Home
Subscribe
Knowledge Center
About Pipeline
Innovation Awards
Executive Summits

June 2023, Volume 19, Issue 8

Past Issues
News Center
Research Center
Webinars
Events
Sponsors
Members

FEATURED SPONSOR:



IN THIS ISSUE

EX-CX Workforce Automation
Menetizing Innovation
Proctical Quantum Networking
5G Advanced for Enterprises
6 Digital Transformation Tips
Stopping Generative Al Attacks
Big Brands Bet on Blockchain
5G Innovation & FWA
Energy & Sustainability
The Telco-to-Techco Transition
Letter from the Editor
Technology Industry News
Article Index





NEWSWIRE



Agi, for distribution of replications of the principal states of the principal



of Rot distribution of Rep.



CONNECT WITH US

Follow @PipelineWire

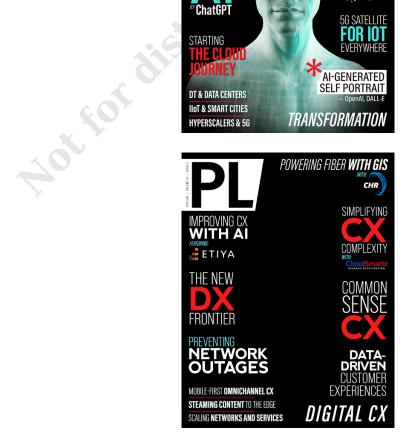
Back More

Agi, Rot. distribution

Latest Issues









Advertising Placements

Sponsor Articles and Issues

View More Issues

TRENDING NEWS

New Offering Unites SAP with Google Cloud's Data and Analytics Technology

Full Story>

Innovative Joint Venture to Fuel Fiber Investment Across USA

Full Story>

Teradata Analytics Accelerates Al Initiatives with Dataiku Models

Full Story>

ServiceNow Expands
Generative AI Capabilities with
Microsoft

Full Story>

Nokia Partners With MetaLINK To Provide Broadband Wireless In Ohio

Full Story>

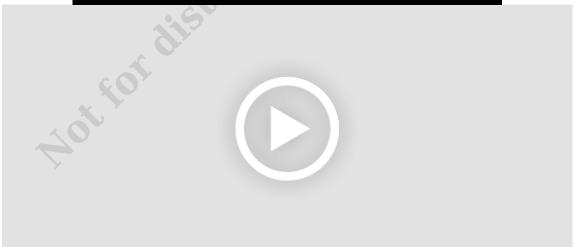
NetApp Increases Simplicity for Modern Block Storage

Full Story>

View More News

Featured Content





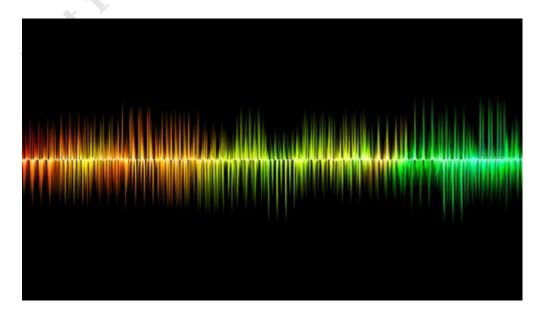
End-to-End Solutions for Broadband Networks

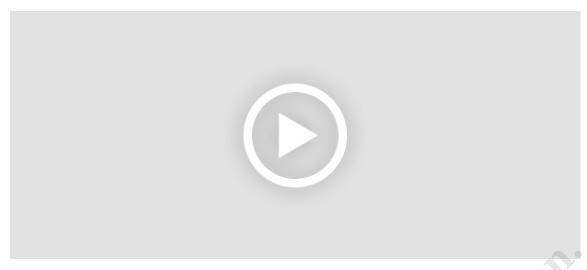
In case you missed Lindsay Broadband - a division of Technetix group at the SCTE Cable-Tec Expo, this video highlights the must-have, end-to-end solutions for your network.



Predicting Colonial Pipeline: Mitigating Risk and Compliance

Mitigating risk and compliance for lawful intercept using lawful intelligence is explored in this Pipeline article feature SS8. Learn how CSPs can comply with lawful intercept regulation, while empowering law information with critical, real-time data.





Podcast: The Evolution to 6G

The world's eyes are already looking forward to the potential of 6G. Demands resulting from innovative use cases, for instance specific requirements from different industries and other user groups, as well as overarching goals like sustainability, are driving the standardization and development of mobile technologies.

