that poem.
- **Root.** It can mean to pull up or to get something to take root. Example: We need to root out your poor writing practices before they take root.
- **Sanction.** It can mean to prohibit or to allow. Example: You are hereby sanctioned from writing for any of our sanctioned publications.
- **Weather.** It can mean to withstand or to wear away. Example: That weathered, hackneyed phrase has weathered the approval process and will now appear in the press release.
- **Bolt.** It can mean to run away or to secure. Example: Bolt the door to your office or someone may bolt with your laptop.
- **Trim.** It can mean to remove from or to add to. Example: Trim that jargon from your press release so you can trim it with action verbs and meaningful descriptors.
- **Resign.** It can mean to give up, quit, or sign on again. Example: Use a hyphen if you want to re-sign, otherwise you might resign by mistake.

Announcements
- 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

ICT Events
- ICSIVP: International Conference on Signal, Image and Video Processing. 13-15 Jan, 2011 at IIT Patna CSI Patna Chapter, Div IV, Div II. Contact Dr. Maheshkumar H. Kolekar mahesh@iitp.ac.in
- COMPUTE-2012. Intelligent & Scalable System Technologies. 1st Annual Conference of ACM Pune Professional Chapter. 23-24, Jan 2012 at Pune. More details at: http://pune.acm.org/ACMCompute2012/compute2012.php
- Emerging Trends in Information and Communication Technologies. 3-4, Feb 2012 at Hyderabad by Guru Nanak Institutions with CSI Div IV and Hyderabad Chapter. Contact: Dr. D.D. Sarma csignis@gmail.com

- ISEC 2012: 5th India Software Engineering Conference. Feb 22-25, 2012 at IIT Kanpur. For details visit: http://www.csi-sigse.org/isec2012/
- 7th National Conference on "Advancement of Technologies – INFORMATION SYSTEMS & COMPUTER NETWORKS". 3-4, Mar 2012 at Mathura, U.P. by Dept. of Computer Engineering & Applications, IET,GLA University with CSI – Div IV & Region-I. Contact: Mr. Dilip Kumar Sharma iscon12.cea@gla.ac.in www.gla.ac.in/iscon12
- ERC-2011-12: Eastern Regional Convention. 5-7, Mar 2012 at Bhubaneswar. Theme : Cloud Computing: Facilitating Collaboration Transformation & Growth by C.V. Raman College of Engineering along with CSI Cuttack chapter, Div IV & region IV. Contact: Mr. S. P. Nanda, 91- 9861425122 , csi.cvrce.it@gmail.com Web: www.cvrgi.edu.in
- NCISE-2012: National Conference on Information and Software Engineering. 9-10, Mar 2012 at Chennai. Organised by Dept. of IT, Aarupadai Veedu Institute of Technology in association with IEEE Madras Section, IEEE Computer Society. Contact: Dr. Anthony Irudhayaraj, Phone: +91-9443884732, +91-9962735582 Email: ncise2012@gmail.com, Web: www.ieeecs-ncise.com
- RACSS-2012: International Conference on Recent Advances in Computing and Software Systems. 25 – 27, Apr 2012 at Chennai. Organized by the Dept. of CSE, SSN College of Engineering, Chennai in association with IEEE Madras Section, IEEE CS, CSI Chennai Chapter & Div IV. Contact: Dr. Chitra Babu. Phone: +91-44-27469700, Email: racss2012@cse.ssn.edu.in Web: http://www.racss2012.com

ICT News: Voices & Views

- Phone will replace as the single-point identity and address of people. -- Mr Joseph J. Atick, Dy. EVP of the $14-billion French firm Safran
- India's Internet users crossed 100 m in Sep 2011, a growth of 13% against last year.
- Among India's cities, Mumbai (6.2 m) had the highest number of active Internet users, followed by Delhi/NCR (5 m), Kolkata (2.4 m) and Chennai (2.2 m). IT city Bangalore with 1.7 m had the same number of users as Ahmedabad, while Hyderabad (1.8 m) had marginally higher users.
- SMBs in the future may contribute $700 b to the GDP and even if 2% ($14 b) could be tapped by Indian IT product companies, it will be a sizable market. – Nasscom
- Bureaucracy in IT service companies as they grow larger is reducing customer satisfaction. -- Wipro's ex-Vice-Chairman Mr. Vivek Paul.
- The growth outlook for the domestic IT market is 15-17% at Rs 90K-92K cr for the current year. – Nasscom
- IT spending in India is projected to total $79.8 b in 2012, against $73.1 b in 2011. The telecommunications market is the largest IT segment with $54.7 b, followed IT services market at $11.1 b. – Gartner
- The hardware market is projected to reach $10.7 b in 2012, while software spending will total $3.2 b. – Gartner
- Worldwide IT spending will reach nearly $3.7 trillion by end 2011. Of this, emerging economies such as India, China, Brazil and others will account for $1.013 trillion.
- The sale of mobile devices in India will grow 8.5% in 2012 to 231 m units from 213 m last year. – Gartner
- Thailand floods lead to severe shortage of IT products.
- China overtakes US as top smartphone market.
- World's cheapest tablet 'Aakash' receives 3 lakh pre-launch bookings.
- 10x more effective smartphone batteries may soon become a reality.
- Cray Inc. will take over construction of the $300 m Blue Waters supercomputer project, three months after IBM pulled out citing cost and technical concerns.
- The market for BI software forecast to reach $81.5 m in 2012, a 15.6% increase over last year.
- Indian software companies like Flipkart, Makemytrip, InMobi inching close to $1 b valuations

