AMSYS®
C O M P U T E R

Microsoft **Certified**
Solution Provider

CITRIX
Solutions
Network

In Business… You're Only As Good as Your Connections. Ours are the BEST!

AMSYS-ASP is the smart place to co-locate your servers or host your web site. We maintain state-of-the-art co-location facilities featuring high-speed, redundant access to the top 12 Internet backbones.

Our certified server administrators assure a noticeably superior level of performance, uptime and availability.

With our own Private NAP to the Internet, 92% of the traffic to your server will avoid the choke-points of MAE-East and the other public NAPs. Our network provides the flexibility to run robust applications without the additional cost and overhead associated with maintaining your server in-house.

AMSYS-ASP is a division of AMSYS INC, a company founded in 1987 as with deep roots in the PC business. We specialize in TCP/IP, LAN & WAN Internetworking. Our staff provides service and support to Small & Medium Size Businesses, LAN integrators, ISPs and other ASPs. Our mission is to provide hi-performance, value-oriented datacomm services in Internet, Intranet and Virtual Private Networks (VPNs).

At AMSYS-ASP, our real product is up-time. Our respect for your up-time is evident in everything we do and we're focused on keeping your servers and your business up and running.

Our Internet Services Group works closely with InterNAP, Verizon, Level3, UUNet, Applied Theory and Sprint to support a variety of co-location and server hosting solutions.

AMSYS-ASP is a class 'A' Datacenter that provides the best possible environment for your servers. Our facility has raised floors, chilled water cooling with separate cooling zones, FM-200 fire suppression, and triple redundant power feeds backed up by UPS and a diesel generator. AMSYS-ASP offers a variety of physical security features including 24x7 secured access, biometric hand scanners, video surveillance, alarm system, motion detectors, key card access zones within AMSYS-ASP and a security guard on the premises.

The heart and soul of our network is our multiple OC3 fiber-based, multi-homed backbone with direct connections to Sprint, PSI, UUNet, AOL, ATT, Digex, Cable & Wireless, and AGIS. With our own private NAP to the Internet, 88-92% of your server traffic will avoid the choke points of public NAP's such as MAE-East.

Finally, AMSYS-ASP gives you the added benefits of around-the-clock systems management and onsite personnel. Our engineers are fully certified with years of experience in networking, Internet, and systems architecture.

All of this means that your server will be housed in a physical and technical environment that offers you the speed and reliability you demand for your critical data

Your server is a integral part of your business. You should trust it only to the best. AMSYS-ASP offers the best networking environment for your server. At AMSYS-ASP our real product is uptime. We strive to maintain 99.7 % uptime for all of our clients. We even guarantee it. If your server goes down for reasons under our control, we will credit you part of your monthly bill. You shouldn't have to pay for a server that isn't running. We can offer this

guarantee because we are confident that our network is the best around. Speed, reliability and security are key to keeping your surfers happy, here are the details on why AMSYS-ASP's network is the premiere choice.

AMSYS-ASP's network connects your server directly to our 100 Mbps switched ethernet LAN connection with super-fast T3 and OC3 connections to Sprint, UUNet, Cable & Wireless, PSINet, GTE/BBN, ATT, Mindspring, Digix, Quest and Verio through InterNAPs private NAP.

Key features of the service include 24-hour network monitoring; dedicated connectivity at 100 Mbps to our Network; 24/7 physical security with controlled access to the datacenter; back-up assistance, fire-suppression, triple-redundant power feeds, dual-redundant raised-floor cooling systems, 2000sf. UPS Battery Room & Emergency Power Generator.

Maintaining a server in-house is a 24 x 7 commitment that requires a sizeable financial investment. Training, time, and miscellaneous expenses divert significant resources from your organization's critical core functions. When it comes to performance, the speed at which your data moves may depend largely on other traffic carried by your local ISP.

A busy or down server will quickly erode the customer confidence you worked so hard to achieve. Why commit resources to managing a server on your premises, when you can leverage the speed advantage of locating your server right on the Internet backbone? Server co-location at AMSYS-ASP provides the perfect answer. Here are a few of the key features and benefits of AMSYS-ASP™

- 10 or 100Mb connection to a robust, OC3 fiber-based, multi-homed backbone with direct connections to Sprint, PSI, UUNet, AOL, ATT, Digex, Cable & Wireless, and AGIS.

