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NETWORKING THE  
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## OCS Increases IP Addresses

*Steady growth requires more resources*

As many of our readers and customers probably know, for some time the Internet has been running out of the original allocation of IP (Internet Protocol) addresses that identify every individual device on the global network.

According to resolutions reached in 1980, the "IPv4" protocol made nearly 4.3 billion addresses available ... an unimaginable number at that time, but that was long before widespread public use of the Internet – or consideration that electric meters and even refrigerators would each need their own IP address.

As the system started to become saturated, requesting a block of new addresses (for an ISP) became something like having to wait for a new post office box to become available in

a branch that was already full. Specific requirements have to be met in order to qualify for a block of the remaining address space, and the regulatory agencies have been very strict with their approvals.

OCSNET began with an allocation of fewer than 100 addresses way back in 1995. Over the years that has grown to

more than 4000 addresses, and we've been approaching the threshold at which we need more.

So, OCS recently submitted a request for more addresses to ARIN – the American Registry for Internet Numbers, the agency that manages IP address allocations.

We're very pleased to report that our request was approved, and over the next few months we'll be working to integrate another 4000-plus new IP addresses into our network.

At the same time, we also applied for (and were awarded) a large block of the new "IPv6" addressing space. This is where the Internet is going next in terms of scale, and OCS is pleased that we will be ready and on the leading edge (as usual) to manage the future.

IPv6 is the successor to IPv4, and the transition is designed to be largely seamless to users.

OCS is already integrating IPv6 into our equipment. Our initial IPv6 award is for – this is hard to describe – "8 with 28 zeros" addresses. We certainly anticipate continuing growth at OCS and in Eastern Tulare County, but we're not concerned about running short of either IPv4 or IPv6 addresses any time soon.



## Software News



**Windows 7 Service Pack 1** (SP1) is an important update that includes previously released security, performance, and stability updates for Windows 7. This update is available now at **windows.microsoft.com**, click "Windows 7 Service Pack 1" in the right column.



**Internet Explorer 9** is now available in its final release version. Microsoft says, "IE9 has a streamlined look and many new features that speed up your web browsing experience." It's available at **windows.microsoft.com**, click "Internet Explorer" in the right column.

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### Work from home!

OCS can connect your home to your office or tie multiple offices together at high speed and with full VPN security, anywhere in the Valley or beyond...



The OCS home page has received nearly 14.9 million hits – contact us for local advertising information!

OCS service plans are described at [www.porterville.com](http://www.porterville.com)

Internet Plans and Pricing

Call about eCommerce!

Need qualified computer or network maintenance?  
Give us a call!



Our Military Men & Women

AMERICASUPPORTSYOU.MIL  
SUPPORT OUR MILITARY  
= SUPPORT THEIR MISSION

### THE NATIONWIDE OCS REFERRAL PROGRAM

If you refer a friend, family, or business associate to OCS, tell them to mention your name and you'll receive up to a month of free service! **Our subscribers have earned \$62,375 so far** – click *Referrals* on our home page for details! Your friends may simply click *Subscribe* to sign up online.



**MORE THAN 477 MILLION VIRUSES, SPAM, AND PHISHING ATTEMPTS  
HAVE BEEN STOPPED BY THE OCS CENTRAL SYSTEM  
CALL US ABOUT OCS OFFICE SCAN!**

OFFICE HOURS WEEKDAYS 8-5 • SATURDAYS 9-5 • CLOSED SUNDAY  
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## Major ISPs Announce Bandwidth Caps

AT&T DSL and U-Verse plans will become subject to a monthly bandwidth usage cap starting in May. Although caps have previously been alluded to in their terms of service, this is the first time that a major wired ISP has made such an open announcement.

AT&T Wireless service offers 2GB and 5GB monthly limit plans, with surcharges of approximately \$50/GB for excess usage. Verizon Wireless offers the same for their 5GB monthly plan.

First, we at OCS think it is high time that other service providers have finally begun to realize that the "all you can eat buffet" approach to so-called unlimited bandwidth usage is seriously flawed. While major ISPs have largely hidden their limiting options within the fine print of their TOS policies, they are finally having to face the reality of "bandwidth hogs" such as streaming video like Netflix, especially in HD and soon 3D versions.

