

Beyond the Hype The Year in Cloud... and Strategic Choices Ahead

Frank Gens, IDC John Gallant, IDG Enterprise



Looking back, since last we met..







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Six out of 10 U.S. companies already have at least one application in the cloud, and 71 percent expect to increase

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Five-Year Plans

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In fact, 84 percent of the survey respondents dived hash news continuity as the top basiness triver for their doubt survey and the top basiness triver for their doubt survey as the top basiness triver for their doubt survey as the top basiness triver for their doubt survey as the top basiness triver for their doubt survey as the top basiness triver for their doubt survey as the top basiness triver for the top basiness survey as the top basiness triver for the top basiness survey as the top basiness survey sur

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Microsoft's Exclusion in the cloud as part of his continuity plan. The confect of having completely redundant serv-

What are your expectations for cloud computing over the next five years?

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WIT TO SCHWARE 35 8 SERVICE

Most respondents (64 percent) affred with the state-ment that doub computing will mean higher costs in the

seculars of cloud services in the next 12 months accord-ting to recent DIG Enterprise survey of \$5417 profession-de managing services of re

nent that dond computing out mean higher cost about term, but will save anoney in the long term. set ferm but oll sere noney in the long term fore Saylerwine CIO, Alarence an even manaer

Many LIUS say cloud services are a plus for business continui deployment, but they still worry about security **by LAUREN**

The latest CIO survey shows traditional IT mode cloud when it comes to new technology invest

start

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loud computing is practically mainstream, according to the latest CIO Economic Impact survey of 291 IT leaders. In fact, nearly half (48 percent) of the CIOs surveyed said they have adopted the government's Cloud First policy, which requires agencies to evaluate cloud options first, over traditional IT approaches, before making any new IT investments.

Cloud budgets reflect this shift, with 48 percent of IT leaders putting more money toward cloud, up from 44 percent in November 2010 and 38 percent in August 2010. More than half (53 percent) of CIOs said they expect ; to increase their IT budgets overall, up 5 percent from a year ago.

Roberto Dolci, CIO of manufacturer System Logic tics, moved his company's payroll system to the cloud which he says has increased the business's agility a allowed him to "squeeze more out of the same amo, of money."

However, while Dolci plans to evaluate other q

Top-of-Mind Tech

Respondents lean strongly toward cloud y new Tinvestments.

importantly, how they spend on them.

which pole a 40 CLOs, incluses ina cata center spending is holding steady at about 25 percent of p

terror spectrum gas moning seearly at anous 20 percent of 17 budgets on average but it will gradually shift from a capital

bungers on average, but it will gratunary some room a capital expenditure (capex) to an operational expenditure (capex) of the star destroy de

expensive (capex) to an operational expenditure topex). This is suggested by the finding that CTOs think server

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bare conjustions. Use or stangence an event sum trace show company, says his core data center is currently a show of a standard s

show company, says his core tata context is turry inly a capital expense and accounts for around 20 percent of context of the second second

captum experises and accounts for around 20 percent of his 17 budget. He expects it to become slightly more of an

has IT budget. He expects it to become sugarily more of an operating expense as he explores bringing some customer

sproving security or risk managem

improving quality of products or processes nproving end user productivity

Data Center Spending Shake-Up Survey shows private clouds and server virtualization Survey snows private crouus and server virtualization are driving a shift toward data centers as an operating expense loud and virtualization are changing the

way CIOs look at their data centers and, more

The CIO Data Center Strategies Survey. websites to the cloud. His data center is becoming a higher which polled 416 CIOs, indicates that data priority. "We have more content than ever," he says. sortly. 'We have more content than ever, 'ne says.' Sixty-five percent of those surveyed agree with Snyder-Starty-five percent of those surveyed scree with singular-wine, saying their data centers will become significantly wine, saying men nata cemers will necome significantly more important in the next (wo years, Furthermore, as a source of a start of the source of the source of the start of the source of the source of the start of the start of the source of the source of the start of the source of the start of the source of the start more important in the next two years, rurthermore of percent of CICks said they are very confident that they are the statement devices in some percent or cross state they are very comment that they are making the right data center investment decisions to support their strategy.