- 17,000sf. of secure, Class A, mainframe-quality, raised-floor datacenter, where you can mount your servers in a rack, cabinet, cage or private suite.

- Biometric Hand Scanning security and access controls.

- Full technical service facility with repair shop and customer staging areas.

- Complete climate-controlled space with filtered air and redundant cooling towers.

- 24 x 7 server monitoring, maintenance and emergency repair services.

- Triple redundant power feeds, filtered and backed up by a dedicated UPS room.

- Automatic diesel backup power generator.

- Daily, weekly or monthly tape backup services available.

- Bank-quality, environmentally controlled Diebold media vault.

- Secure web-based bandwidth monitoring tools.

- Remote Hands to reboot your systems in case your server locks up.

- FM-200 fire suppression backed up by pressurized dry-pipe and 24 hour monitoring.

- No out-of-pocket cost for installing and maintaining your own T1 lines.

- No routers or networking equipment to buy or maintain.

The AMSYS-ASP Datacenter is located in the Savvy-Space Data Facility at 777 Old Saw Mill River Road in Tarrytown, NY. Minutes away from the media capital of the world, the AMSYS-ASP datacenter is the perfect home for your servers. We encourage all customers, and potential (future) customers to take a guided tour of our Datacenter. Please call Ed Heere, our President & CEO, at (203) 431-1500 (or 800-559-2983) for an appointment.

Virtual/Dedicated FAQ's

1. What is the difference between a Virtual Server and a Dedicated Server?

2. What are the advantages of a Dedicated Server?

3. When should I upgrade my Virtual Server to a Dedicated Server?

4. Who owns the Dedicated Server hardware?

5. Who provides system administration for the Dedicated Server?

1. What is the difference between a Virtual and a Dedicated Server?
A Virtual Server resides on a computer that also hosts other Virtual Server accounts. This means that the computer's hardware resources and associated bandwidth are shared among multiple sites. A Virtual Server is an excellent solution for small to medium sized businesses that want to create a powerful Internet presence. By contrast, a dedicated server is an "industrial-strength" system of hardware, operating system software, and web server software which you control and to which you have exclusive access. All of the server's powerful resources and bandwidth are allocated entirely to your Internet site, enabling you to offer features and service levels to your customers, employees, and suppliers that go beyond the standard capabilities of a Virtual Server.

2. What are the advantages of a Dedicated Server?
A dedicated server gives you the ability to build an interactive web site capable of handling hundreds of thousands of hits per day. This is the ideal solution for high traffic sites that have high bandwidth and server requirements. On-line malls, high-profile software repository sites, and large e-commerce businesses generally require at least one dedicated server to maintain top performance levels.

3. When should I upgrade my Virtual Server to a Dedicated Server?
You should consider migrating to a dedicated server when your Virtual Server traffic grows to more than 50,000 hits per day. When traffic reaches this level, the performance of a Virtual Server degrades and a dedicated server becomes necessary to ensure availability and performance.

4. Who owns the Dedicated Server hardware?
We own and maintain all of the server hardware. You benefit from this because if a piece of hardware fails we have the spare parts on hand along with the knowledge of the configuration to repair any problems immediately. This provides you with complete administrative control of the Server without worrying about hardware problems and support issues.

5. Who provides system administration for the Dedicated Server?

With a Dedicated Server, you have total administrative control of the server, as if you were hosting it on your very own Server at your location. This means that you have the flexibility to configure the system and the applications to meet your unique business requirements. If you should need assistance with system administration, our expert engineers can provide you with remote "eyes and hands" support.

Co-location FAQ.'s

1. What are co-location services?

2. What kind of co-location services does AMSYS offer ?

3. What benefits does co-locating with AMSYS provide besides bandwidth?

4. Why should I co-locate a server instead of getting T-1(s) to my location? Pros and Cons.

5. My local ISP offers the same service. Why should I use AMSYS?

6. What if my server crashes?

1. What are co-location services?
Co-location refers to physical presence of servers in an ISP's network operation node. Typically the co-located server has a direct Ethernet connection to the backbone router(s) of the ISP.

