

Cablefax Daily™

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What the Industry Reads First

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IPv6 Update: A Look at Where We Are Today

While the number of unique IPv4 addresses increased by 0.7% compared to last quarter, IPv6 adoption continues to advance. That is one of the takeaways from the recently released Third Quarter State of the Internet Report from **Akamai**. In the US, 21% of content requests to Akamai were made over IPv6 in 3Q, up 13% over the previous quarter. The US ranks fourth behind Belgium, Greece and Germany in IPv6 traffic, Akamai said, with the largest volume driver for IPv6 requests coming from cable and wireless or mobile providers. Leaders include **Comcast, AT&T** and **Verizon Wireless** with 44%, 43% and 80%, respectively, of their requests to Akamai being made over IPv6. Belgium is still the global leader of IPv6 adoption, with 39% of its connections to Akamai occurring over IPv6, which is an increase of 3.3% from last year. The adoption of the Internet Protocol enables smarter networks—then there's the fact that North America actually ran out of new IPv4 addresses last year. Comcast has been an early adopter, participating in the World IPv6 Launch in 2012. Today, virtually all of Comcast provided cable modems are managed over an IPv6-only connection, with the MSO announcing that half of its traffic would be from IPv6-enabled by year-end. Another early adopter of IPv6 has been Facebook, which has observed that accessing the social networking platform can be 10-15% faster over IPv6. "Originally, we thought of it as just more addresses," said Comcast network engineering svp **Kevin McElearney**. "The difference between v4 and v6 is really astronomical. If IPv4 is the size of a beach ball, v6 is the size of the sun." So, while most platform providers give customers one address within a home, Comcast gives every customer 18 quintillion addresses. Why? Well, you could look at it as each of those addresses represents a device. But McElearney suggests taking that even farther. "What if you weren't just addressing a device, but you're addressing components of that device? What if you're addressing procedure calls in software? What if you're addressing blocks of storage?" he asked. Comcast also began looking at what it could do with the packets themselves. That brings segment routing, in which the packet can control how it moves through the network instead of the more traditional approach of the network controlling the packet. The possibilities there include being able to program something like finding a video asset in the packet vs at an application layer. While companies like Comcast and **Facebook** are urging others to jump on the IPv6 train, it probably won't be until about 2020 that v4 stops growing. "As more of both the CPE manufacturers

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Here's To A Successful 2017!

Sincerely,

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start to adopt it and as content providers and edge providers start to adopt it, that will drive a much simpler structure to the entire performance for end users,” McElearney said. All that is good news for the Internet of Things, with devices not having to go through v4 translation bound to make performance more seamless.

Charter Compliance: The FCC Wireline Bureau granted a request for more time to file compliance reports related to Charter’s Time Warner Cable and Bright House transactions. The request came from Barbara Jones, from the Independent Compliance Officer appointed by the Commission. Under the new timetable, compliance reports on settlement-free interconnection, data caps and usage-based pricing will be due Jan 31. Jones said more time was needed to be thorough and because the monitoring is still in the early stages.

In the Courts: Fox News’ attempts to force Charter to pay its higher rate card instead of Time Warner Cable’s is “nonsensical and contrary to fundamental economic logic of the cable industry,” according to the MSO. In a court filing supporting its reasoning for dismissing Fox News’ fraud claim, Charter said that the allegations are a breach of contract claim vs fraud. Fox News’ “central theory of fraud is that during negotiation of the Charter Agreement, certain defendants or the representatives allegedly made statements about possible future plans for Charter to become a larger company,” Charter wrote in a filing this week. “As a result, Fox News allegedly took steps to draft a contractual provision to protect itself in the event some future transaction took place.” The result is a difference of opinion over whether Charter is trying to avoid contractual protections that Fox News allegedly wrote into the deal. Similar lawsuits have been filed against Charter by Univision and Showtime Networks.