number

time is suggested by the finding that (club think server) with a statistic (49 percent) and private clouds (34 percent) or the statistic statistic statistic statistics and the server viringaizzation (or percent) and private coulds to percent) will have the largest impact on their data centers over door new processor resolution and door works wai have the argest impact on their data centers over the next two years. The shift toward data center spending as an inclusion of the second se next two years. The shuft toward data center spending as an operating expense will likely be a gradual one. COs expect ort near strategy. Fifty-eight percent of respondents said they operate their operating expense will likely for a gradual one CLUM experi-opera spending to go Up 7 percent over the next two years when any any and the second Fully eight percent of respondents sam they operate their winduit centers and 43 percent increasingly view them as a to say the same them as the same transmitter the same the s onstation centers and as percent interestingly view them as a strategic asset, compared to \$2 percent who see them as activity out and argument who sets to a strategic assets and argument of the sets of the set of the strategic asset, compared to starperout who see them as the call and 20 percent who think they're transformational. Call and the percent who think they're transformational to the percent percent of the percent set of the p at and 20 percent who think they re transformational. John Panicker, CIO of Texas Gulf Bank, says data cert Jonn Panceer: GU of Texas Gun Rank, says data cen-ters are a popular topic at his company's management and hexad available and available and a fat. ters are a popular topic at the company's management and board meetings. "The strategic plans of the organization are associated by a strategic plans of the organization are court invertiges. The strategic plans or the organization are dynamic," he says, "And the data centers will play a wider ayunnic, ne says, sum me tana venues sum par role in the growth of the company and revenue."





THE BUDGET 24 CO

The march of technology is starting to shake up

new

The way you spend on IT is changing. So is your relationship with the CFO.

BY BILL BULKELEY

CIOs need to start changing the way out the year, CIOs and experts say. Clou changing the nature of corporate IT and This shift is in its early days, but for looking CIOs are beginning to think of selves as providers of services rathe infrastructure. As such, they supervise ing expenditures, not capital expenditur they approach the CFO as partners, not

one of the most important relations

cants, in business-investment decisions Robert Petrie, vice president of IT at Pl ceutical Product Development, which run cal trials for big drug companies, says dee about provisioning new technologies are based on "what makes the most sense from ness standpoint and from a financial stan But thanks to cloud-based infrastructu ware as a service and employee-supplied of these decisions have different budget in tions than they used to, including how I'll nts are governed and we



Lynden Tennison is an entrepreneur. He runs several businesses, including one that sells workforce-management software and another that markets telecommunications bandwidth.

He's also the CIO at Union Pacific. Those software and services that Entrepreneurial **CIOs at Union** Pacific, FedEx and other

Tennison markets? They grew from internal IT projects the \$17 billion railroad company developed for in-house use and then decided to commercialize, bringing in \$45 million to \$60 million in revenue. "We looked around at things and thought, "Hey, we can make some money on that," says Tennison, who has worked at the railroad for more than 18 years, six as CIO. in summer, the idea to sell cool inter Like a lemonade a

Smart companies plan ahead to avoid otchas that can blow yes in their budgets. OB VIOLINO

CLOUD SERVICES



OF CLOUD COMPUTING











'Server Huggers' Slow Cloud Adoption

better spent focusing on business n "The real difference that IT lead make is being able to leverage infor create competitive advantage in the place," Martin said. Six years later, Chipita is still a pion in cloud adoption, and Martin still defend the approach in front of his p "I feel like a lot of CIOs are in the of a kind of empire-building," said Man An IT empire-builder, he said, belig maintaining in-house services he his importance to an employer. Su are "really irrational and not in the ests of the company," Martin adde Forrester Research analyst Jame called Chipita lorward thinking at a when IT executives at many compa ticularly large ones, are "server huße resist cloud deployments. Such IT leade said, "have significant concerns about ongoing value to the company if they run [IT systems] themselves." Staten noted that many CEOs "de anything about technology, so thei adviser is the guy trying to protect h Michael Barr, chair of the business ogy department at The Chicago Sch Professional Psychology, agreed the losing control is one reason an IT ex may shun a move to the cloud. He added that IT executives also fe status would change due to a percep someone managing vendors has a lo than someone managing direct rep Martin, however, argues that by e ing IT tasks "that are becoming c ties," CIOs can focus on being me tive. "For us, that's increasing our using our costs - two things

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leadership and operational excellence

Restaffing for the Cloud When Steel Technologies outsourced its back-office

systems, new IT roles emerged by stephanie overby When Jim Honerkamp was hired as CIO of Steel Technologies has summer, he immediately identi-

field a major problem on the company's IT or schent Columbia and the company's design and the company's IT or schent. Of the 24 technology refersionals employed by the 3.6 builtion processors of flat-rolled steel, oracly half were working in IT infrastructure. The approximation and work of the column and the scheme is the scheme back of the column and the scheme is the scheme back of the column and the scheme back of the column and the scheme is the scheme back of the column and the scheme back of the column an

nerus: ousness-analysis group ma a start or inter. "Infrastructure does not differentiate us in any way, shape or form in the marketplace," says anemic business-analysis group had a staff of three. unrastrusture ases not conference us in any west snape or torm in the marrierbaser, says Honerhamp. To be a strategic IT organization, you have to be delivering value in technology to dis normalistic to be a strange is organization, you have to convertence uncertaining to one other to strengthen customer relationships or to be used as weapons against the competition. All

ne 11 earne-ann n-on-me cuaine a-ann y an aine. One way to life those staffing moreless was to more to an infrastructure as a-service (laaS)m the IT value add is on the business analysis side." Use way to usp these statung numbers was to more to an unnarrowner as a service quast. And it was the perfect time to consider divestiture. Steel Technologies' hardware assets were

petitors – and now d providers — are poaching best IT staffers and job lidates. BY JULIA KING