ICT News: Telecom, Govt, Policy, Compliance

- TRAI proposes reducing mobile termination charges from 20 paisa to 10 paisa a minute from Jan 1, 2012 and to nil by 2014.
- TRAI has relaxed the cap on maximum SMS allowed per day to 200 per SIM from100.
- Airtel will start disconnecting subscribers who do not use their phones for more than 60 days together.
- TRAI talks to its counterparts in other countries to lower the international roaming charges.
- New mobile radiation norms – SAR at 1.6 watt / kg in the offing in India.
- Sabeer Bhatia, co-founder of Hotmail introduces free SMS app.
- Business Software Alliance (BSA), a global non-profit IT alliance, launches certificate for organisations in India which will affirm if a company is using genuine softwares.

ICT News: IT Manpower, Staffing & Top Moves

- Nokia India's MD, Mr D. Shivakumar, has been appointed as the head of the newly created IMEA region comprises of around 90 countries and based out of Dubai.

- Steve Jobs, the founder of Apple passes away at 56. Apples' market capitalization stands at $350 b — larger than the GDP of over 150 countries.
- Dennis Ritchie, computer scientist, creator of the C programming language, co-creator of UNIX OS and a recipient of ACM Turing Award is reported to have died.
- John McCarthy, a noted computer pioneer who had coined the term "Artificial Intelligence" passed away.
- The IT Industry Assn. of AP has asked job seekers to check the veracity of job offers with relevant people in companies keeping in view reports of some fly-by-night operators duping job seekers in the last few months.
- Oracle India plans to add 3,500 people in India.
- The top three listed Indian IT companies now employ an aggregate 4.9 lakh professionals, over 18% higher than the year ago.
- Monster India launches Monster College, an all-India online campus hiring platform.
- LinkedIn is looking to hire infrastructure engineers for operational roles at its new R & D Centre at Bangalore.
- Software AG on expansion spree, to hire 120 next year
- Steve Jobs' biography makes it to top of non-fiction books.
- Satyam's Ramalinga Raju, two others get bail.
- Katrina Kaif 'most dangerous' celebrity in cyber space.

ICT News: Company News: Tie-ups, Joint Ventures, New Initiatives

- Ericsson signs India's 1st ever equipment contract for a wireless broadband network based on 4G TD-LTE technology.
- Wipro Technologies recognized as Asia's Most Admired Knowledge Enterprise (MAKE) winner for the ninth consecutive time.
- The disruption in BlackBerry services has affected more than a million subscribers in India. To offer applications worth $100 for free.
- Google offers free Web site, hosting services for small businesses.
- Google Plus set the stage for companies and brands to create their Web pages and accounts within the social networking site.
- Amazon to invest Rs 500 crore in India.
- Chromebook, a laptop-like device which runs Google's Chrome OS from Google will be available in India in 2012.
- IBM to offer interest free financing on IBM software products to SMBs.
- iGATE to delist Patni by mid-2012.
- Chinese telecom equipment maker Huawei Devices unveils cloud-based phones, smartphones, and the 'MediaPad' tablet.
- VMware has opened a bigger R&D facility at Pune and plans to add 50 people.
- Mr. Cyrus P. Mistry will take over from Mr Ratan Tata as Chairman of the Tata Group who is due to retires in Dec 2012.
- Airtel and Aircel will launch the much-awaited iPhone 4S smartphones in India.
- Honda's human-shaped robot (revamped "Asimo") can now run faster, balance itself on uneven surfaces, hop on one foot, pour a drink and even almost ``think'' on its own.
- Japanese supercomputer "K Computer" has broken its own record as the world's fastest machine by performing 10 quadrillion calculations per second.
- Toyota displayed some experimental robots that can lift disabled patients from their hospital beds or help them walk.
- Microsoft is reportedly trying to buy Yahoo for a second time.

Books

Brief reviews of books useful to students and professionals are included in this column. The publishers -- Oxford University Press, Shroff Publishers & Distributors Pvt Ltd and Tata McGraw Hill Education Pvt Ltd have come forward to present these books to the winners of the Info Quiz.