2. What kind of services does AMSYS offer ?

A) What level of uptime can I expect ? We are striving to provide an uptime level of 99.7% on a monthly basis. In other words we reserve the option of 2 hours of downtime per month for maintenance. Uptime in this case will be a pingable IP address.

B) Power circuits/batteries/generator ? Each Co-location client will receive two separate power circuits. One circuit is standard non-backed up power (for monitors, etc) and the other circuit will be backed up.

C) 24 hours 7 days a week access. The client will have 24 hours 7 days a week access to their Co-location site.

3. What Benefits does co-locating with AMSYS provide besides bandwidth?
10 or 100Mb connection to a robust, OC3 fiber-based, multi-homed backbone with direct connections to Sprint, PSI, UUNet, AOL, ATT, Digex, Cable & Wireless, and AGIS.

- 17,000sf. of secure, Class A, mainframe-quality, raised-floor datacenter, where you can mount your servers in a rack, cabinet, cage or private suite.

- Full technical service facility with repair shop and customer staging areas.

- Complete climate-controlled space with filtered air and redundant cooling towers.

- 24 x 7 server monitoring, maintenance and emergency repair services.

- Triple redundant power feeds, filtered and backed up by a dedicated UPS room.

- Automatic diesel backup power generator.

- Daily, weekly or monthly tape backup services available.

- Bank-quality, environmentally controlled Diebold media vault.

- Secure web-based bandwidth monitoring tools.

- Remote Hands to reboot of your systems in case your server locks up.

- FM-200 fire suppression backed up by pressurized dry-pipe and 24 hour monitoring.

- No out-of-pocket cost for installing and maintaining your own T1 lines.

- No routers or networking equipment to buy or maintain.

3. **Why should I co-locate a server instead of getting T-1(s) to my location? Pros and Cons:**

   Pros of Co-location:

   a. Cost savings: No Telco charges for Leased Line services, which results in saving of hundreds to thousands of dollars per month.

   b. Higher Reliability: It is a known fact in the Internet Access business that the number one cause of downtime is associated with failing Telco based leased lines. Co-location servers have a direct and short connection to the backbone router, yielding close to 100% uptime. Power outages still contribute a large percentage of downtimes for internet companies. However, with AMSYS-ASP's Co-location services, you receive battery backed up power with generator ties for continuous network operation.

   c. Faster Network Connectivity: Co-location servers will have a direct Ethernet running at 10Mbps or 100Mbps connections, these machines are not limited by slow Telco based circuits running at ISDN or T-1 speeds. Ethernet based connections also have a much lower latency than leased lines which results in a faster response time for latency sensitive applications such as telnet.

   Cons of Co-location:

   Machine Manageability: The only disadvantage with Co-location is that the server is not located close to the client's operation. That means remote management for the machine can become an issue. AMSYS-ASP is monitored and manned 24x7, so when your machine needs attention or a reboot, you can do it remotely, or give us a call.

5. **My local ISP offers the same service. Why should I use AMSYS-ASP?**
Does your ISP know the first thing about Network Engineering? That's all we do here. Our geeks are certified and have over 60+ people years of experience in dealing with technology. This means more uptime for your servers and above all you get results.. **NOT** excuses.

Consider, also: does your ISP offer any of the added benefits which AMSYS can provide?

24 hour a day UPS? Weekly back-ups? Low price? 24 hour a day monitoring? Remote Access? Knowing eyes watching your critical data all day and night?

For the increased value added benefits which AMSYS offers with its Co-Location services, there is no comparison.

6. What if my server crashes?
24 hour a day, 365 days a year technical support is available to handle this, and other emergency issues. When you sign up, AMSYS will give you a technical support phone number, pager number, and e-mail address. All of the aforementioned are available 24 hours a day 365 days a year for emergencies.

What if I still have questions?
If you have any questions, or need assistance of any kind, please do not hesitate to contact us.

Sincerely,

AMSYS, INC.

Ed Heere

Edward C. Heere
President & CEO