> AN HERRINGTON says his first inkling of a brewing IT talent war came early this spring, when he noticed that "college kids weren't accepting our offers on the spot." This was a first for Herrington, who is executive sponsor of college recruiting for IT at USAA, a San Antonio-based Fortune 200 insurer and financial services en No. 1 on Computerworld's Best ist for two years in a row,



COVER STORY :: IT Strategy

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Embrace

The CEO has fallen he

and why

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You may not control all of a company's ted

but you still have to manage risk and sav

BY STEPHANIE OVERBY

COVER STORY :: Consumerization



Your users want the freedom to bring their own technology. Here's what you should know before you make a move. BY KIM S. NASH

BYOT, or bring your own technology, is more than code for "my CEO bought an iPad." BYOT refers to a strategy for letting employees choose and purchase the devices they want to use to do their jobs-everything from PCs and laptops to smartphones and tablets. The machines belong to

FROM THE EDITOR | JOHN DIX Build a cloud service

review board nd run: To bypass an impediment often by deceit or trickery. Like it or not, the arrival of cloud means it isn't the only game Later is or not, the arrival or crosso means it is not incoming same in lown anymore. It is increasingly easy for corporate denizers to strate the same PP to not state there. to simply bypass IT to get what they want. The deceit? They simply don't tell you about the services acquired. Some 60% of 573 executives in a recent survey by business technology service provider Avanade say they the unauthorized acquisition of cloud services. Heck, worry about so-called cloud sprawl, the unauthorized acquisition of cloud services, revo. a one in five of this same group say they have "purchased a services and the services account of one in five or this same group say mey nave purchase cloud service without the 17 department's knowledge. No wonder they're worried. No wonder mey re worned. Presumably most of these services are low-end and personal in nature, say



Presumatory most or messe services are low-end and personal in nature, say something like Drophox, a Web service that replicates files from a folder on your something like Dropbox, a Web service that replicates files from a folder on your computer to other devices of your choosing and to the Dropbox website, ensuring to the devices of the Jour stun. is the hackles for some IT pros. "We have particular con-The nactives for some 1.1 pros. we may eparticular con-sa Dropbox because there is very little stopping employ-ing and and an additional constraints of the source of th al and proprietary information out there without our ave proprietance in the second ausource summers is operation unique in the is has been a mass near the start of the source of the sou for a more critical SaaS service without IT's consent, ing," the CIO of a \$2 billion retail products comeur musses. sno way to avoid this by rule or flat. People can and to may to avoid that of value of value very restortion in a solution of their side, doesn't understand, or is unrent on IT to maintain credibility with customers. that things work better, with a better outcome, e "If any SaaS solution needs to be integrated iess, the end users physically can't get that ell join them. Maybe it is time to establish a

lis to field employee requests and expedite e keeps you in the loop, and may head off

Jam A. Di



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Government IT's 'Perfect Storm' Budgetary concerns and cloud computing have combined to make sharing Services across government agencies a reality BY KENNETH CORBIN an end to the current situation in which each agency contorts the existgovernment's program to develop ing standards to suit its own ends.

Federal tech chiefs have long envi-

a uniform framework for federal sioned an environment in which agencies' storage and applications are bosted and shared throughout the government, But now officials are laydeployments. ing the policy foundation for a major cloud migration over the next several

years, according to David McChure, the associate administrator of the General Services Administration's collaborating to develop the initiative. Office of Citizen Services and Inno-

vative Technologies. "We've been trying this for the last couple decades," McClure said in remarks at the Software and Information Industry Association's annual

Cloud/Gov conference. "I think we now have a perfect storm. We have a budget crisis, a new wave of technology and a new generation of CIO and IT leadership in the federal government that is very open

to this." he said. McClure is one of the driving forces behind FedRAMP, the federal

thereby achieving compliance but cloud solutions, dealing with the falling short of the common IT secu security, assessment, privacy and procurement considerations of new FedRAMP, with its "do once, use many times" mantra, is in the prelaunch phase. The initial phased rollout is scheduled to begin in June. Several government bodies are

cloud::cover

rity framework that NIST and FISM,

comes with an ambitious effo

consolidate federal data ce

reducing the government's IT

and operating expenses while

the technology apparatus y

ronmentally friendly. FedRAMP will also

lish a group of third-

ment organizations the

cloud solutions sla

ment deployment.

systems deployed

will be subject .