Request Video

View More Videos

Latest Webinars



The Network Transformation Imperative

A Dynamic Panel Ascussion Featuring The Industry's Top Thought Leaders



Pipeline

>>>>> PAN

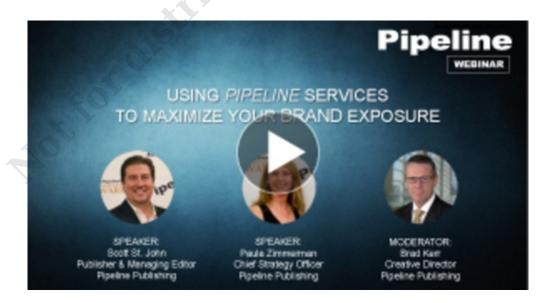
ANEL DISCUSSION

Agile Architecture or Digital Innovation

A Dynamic Panel Ascussion Featuring
The Industry's Top Thought Leaders



8 30 C. All rights recorded



Participate in Webinars

Join Next Webinar

View More Webinars

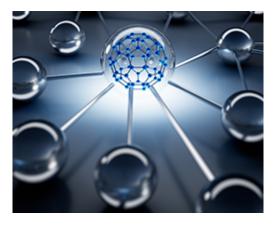


Order Article Reprint Read More



Monetizing Innovation

Order Article Reprint Read More



Practical Quantum Networking

Order Article Reprint Read More



5G Advanced for Enterprises

Order Article Reprint Read More

Sponsor Articles

Advertising Placements

TRENDING ARTICLES



Technology Industry News



Digital Trust & Transformation



DT & Data Centers



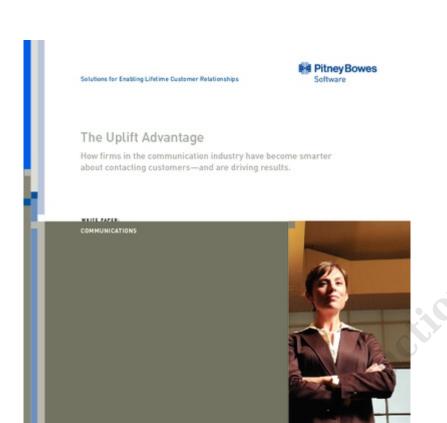
3Cs of Telco Transformation



Cutting Cloud Complexity with AI **View More Articles**

Other Featured Content





Rot distribut



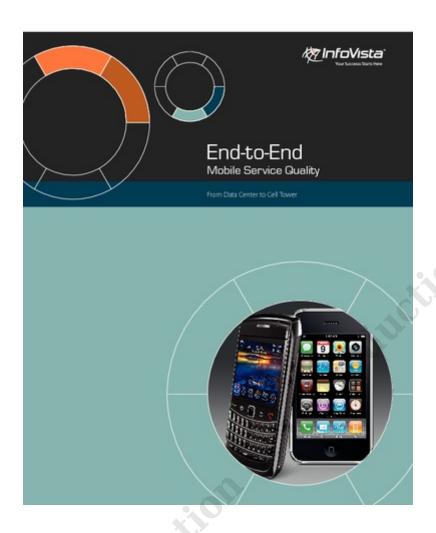


Weathering the Wireless Tsunami How MNOs Can Reach High Ground in Today's Communications Market

By ConceptWave Software Inc.

Rot diletillo





×

Hot for dis



TOP TEN PREDICTIONS FOR THE TELECOMMUNICATIONS INDUSTRY IN 2011

For B/OSS, Managing the Manager is #1, says Progress Software
Progress Software Coporation (NASDAC: PRGS), a leading software provider that enables companies to be
operationally responsive, predicts that telecommunications service providers will increasingly be able to detect
technology problems that might affect oustomers, solving them before the customers even know they exist.

Sanjay Kumar, Industry Vice President for Communications and Media at Progress Soltware, said, "The telecommunications field is very comprehive, and service providers have to do what they can to differentiate their orderings. Solving problems before they happen goes a long any toward managing the customer experience." The firm also predicts that mobile service providers will have to build stronger relationships with customers, mainly by providing unique offerings to grab and hold their attention.