Furthermore, we find it interesting that AT&T and Verizon are setting much lower caps than OCS, and then charging five times more than OCS for excess usage – while locking customers into long-term contracts.

As always, we caution consumers to be aware of what they're getting into.

## Internet Overtakes Newspapers

The percentage of people who get their news online at least three times a week has surpassed newspapers for the first time. Online news consumption actually rose 17% last year, but US local, network and cable television news, newspapers, radio and magazines all lost audience according to the Project for Excellence in Journalism. Local TV news has been the most popular news format since the 1960s, but it's only a matter of time before that too is eclipsed by the Internet.

**Tired of satellite or Clearwire?** You're not alone ... many of our new OCS accounts are customers switching to OCS from satellite or Clearwire. Tell your friends and receive a referral credit for up to a month's free service.



### Fan Mail

*"Your service is great! I was with another local wireless ISP previously and had nothing but problems. OCS is very professional and you have superb customer service." -J/KH*

*"I am very happy to refer friends to OCS because I know you take care of your customers..." -NA*

## WIRELESS SERVICE AREAS

- Porterville
- Springville
- Pleasant Valley
- River Island
- Globe Drive
- Strathmore
- Terra Bella
- Lindsay
- Exeter
- Badger Hill
- Visalia East
- Yokohl Valley
- Camp Nelson
- Success Valley
- Richgrove
- Delano East

## OACYS INTERNET SERVICE PLANS

Plan Name	Average Speeds			B-M-W <sup>1</sup>	One-Time Fees			Monthly Service
	Min	Typ	Max		Service Activation	Install/Configure	Equipment Deposit	
1 Bandwidth-Mailboxes-Webpace (see notes)								
<b>DIALUP</b>	26K	40K	53K	1-5-5	25.00	-	-	24.95
<b>Accelerator</b>	Typically 2-5X faster			-	-	-	-	+5.00
<b>WIRELESS   STANDARD 2.4 GHz</b>								
<b>24 Basic</b>	125K	500K	750K	10-5-5	25.00	100.00	100.00	49.95 <sup>2,3</sup>
<b>24 Premium</b>	250K	1M	1.5M	15-5-5	25.00	100.00	100.00	79.95 <sup>2,3</sup>
<b>24 Business</b>	375K	1.5M	2M	20-10-10	25.00	100.00	100.00	129.95 <sup>2,3</sup>
<b>WIRELESS   SPECIAL CASES 900 MHz (where available)</b>								
<b>900 Basic</b>	125K	375K	750K	5-5-5	25.00	100.00	100.00	59.95 <sup>4,5</sup>
<b>WIRELESS   MISSION CRITICAL 5.8 GHz (where available)</b>								
<b>58 Premium</b>	250K	1M	1.5M	15-5-5	25.00	100.00	100.00	99.95
<b>58 Business</b>	375K	1.5M	2M	20-10-10	25.00	100.00	100.00	129.95
<b>58 Professional</b>	500K	2M	3M	25-25-25	25.00	100.00	100.00	159.95
<b>58 Corporate</b>	750K	3M	4M	30-30-30	25.00	100.00	100.00	199.95
<b>58 Enterprise</b>	1M	4M	5M	40-40-40	25.00	100.00	100.00	249.95

All plans include automated central email virus scanning, email spam filtering, and website parental controls. Some plan types permit webpace for personal use only. Wireless installation and deposit package may be paid in installments upon request. All speeds are symmetrical (same for upload and download) within the OACYS network only. All plans terminate at OACYS Porterville headquarters and transport to the Internet via dual T3s over dedicated OC12 fiber optic circuit. All plans subject to change without notice. Pricing and terms are current at the date of this newsletter and supersede previous versions. For footnotes 2,3,4,5 surcharges may apply. Please check with our office for additional details.

### I Didn't Know That!

- OCS provides "A-to-Z" technology services
- Complete computer service and repair shop
- Variety of Internet access plans and packages
- Professional website development and hosting
- Programming and custom development
- eCommerce solutions
- Computer and Internet technology consulting
- Secure branch office inter-networking
- Internet-based "VOIP" telephone services

To set Account Preferences or make Payments Online, click **UserAdmin** on our website

On the road? Call our toll-free support at 888-OACYS.COM