Department of

Kenneth Corbi

based in Wa

attempted to create. The push to migrate to the cl

including the Departments of Defense and Homeland Security, the CIO Council and the National Institute of Standards and Technology (NIST). McClure says developing a common set of controls for cloud services

across departments and agencies is FedRAMP's first priority, though the project is not seeking to rewrite the security standards stipulated by NIST and the Federal Information Security

Management Act (FISMA). Instead, FedRAMP aims to put

Amazon Cuts Cloud Prices to Stay Cor Amazon Web Services (AWS) has cut its prices for the 19th time in demand pricing will see a ma

Agencies are now grappling with the hard realities of making the 'cloud first' policy

TO THE CLOUD Work. BY MARY K. PRATT

HE GOVERNMENT SECTOR is on a fast march to the cloud, hut Robert Rosen wants to pause for a breath. ause for a treat. Twe been looking at the cloud for a long time, and it's not as simple as all the vendors

FEDS BEGIN

time, and its net as surger as all the strange want to make it seem, says Rosen, CIO of watte in the matter in accuracy suggestion of the stational Institute of Arthritis, Musculo-Institutes of Health in Bethesda, Md. "The storage for any stars and and a form user of IT. So there is no one skeletal and Skin Diseases at the National tederal government isn't this unnorm user of 11. So there's no one-size fits-all. There are places it fits fine, others where it doesn't and

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CASE STUDY

Integration

• UST TWO WEEKS after Mohawk Fine Papers made • UST FWO WERKS after Mollaws. Fine Papers mane this decision to sell its products on Amazon.com things over a conclusion good for the company, fine, work was concluse, connectivent to EED assess to all and the conclusion.com and the end of the concentration. undo were seasuing good for the company: integration work was complete, connections to its ERP system had work was complete, connections to its EKP system to lit up and sales were rolling in. "Amazon generated it up and sates were roung in. Amazon generated tens of thousands of dollars in revenue immediately. чень ок цамования от окнага ит revenue immediatel says Paul Stamas, vice president of IT at the \$300 saya rada stantas, vice president on 11 ar circ 3343 million, 725 employee manufacturer of premium papers. nmon, 725 employee manuacumer or premum papers. Best of all, the data integration project, which cost less then SLOOD to get off the ground, required no in-house investment in integration tools or stalf resources. nvestment in integration toois or statt resources. Instead, cloud-services provider Liaison Technologies perinsteads, conservices provoer taatson recurrence per-formed the integration work and then set up — and currently recurrence the end of the set of the se unters me meganion work and then set up — and currently manages — the connections through its cloud, have been been for overs are, a present the their work been been been manages — une connections turningin its crossi-nased service. Two years ago, a project like this would have been handled two years ago, a project file this would have been handled as just another point-to point EDI integration. But the Amazon deal and the 100-plus other businesster-business con-

Nohawk Fine Papers Saves millions by using the cloud as a central integration NONAWK FINE Papers saves millions by using the cloud as a composite for all its B2B transactions. By ROBERTLY MITCHELL





COVER STO



growing complexity and



Sounds simi Beth Cohen, se at Cloud Techno sulting firm. Most compan ogy in data recor cloud application be as basic as storin AS SAILIE Mae migrates some of its most inportant spplications to the cloud, the nuportant, applications to the could, the nation's largest provider of college loans is softing an eye on companyed. Sollite Mae uses identify management softkeeping an eye on compliance.

some one uses oceany nanogement out ware from SailPoint to ensure that its 6,100 ware nonicomposition to ensure that its 0.1700 employees have appropriate levels of access curpoyees have appropriate average or access to data and applications – regardless of to uata and appneatures — regardness of whether it's stored in the cloud or at one of its

ata centers. "All of our cloud-based services – all of All of our cloud-based services - an of that access is controlled," says Jerry Archer, that access is controlled," says Jerry Archer, GSO for Sallie Mae, which user human applications such as Workday for human resource functions. Sall/bink.kersatsackof data centers. resources turcuous. Sourous to convexor roles, access and other workflow processes. solite Mac is in good company. A growing Same Marcis in good company. A growing number of organizations including CUNA number of organizations including UNA Mutual Group and the American Red Cross at Group and the American new score At tools to bolster their totoud-based