Progress Software's Telecommunications predictions for 2011:

- For BrOSS, managing the manager is key. Traditional business and operational support systems (BrOSS) will require systems to manage the systems. Most service providers have invested so much in ther BrOSS infrastructure assets that they cannot be easily replaced and need an adapted layer to respond to real-time business demands and reenergize the existing 8/OSS infrastructure's value.
- You will predict problems before they come to light. Telco service providers will be able to predict when there is a potential issue that will affect customers—and correct it before it happens. The pre-emptive correction of problems before the customer knows they exist will become a key factor in differentiating service providers and improving the customer's level of service.
- Loyalty program. Mobile service providers facing mounting competitive forces will have to build stronger relationships with their customers. They will need to provide customers with unique, interactive experiences to build stronger loyalty by baping into automore call patterns and locations, cometating with outstorner preferences and providing value-added services to customize each customer's experience in a unique way.
- 4. Partly cloudy. As communication service providers head for the cloud, they will struggle with data interoperability between cloud and non-doud environments. Operators will need advanced data transformation and adaptive technologies to take full advantage of doud-based applications.
- Mind the gap. Operators will be increasingly trapped in the gap between customer expectations for flexibility and speed, and the limitations in existing 8/OSS infrastructure. This will drive demand for new business user toolsets to overfay 8/OSS, enabling service providers to respond and deploy new solutions.

Progress and Business Making Progress are Indomests or registered Indomests of Progress Software Spinantion or and all sufficient or subsidiatives in the U.S. and other countries. Any other Indomests continued I have now the property of their respective lawren. Specifications subject is strong without notice.

ction.

EXFO Service Assurance and Juniper Networks Assure Performance and Quality of Multiplay Networks

BENEFITS SUMMARY

Aoi, for distrib

-) Ensures service performance and quality throughout the multiservice delivery network
- Enables senice providers to establish a quality advantage to increase customer satisfaction and reduce chure
 Delivers actionable information to preactively identify, diagnose and resolve issues before subscribers are impacted.
 Moduces operational costs by minimizing think rolls and maximizing technician and customer service time.

The promises of increased average revenue per user (ARPU), lower operational expenses and gaining a competitive advantage are driving service providers to expand their multisensice IP networks. Voice, video and data services over separate retworks are being converged over sentgementalise IP networks to deliver interactive multiplay service offerings. Providers are banking on these multiplay bundles to build customer logisty, increase customer natisfaction and agrificantly reduce churn.

As providers roll out these new, dynamic business, communications and entertainment services, they face significant challenges to deliver services bundles that exceed the quality espectations of their subscribers. While the converged network simplifies service delivery, it is very complex and must be properly managed and monitored to meet quality of experience (CoCI) and quality of service (CoCI) expectations.

BUILDING A SERVICE-AWARE DELIVERY ARCHITECTURE

The launch of multiplay services requires that best effort internet networks evolve into secure, resilient infrastructures that can assure user experiences. The transition introduces many considerations that must be addressed. For example, wideo service delivery can vary greatly from one time to another with multiple sources impacting traffic volume and quality.

Delivering multiplay services means service providers must re-examine their network architectures and make decisions that will affect their success new and in the future. Offering a broad perfecto of scalable, intelligent systems, Jumper Tetworks provides service-sware network solutions for introducing and further developing multiplay services. Jumper's estage converged edge architecture enables the dynamic allocation of behandwidth, to efficiently deliver high quality multiplay periones from sundajes sources, including valion, whole, data, gaming and more. The company's provine experience and patherships with companies like EXFO Service Assurance give providers confidence in their security.

THE NEED FOR MULTIPLAY SERVICE ASSURANCE

While bundled multiplay service offerings can help build customer loyally, it is essential for providers to monitor the performance and quality of their services to continually ensure customer satisfaction. Quality and performance issues that can result in service interruptions and downtries will force customers to switch to other providers that can provide requirity services at similar prices. Competition is pushing providers to directlip an advantage based on quality because price alone is becoming less of a factor.

To establish a quality advantage, providers need to shift from pure network management tools to converged service assuran-ensure the end-to-and distincy of critical III exercises. Simply gathering statistics from network devices does not offer provide service shiftigence to monther proframance and quality.

A converged service assurance solution coupled with a setwork capable of supporting multiplay services enables meet customer espectations and verify service level agreements (SLAs). Service quality matters and business success



Brochures









Brochures

Hot for distiff

DATA SERVICES OVER 25 YEARS, 150,000 MILES OF DATA

ey on data services GUARANTEE best practices ENSURE data accuracy AVOID government regulatory obstacles

Enghouse Data Serviors (formerly Moore Resource Systems) is a specialized team of GIS experts who make it possible for organizations to create and maintain geo-spatial enabled data for their next generation enterprise IT applications.