A&E’s KKK Series: After controversy surrounding its upcoming KKK documentary series, A&E announced it would change the show’s name from “Generation KKK” to “Escaping the KKK: A Documentary Series Exposing Hate in America.” It also announced a new partnership with African American civil rights group Color of Change. The net said it made the name change in consultation with pre-existing partner the Anti-Defamation League and Color of Change to ensure that the title doesn’t serve to normalize the Klan. The series debuts Jan 10, 10pm.

People: Michael Wittrock, formerly svp of customer care for AT&T Entertainment Group, was named president of the Southeast Region. He will oversee the sales and operations for more than 8,900 employees, more than 600 AT&T-owned retail locations, and more than 3,700 national retail partners and authorized resellers across the Southeast region. Wittrock joined DirecTV in 2005, rising to svp, sales & distribution for DirecTV.

Editor’s Note: Your next issue of Cablefax Daily will arrive Tues, Jan 3, but we’ll keep you up-to-date on what you need to know at Cablefax.com. Wishing you happy holidays and a banner 2017!

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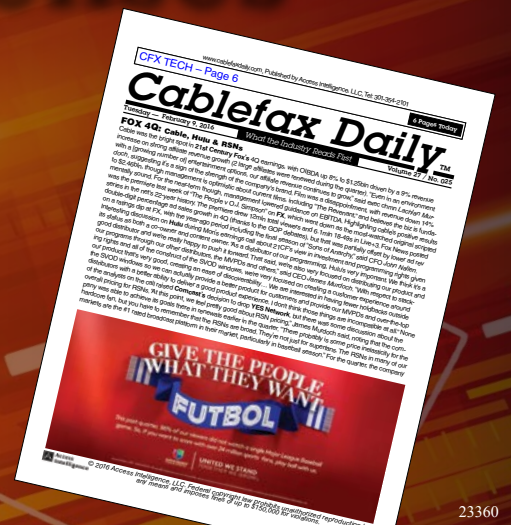
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Cablefax Week in Review

Company	Ticker	12/23 Close	1-Week % Chg	YTD %Chg
BROADCASTERS/DBS/MMDs				
DISH:	DISH	58.89	0.84%	2.99%
ENTRAVISION:	EVC	6.75	1.50%	(12.45%)
GRAY TELEVISION:	GTN	10.90	3.32%	(33.13%)
MEDIA GENERAL:	MEG	18.80	0.97%	16.41%
NEXSTAR:	NXST	62.90	1.53%	7.16%
SINCLAIR:	SBGI	34.20	2.86%	5.10%
TEGNA:	TGNA	21.99	(0.63%)	(13.83%)

MSOS				
CABLE ONE:	CABO	617.40	(0.96%)	42.37%
CHARTER:	CHTR	290.43	0.69%	58.70%
COMCAST:	CMCSA	70.65	1.13%	25.20%
GCI:	GNCMA	19.03	5.60%	16.82%
LIBERTY BROADBAND:	LBRDA	72.87	0.59%	41.08%
LIBERTY GLOBAL:	LBTYA	30.86	1.25%	(27.15%)
SHAW COMM:	SJR	19.93	(1.48%)	15.94%
SHENTEL:	SHEN	28.30	2.35%	(34.26%)

PROGRAMMING				
21ST CENTURY FOX:	FOXA	28.38	1.25%	4.49%
AMC NETWORKS:	AMCX	52.31	2.09%	(29.95%)
CBS:	CBS	64.67	0.20%	37.22%
DISCOVERY:	DISCA	28.00	(1.37%)	4.95%
DISNEY:	DIS	105.15	1.19%	0.07%
GRUPO TELEVISIA:	TV	20.89	3.21%	(23.23%)
HSN:	HSNI	34.15	(4.07%)	(32.6%)
MSG NETWORKS:	MSGN	21.45	1.42%	3.13%
SCRIPPS INT:	SNI	72.51	3.16%	31.33%
TIME WARNER:	TWX	96.41	1.70%	49.08%
VIACOM:	VIA	38.85	(1.65%)	(11.68%)
WWE:	WWE	18.60	0.32%	4.26%