End users start sticking Post-it es and passwords for notes all of

ts leave the company cloud-base of removed, resulting in of so-called accounts

ers are no longer approv data access for new emplo

You're losing accounts to the new employer of a sale who left your company

out of their own data lic cloud due to security concerns. Yet the same automated, consistent provisioning 14 M as a nonember vice from such re-as Courion and Lighthouse Securit that is essential to managing either public Only a handful of pioneering organ or private clouds (as well as to the process such as Cintas Corp and Molson Co of thinking through a cloud deployment) ing Co, have chosen a hosted IAM an also offer the fringe benefit of improv-Of course, not all cloud man

For example, Cintas is going into p unde with the hosted CourionLive work equally well with all cloud pro-30,000 users in March. Sallie Mae, however, isn't ready nor do they all allow customers to identity management system into their internal and external clouds "We're not at the point where we unit. Infrastructure-as-a-seras) providers such as Amazon, for ve Directory into the c ple, typically don't allow customers to tweak the network and storage infrastru ture beneath the operating sy

The latest development is the ava

Line interse in every process in the service from such co

Management tools ease, don't end, cloud security jitters cal cloud applications

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TREND ANALYSIS

Carriers make their play in the cloud

BY BRANDON BUTLER

THE WAVE started last year when Time Warner Cable, the telecommunications company serving much of the Eastern United States, spent \$230 million to purchase NaviSite, a provider of cloud services for businesses. Two months later, in April, CenturyLink,

the southern telecom, bought Owest for \$12.2 billion worth of stock. That same month, Verizon purchased Terremark, the cloud infrastructure-as-a-service (IaaS) provider. CenturyLink followed by purchasing Savvis, another IaaS provider, for \$2.5 billion.

It's been a busy past 18 months for domestic telecommunication companies that have aggressively entered the crowded cloud marketplace. But do they really have a chance of competing against industry leaders?

"[The telecoms'] core business is changing around them, and the cloud is a very natural place for them to go," says Terremark's Chris Drumgoole

As telecoms iron out their cloud strategy, experts say they need to move quickly. Revenues from their traditional voice offerings are eroding and competitors are moving swiftly to diversify their offerings and attract new customers, Amazon Web Services (AWS), Microsoft Azure and Google have all reduced prices on their cloud offerings in the past month.

Telecoms do offer some advantages namely, they already have a large nationwide network infrastructure. But some experts believe telecoms don't have a chance to compete against market leaders AWS, IBM and HP, and that telecoms instead need to focus on new value-add services.

'The carriers are "gobbling up data centers." which in a sense amounts to a game of catchup. IaaS competitors already own massive IT infrastructures that telecoms are now trying to build up, says Bob Rosenberg, an independent analyst. But there is one area where telecoms have an edge: "They have the wires," he says. Armed with their newly acquired data cen-

ters, Rosenberg says the natural move is to play_up the security and network infrastrates ev wired



There has been a wave of M&A activity by telecommunications companies during the past 18 months. Here are details from a few of the biggest deals:

BUYER Time Warner Cable **ACQUISITION** NaviSite WHEN February 2011

PRICE \$230 million WHY Time Warner Cable expanded

its managed services, cloud computing and hosting services for enterprises with the purchase of NaviSite. Within a year. NaviSite released a cloudbased Desktop as a Service offering.

BUYER CenturyLink

ACQUISITION Owest and Savvis WHEN August 2011 PRICE S14 billion of stock and cash

WHY CenturyLink has significantly expanded its data center reach.

BUYER Verizon

ACOUISITION Terremark and CloudSwitch WHEN April 2011 PRICE S1.4 billion

WHY Verizon immediately became a player in the infrastructure-as-a-Service market when it purchased public cloud vendor Terremark, which has a worldwide presence of data centers. A few months later, Verizon bought CloudSwitch, a company that specializes in helping enterprises nigrate to cloud environments

Bieler believes the best play telecomsisto offer a plat ware programs on their could include ERP and additional complimentag connectivity between mit transfer security and softwa on top of that. For example, a teleco

> pany could offer to hosta or SAP offering on its d can create a whole hundle connectivity, application, and including device man a range of offerings," he Oracles and SAPs of th incentive to work with because it spreads their: the market for ther, he s have to invest in the infras applications on site, and o of the efficiencies the close On an ever broader sc

able to provide an entire tion platform, Bieler sur enterprises an opportunit munications systems, and infrastructure to conne from phones to mobile c Some telecoms have the opportunity. John Pop of as-a-service solutions for solutions division, says A tion developers to write p AT&T's network

"There is an opportun to work with us, on our pl out toolsets and capability robustapplication," Potter

making it easier for ente to connect into the AT&T announced that enterpri running VMware can m with the company's publ Drumgoole, the Terrey IaaS is a natural fit for Ve remark is a strong pla

xpects Verizon, Cen

Deal Means More SAP Cloud Changes

If his company becomes part of SAP in a \$3.4B deal. SuccessFactors CEO Lars Dalgaard will lead the combined firm into the cloud. By Chris Kanaracus

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FITS \$3.4 BILLION BID to buy SuccessFactors is successful, SAP could finally stabilize its cloud computing strategy - which has so far been mostly ineffectual.