Homi Bhabha and the Computer Revolution: This book traces the evolution and growth of country's computer industry from the time of Bhabha – who had played a visionary role in the development of diverse branches of science and technology in India. N.R. Narayana Murthy, Nandan Nilekani, Sam Pitroda, F.C. Kohli, and M.G.K. Menon and several leading scientists, policymakers, and industry leaders address indigenous efforts in telecom revolution and how computer and IT can bring about positive changes in our lives. From computerization of services and e-governance to the computer's impact on biotechnology, IT for power infrastructure, and transport—the essays address wide-ranging issues of tremendous topical relevance. In the Foreword, Ratan N. Tata highlighting the country's journey towards self-reliance in IT and telecom states that this volume will appeal to students and teachers of computer science and telecommunications, IT and telecom industry professionals, policymakers, and anybody interested to know more about the India story. Edited by: R.K. Shyamasundar & M.A. Pai. Published by: Oxford University Press. Hardback. Pages: 366+xxxiv. Price: Rs.695/- More about the book at http://goo.gl/2Z9qg (This book is being given as a prize to the Info Quiz Winners)

Services Marketing: The Service sector is the fastest growing sector in all economies around the world. The significant nature of this sector is that change is not only rapid, but is also often discontinuous. Businesses which were the rage some time back have disappeared. New businesses, unknown till now, have become dominant. Services are integral parts of, and are influencing the management and growth of, other sectors of the economy. Naturally, the service business attracts the attention of academicians all the time. Service being a heavily person-oriented business and because individual attitudes and behaviours are influenced by the culture of the environment, the context becomes important. This book tries to incorporate the latest thoughts on the subject and deals with the service sector in the Indian context and draws heavily from a variety of services, to illustrate the concepts. Author: S. Balachandran. Published by: Shroff Publishers & Distributors Pvt Ltd. Pages: 440. Price: Rs. 425/- More about the book at http://goo.gl/RgF4J Readers of CSI-eNL can get this book at 15% discount with free shipping. Contact: rnageswaran@shroffpublishers.com (This book is being given as a prize to the Info Quiz Winners)

Computer Networks: A Top-Down Approach: This networking book follows a top-down approach with presentation beginning with an explanation of the application layer which makes it easier for students to understand how network devices work, and then moves on to discuss the other layers, ending with the physical layer. This book further approaches how application-layer protocols exchange messages before learning how these messages are actually broken into bits and signals and physically carried through the internet. More than 700 figures in the text provide a visual and intuitive opportunity for understanding the subject. The end chapter materials such as summary, further reading, quizzes, questions, problems, lab assignments and programming assignments makes this supplements understanding of the concepts. This book will be useful to both professionals and students. Authors: Forouzan, Mosharraf. Published by Tata McGraw Hill Education Pvt Ltd. Pages: 960. Price: Rs. 495/=. More about the book at http://goo.gl/ztYwK Readers of CSI-eNL can get this book at 20% discount with free shipping. Contact: John_Mathewsindia@mcgraw-hill.com (This book is being given as a prize to the Info Quiz Winners)

InfoQuiz–2011-11-01 (SEVEN Prizes to Win – THREE Books & FOUR Prizes of Rs. 500/- each)

1. Identify the company / product whose tagline is "For Those Who Do".
2. Oct 2011 saw the demise of three well known computer personalities. They are Steve Jobs, John McCarthy and ------.
3. IPv6 Day was observed by Internet Society on ------.
4. Name the forgotten or unknown third founder of Apple along with Steve Jobs and Steve Wozniak.
5. Expand: BYOD

Email your answers by **31ˢᵗ Dec 2011** to csi.infoquiz@gmail.com **with subject "infoquiz-2011-12-01".** Please provide your name, designation, company/institution, full postal address (to send the prize) and the contact phone nos. after the answers. There are eight prizes to win. Two prizes of Rs. 500/= each by **SRA Systems** (www.srasys.com) and two prizes of Rs. 500/= each by **VictoryMind Educare Services**. Other four prizes will be in the form of books which are briefly reviewed in this edition of the newsletter. They are being offered by **Oxford University Press** (www.oup.co.in), **Shroff Publishers & Distributors Pvt Ltd** (www.shroffpublishers.com), and **Tata McGraw Hill Education Pvt Ltd** (www.tmhshop.com/). Answers along with the winner info will be published in the next issue.

Answers & Winners of InfoQuiz-2011-11-01

- Ratware, Aakash, Albert Einstein, Google, State Wide Area Network
- Rs. 500/= from SRA Systems – Mr. R. Jayakanthan (Chennai) & Mr. V. Vineeth (Trivandrum)
- Rs. 500/= from Victory Mind Educare Services – Mr. Srikanth Thalla (Hyderabad) & Mr. Amrut Shenoy (Mumbai)
- Books from Oxford University Press – Ms. S. Priya (Bangalore) & Mr. M. Selva Kumar (Chennai)
- Book form TMH – Ms. Mamta M. Hegde (Pune)
- Book from SPD – Mr. Niranjan S. Satpute (Mumbai)

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