The services that Enghouse provides can involve large data entry tasks to help populate unique data models or specific data updates based on field charges to a company's assets.



Our Enghouse Data Services team specialises in providing seamless project management support for an organization's own team. Data Services works with an organization's staff to assist in the tracking and completion of tasks on a daily basis to meet specific and prioritized needs.

DATA VALIDATION & QA

The Enghouse Data Services team offers special ized took that enable validation of source data before conversion to the target. These specialized tools can highlight problem areas that need to be corrected (e.g. data integrity rules) that might be broken by migrating to the target system.



DATA TRANSFORMATION

In a complex data cleansing and migration effort, datavery often needs to be transformed between one or more formats. The Enghouse Data Services team accurately transforms the most challenging data, whether spatial or non-spatial.

ction.





+1 (866) 772-8245 or (905) 946-3200 just say "sales" networks@enghouse.com www.enghousenetworks.com



accelerate business, anywhe

CSG Point-of-View: The Promise of Television Commerce



ction.

Interactive Television Technologies Can Deliver New Ways to Engage Your Customers and Increase Revenue and Upself Opportunities in Real Time.

Using Interactive Television to Build Revenues, Engage Customers

The television viewing experience has been forever changed by the internet, Consumers want to engage and interact with their favor its television content—such like they do with content on their computers, shobile phones and other technology devices.

The mass adoption of web-enabled devices is transforming the way house holds access and consume seeds content on their side visions—and how they internative the businesses visit PT. Market created firm in-Stat projects that more than 200 million webenabled devices will be in use in the United States by 2014, and the vareage household williow in between five and 10 such devices—televisions included.

with the set-cop box in willions of U.S. households, cable and DRS provides have a clear advantage in levelaging. Toom since models to settle new reven urs, and deliver newweys of interacting with cuscoses that build loyally and deliver a more personalized experience.

with new technology standards from Cable Labs namely the tribanced TV Strary interchange Format (EBF)—T-commerce is a viable business model for cable and DSS providers.

The EBIF standard has already made 1ts very into 25 million subscriber homes, offering an innovative and immediate way for providers to entice new consumers, and retaining existing ones.

Interactive Customer Care Drives Loyalty

interactive TV models enable cable and DBS provides to deliver a more enriched cuttomer experience. What better and more direct way to communicate with consumers than through their belevision?



The beauty of interactive TV is that it enables two-way communication between a provider and their customers in real-time.

Providers can send messages directly to subscribers about their bill, and then prompet he subscriber to view and pay their cable bill right from the television screen using their remote control.

with direct integration from the set-top box to backoffice billing, customer care and other applications, any changes a customer makes to their account from the coeffort of their couch are updated in real-time.

Www.cglcon

© 1911 that their major marked, in a Confidencial and Property and



If you want to get where you're going, you need an accurate map. Nakina Systems' Inventory Discovery & Reconciliation solution provides a true picture of your network's physical and logical inventory, so you can see beyond the horizon.

Setting sail

In today's hyper-competitive environme service provide mane tasked with rolling out new services quickly — and de livering as uperior centomer experience. Yet tapid network expension presents new challenges. Discrepancies between inventory and the real network are the norm, causing reduced order processing capacity slower fault holation and provisioning fallouts. Nakina Systems' inventory Discovery & Reconciliation solution discovers optical Ethernet HYMPLS and other network opical creater, internal and occer relevon equipment and recoeciles against industry standard inventory systems to reduce fallows and provisioning times. Without an automated discovery and reconciliation solution like Nakinals, the investment in network-wide inventory systems is impossible to mosetize.

Staying on-course

Aoi for distrib

A true picture of your network topology is an absolute recessity for rapid edicat of new services, efficient operation, and a predictable customer experience. Nationals continuous levels of network integrity. The discovery engine is constantly in contact with the network, performing regularly-scheduled inventory discovery and reconciliation with network inventory databases. This constant feedback loop helps highlight inconsistencies before they become difficult problems. National customers can identify poor capacity management, lack of redundancy and many other challenges before they cause outages or other problems.