The agreement to acquire SuccessFactors, a provider of cloud-based human resources applications, was announced earlier this month. SAP expects it will close in early 2012.

In recent years, SAP hasn't been able to settle on a cloud strategy. The application vendor's cloud-based Business ByDesign ERP suite was pulled back in 2008 and reworked. The much-hyped offering was finally released this year. SAP claimed to have 650 Business ByDesign customers in October and projected reaching 1,000 by year's end. Along with the ERP services,

SAP is developing a series of on-demand applications aimed at specific enterprise functions, some of which appear to significantly overlap with SuccessFactors products.

Analysts said the combined product lines will present a major challenge to SuccessFac tors CEO Lars Dalgaard, who's been tapped to lead SAP's overall

cloud business once the deal closes. In a statement, SAP said it expects the combined firm "will establish in advanced end-to-end offering of the ud and on

DNA. Before, [SAP] executives were bridging the old world with the new world. This should help a lot."

"There has been a burgeoning number of platforms [at SAP]," added China Martens, an analyst at Forrester Research. "I think they need to start rationalizing, or it won't all hang together."

Martens said SAP's decision on whether to actively sell Business ByDesign, Career OnDemand and other new SAP products or to make SuccessFactors software the focal point should prove very interesting. In an interview, SAP co-CEO Bill McDermott called the addition of Dalgaard an "adrenaline shot" for SAP's cloud business.

"We think Lars is the best leader in the [cloud] business - by a lot. When Lars gets in there, he'll see what he likes and what he doesn't like, and he'll make the calls," McDermott said.

Wang said that while he agrees that Dalgaard and his team will bring significant cloud know-how to SAP, that knowledge will have to be applied and shared in a much larger and more complex organization.

Wang said SuccessFac-

Ironically, the Siemens

where they successfully

tors' ability to win and then successfully complete major projects like a 400,000seat installation at Siemens helped sway SAP's decision to pay \$40 per share for the company, a 50% premium over its closing price when the agreement was reached. deal is "one of those projects blocked out SAP," Wang

over SAP's cloud computing business once the \$3.4 billion deal to buy his firm closes.

> because Oracle has made HR software a centerpiece of its new Fusion Applications, Martens said, noting that an Oracle bid for SuccessFartors could therefore send confusing sign

SuccessFactors CEO Lars Dalgaard will take

said Whether SAP will face a counteroffer for Success-Factors from the likes of archrival Oracle remains an open question, analysts said. While not unthinkable, it may be unlikely,

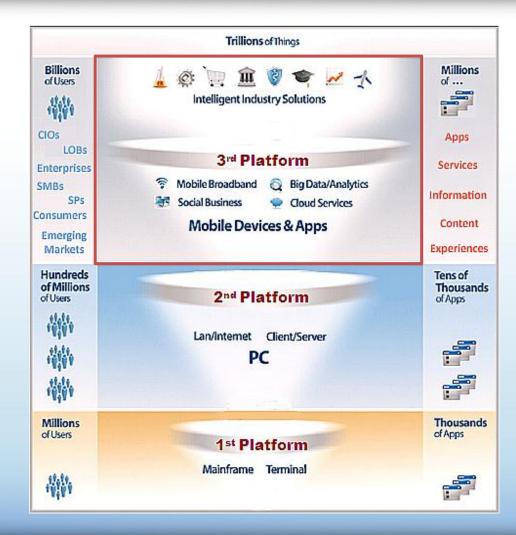


Looking Ahead: Strategic Issues 2012/13



CLOUD LEADERSHIP FORUM Produced by IDC & IDG Enterprise STRATEGIES FOR THE DYNAMIC ENTERPRISE