TECHNOLOGY				
ADVANTAGE:	AEY	1.67	1.21%	(7.73%)
AMDOCS:	DOX	59.22	(0.57%)	8.52%
AMPHENOL:	APH	68.30	1.34%	30.77%
APPLE:	AAPL	116.52	0.49%	10.70%
ARRIS GROUP:	ARRS	30.56	(1.04%)	(0.03%)
AVID TECH:	AVID	4.63	7.18%	(36.49%)
BLNDER TONGUE:	BDR	0.48	(9.04%)	20.53%
CISCO:	CSCO	30.53	(0.16%)	12.41%
COMMSCOPE:	COMM	37.16	1.92%	43.53%
CONCURRENT:	CCUR	5.19	1.76%	4.85%
CONVERGYS:	CVG	24.75	0.98%	(0.56%)
CSG SYSTEMS:	CSGS	48.90	(0.24%)	35.91%
ECHOSTAR:	SATS	51.94	(0.84%)	32.80%
GOOGLE:	GOOG	789.91	(0.11%)	4.09%
HARMONIC:	HLIT	5.20	(2.8%)	27.76%
INTEL:	INTC	36.97	1.82%	7.31%
INTERACTIVE CORP:	IAC	65.86	(0.08%)	9.68%
LEVEL 3:	LVT	56.78	0.14%	4.45%
MICROSOFT:	MSFT	63.24	1.51%	13.99%
NETFLIX:	NFLX	125.59	1.10%	9.80%
NIELSEN:	NLSN	42.75	(0.9%)	(8.26%)
SEACHANGE:	SEAC	2.49	1.63%	(63.06%)
SONY:	SNE	28.46	0.07%	15.64%
SPRINT NEXTEL:	S	8.50	3.16%	134.81%

Company	Ticker	12/23 Close	1-Week % Chg	YTD %Chg
SYNACOR:	SYNC	3.20	(1.54%)	82.86%
UNIVERSAL ELEC:	UEIC	64.30	(2.5%)	25.22%
VONAGE:	VG	6.91	3.75%	20.38%
YAHOO:	YHOO	38.66	0.13%	16.24%

TELCOS				
AT&T:	T	42.73	2.54%	24.18%
CENTURYLINK:	CTL	24.06	(0.46%)	(4.37%)
FRONTIER :	FTR	3.42	(3.93%)	(26.77%)
TDS:	TDS	29.60	1.37%	14.33%
VERIZON:	VZ	53.68	2.70%	16.14%

MARKET INDICES				
DOW:	DJI	19933.81	0.46%	14.40%
NASDAQ:	IXIC	5462.69	0.47%	9.09%
S&P 500:	GSPC	2263.79	0.25%	10.76%

WINNERS & LOSERS

THIS WEEK'S STOCK PRICE WINNERS

COMPANY	CLOSE	1-WK CH
1. AVID TECH:	4.63	7.18%
2. GCI:	19.03	5.60%
3. VONAGE:	6.91	3.75%
4. GRAY TELEVISION:	10.90	3.32%
5. GRUPO TELEVISIA:	20.89	3.21%

THIS WEEK'S STOCK PRICE LOSERS

COMPANY	CLOSE	1-WK CH
1. BLNDER TONGUE:	0.48	(9.04%)
2. HSN:	34.15	(4.07%)
3. FRONTIER :	3.42	(3.93%)
4. HARMONIC:	5.20	(2.8%)
5. UNIVERSAL ELEC:	64.30	(2.5%)

Cablefax Industry Jobs

3 Tips to Finding and Hiring the Perfect Candidate

TIP 1 : Target Candidates!

Post your openings on Cablefax's job board to reach top talent and filter applicants that lack industry experience. Ask about bundles to fit your needs and budget.

TIP 2 : Be Selective!

Don't waste time reading pointless resumes. You can search Cablefax's resume database for free, while utilizing the demographic filters.

TIP 3 : Stand Out!

Take advantage of upgrades to add exposure by taking advantage of upgrades, including weekly job eletters sent to over 40k industry executives.