Pinely tuned instrumentation

Nak in a System's network integrity solutions enable our customers to accelerate time-torevenue through faster deployments. Without a high integrity image, matching capacity to demand is a hittor miss affair work orders and customer orders fall out due to non-existent or over rate igned ports; scance capital resources are consumed when spare capacity is usused elsewhere. With an accounts and correst picture of the network, there is no destination too far

Key Punctions

Nakina Systems' Inventory Discovery & Reconciliation replaces ad hoc data with a true network integrity solution. With an accurate picture of the network, you can feel more confident about the state of the network and your ability to deliver new services on time and

- Multi-Verelor, Multi-Deducia Topology Discovery Discovers Optics (Ethernet & P/MPLS NEs (00/1/2/5 networks)
- · Reduces provisioning times

- Pull Discovery of Physical & Legical Inventory Topology, Line, Protection Groups, End-End Circuits

kion.

- Eliminates fall-outs due to inaccurate inventory
- Pre & Post Circuit Qualification

 On the Syqualification of ensures
 availability to support Assign
 & Design process

- Integrated Security Solution

 Eliminates Infrosts due tractem investant password inves
- Fightle-based protection of access to setwork information

Standards-based Interfaces Simple Cost-Rective Integrat with 3 of Parties

WWW.NAKINASYSTEMS.COM



MATRIXX CONVERGENT CHARGING

As communications business models evolve and As communications business modes evolve and mature, marketing organizations are constantly creating new services, payment models are evolving, and devices are becoming increasingly sophisticated. Customer segments are becoming more defined and granular, and what once was white a prepaid or a postpaid relationship has grown into a multi-faceted array of payment options. These mix and match payment methods also provide options to charge physical goods to a mobile account or access personal funds as a customer would at a bank.

Devices and access methods are also multiplying making the picture yet more complex for service providers. Their subscribers have a choice of Smartphones, set top boxes, tables, PCs, laptope, gaming concoles, and mp3 players to access services via cable, DSL, PTTH, 2G, Wi-FI, Wi-Max and new LTE networks. However, competition is fierce and network access charges are becoming commoditived. commoditized.

Communications service providers are challenged with rising above these complex operational and service delivery environments to focus on the customer. Regardless of device, access method or

easily integrate with existing billing systems. It helps the marketing department and the business implement initiatives to strengthen the brand and increase customer value while providing dramatic scale and driving cost out of operations

payment option, customers should be presented

payment option, customers should be presented with compelling, integrated service bundles that are intuitive and customizable to fit their personal needs. Convergent charging applications play a key role in delivering a differentiated and consistent customer experience as they provide the

central link between services, payment methods, MATRIXX Convergent Charging provides a highly flexible, hyper-efficient application that runs on low cost, commoditized hardware and which

Increase Customer Value MATRIXX Convergent Charging enables service providers to better monetize their portfolio of services and content and increase customer lifetime value. It provides a flexible and configurable set of pricing, charging and balance management features so that service providers can quickly and cost-effectively implement a convergent charging layer without disrupting existing IT and network assets.

Functional Highlights

- Bundle products and services together regardless
- Quickly deploy new pricing models, promotions
- Manage balances and payment relationships
- Develop and implement loyalty programs and preferred pricing
- Track and enforce usage quotas, allowances and credit limits
- Bundle services together to provide cross-product discounts
- PRoll out the same offers across prepaid and postpaid subscribers
- Share balances across devices, such as sharing a data all owance across a laptop, tablet and Smartphone
- Create prepaid/postpaid hybrid offerings

MATROX Software
779 E. Evelyn Ave | Suite E | Mountain View, CA 94041 | matriscesw.com

ONTOLOGY

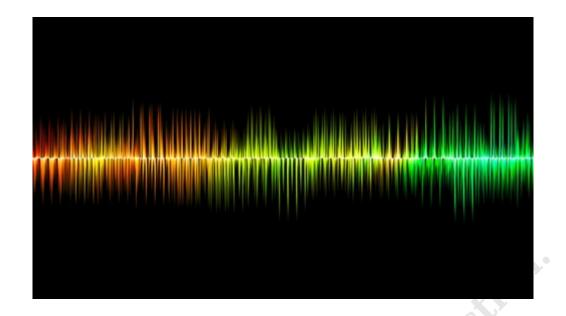




Ontology Real Time Inventory for NFV

September 2015







Hot for





Rethinking Mobile Data Rate Plans: What Consumers Think

Business Perspectives from Tekelec



Upload Content

View More Content

© 2023, All information contained herein is the sole property of Pipeline Publishing, LLC. Pipeline Publishing L.L.C. reserves all rights and privileges regarding the use of this information. Any unauthorized use, such as copying, modifying, or reprinting, will be prosecuted under the fullest extent under the governing law.