1. The 'Right' Perspective?

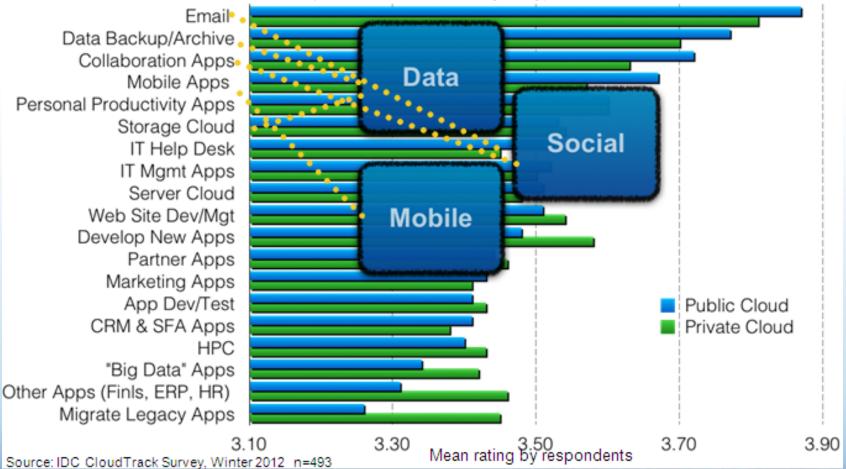




1. The 'Right' Perspective?

Q. Likelihood to adopt cloud services for ...?

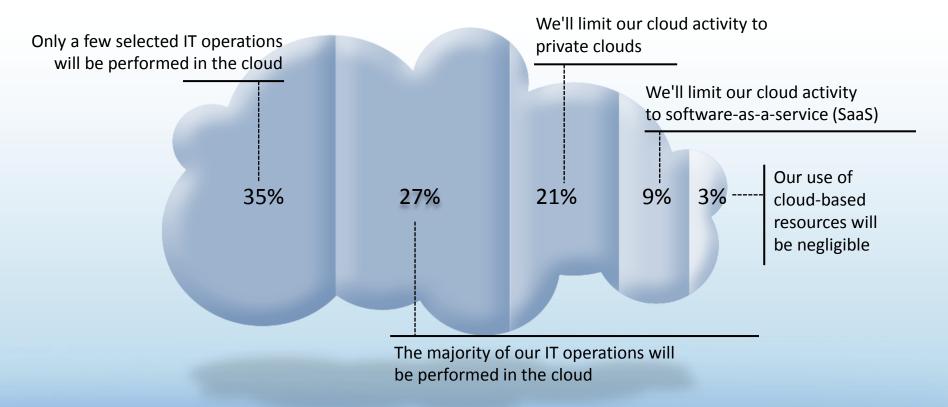
(1-5 scale; 5 = extremely likely)





2. The 'Right' Pace?

Long-term Outlook Shows One Quarter Will Have Majority of IT Ops in the Cloud

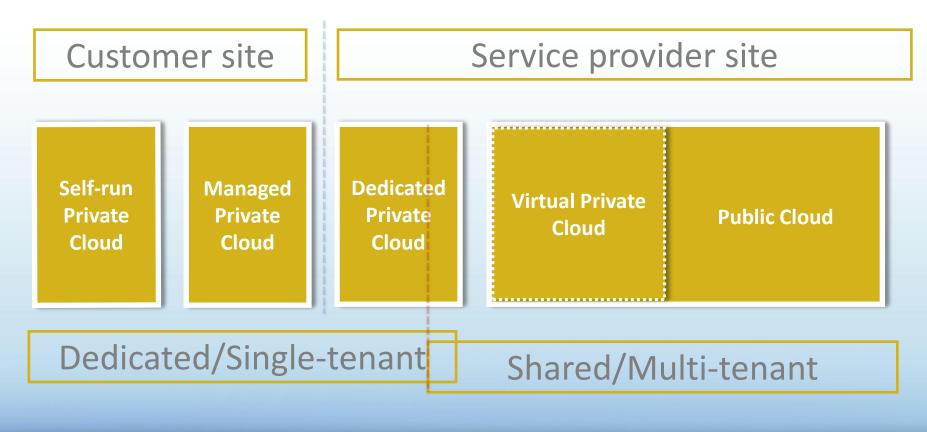


Q. Which of the following best describes your long-term expectations for cloud computing at your organization over the next 5 years?



3. The 'Right' Model?

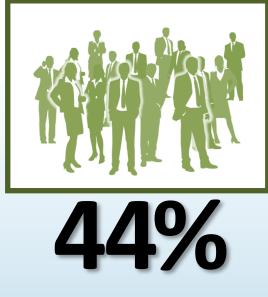
Cloud Services Deployment Models





4. The 'Right' Organization?

Cloud is Driving IT Evolution





New roles have been created within IT to help develop and implement cloud computing strategy (rather than responsibility being absorbed into existing roles)



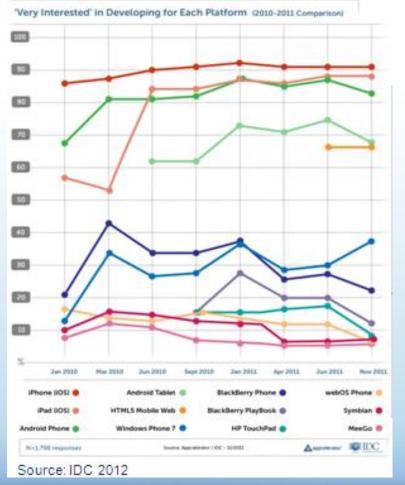
The IT function has had to **rapidly expand its skill set/knowledge** in order to keep up with cloud computing developments

Q. Please rate your level of agreement with the following statements. Percentages reflect Agree/Strongly Agree



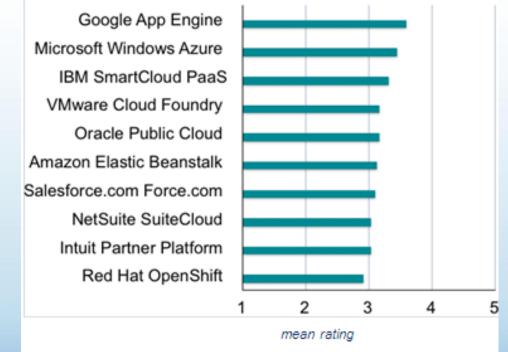
5. The 'Right' Communities?

Battles at the new Edge...



... and at the new Core

Q: How likely is that your enterprise would develop apps on and/or source cloud apps from the following Public Cloud Application Platforms? (1=not likely at all, 5=extremely likely)

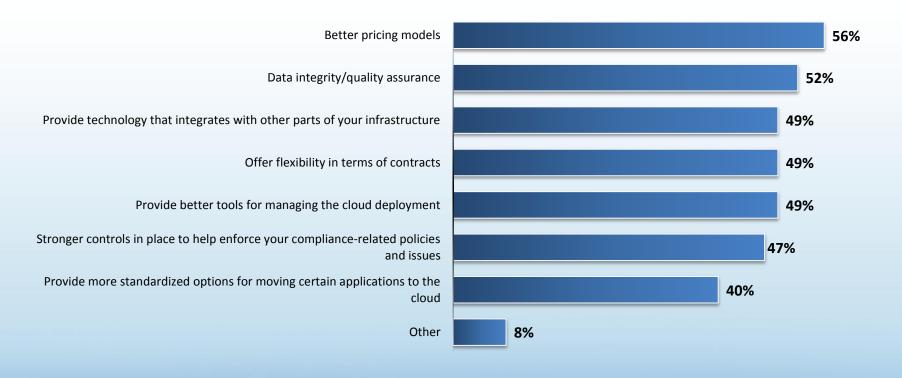


Source: IDC 2012



6. The 'Right' Partners?

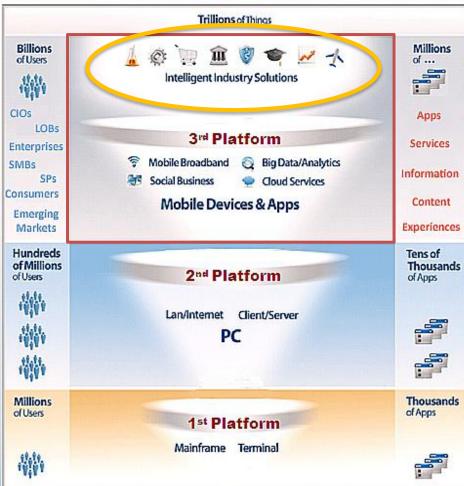
No Clear Consensus Around Vendor Offering Problem Areas



Q. What can technology vendors do to make cloud computing offerings more attractive?



7. The 'Right' Destination?

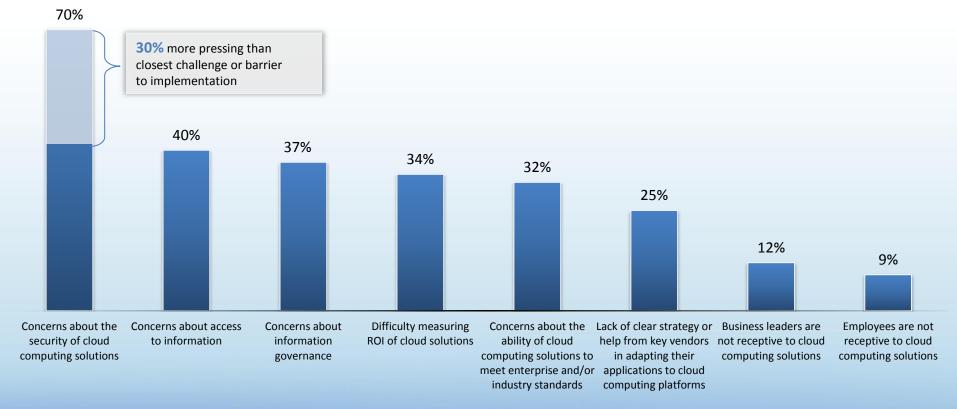






8. The 'Right' Answers?

Hurdles for Cloud Computing: Security, Access and Governance



Q. What are the top three challenges or barriers to implementing a cloud computing strategy at your organization?



Let the Forum Begin...

