CACHEBOX solutions for Service Providers

OVERVIEW

As a service provider you want to build a reputation for fast, reliable access to the Internet. You also want to grow your business by keeping your costs down and add more subscribers to your network.

Unfortunately, the explosion in Internet video and social networking sites means customers are demanding faster speeds and more bandwidth. If supply is limited and upgrading your capacity is too expensive an option, you've got a problem!

You need a way to use your existing bandwidth more effectively, making better use of what you've already got.

A web caching server is the obvious solution. Most caching vendors add functionality that's just not important to service providers but still expect you to pay a higher price.

That's where the ApplianSys **CACHE**BOX can help. Our experience with service providers around the world has shown that whether you're in Ghana or in California, **CACHE**BOX is the ideal solution when Internet bandwidth is in short supply or very expensive.

BENEFITS

Save bandwidth and lower your costs

CACHEBOX reduces bandwidth use by caching http traffic and content from popular video portals like YouTube and social networks like Facebook. It offers you further savings by caching software updates from vendors like Microsoft, Apple and Adobe. Lower bandwidth use keeps your costs low because you don't have to upgrade to more expensive transit links.

Add more users

Lower costs mean you can drop your prices below your competitors to attract more business. What's more, the additional free space lets you increase the number of subscribers on your network without decreasing the quality of your service.

Improve customer satisfaction

By bringing content closer to your customers, **CACHE**BOX increases average response rates and speeds up file downloads. Subscribers will be happier with your service and stay loyal for longer.
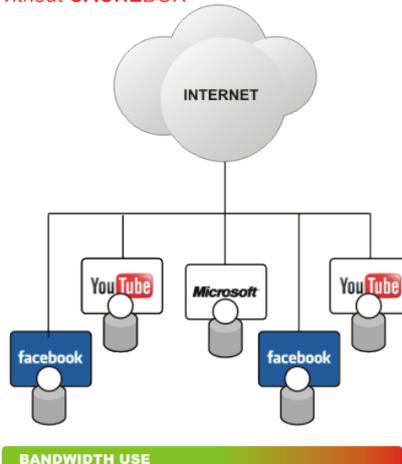
Add new services

More free space also means you can offer new services like Voice over IP, or charge premium prices for quality service.
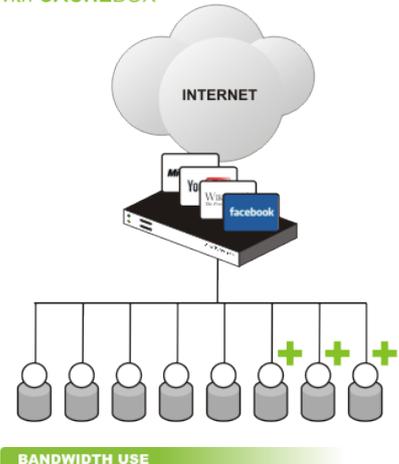
Save time and eliminate headaches

ApplianSys has designed **CACHE**BOX to be quick to deploy, simple to use and easy to maintain. Now you have one less thing to worry about.

Without **CACHE**BOX

With **CACHE**BOX

Detailed logging and graphical reporting

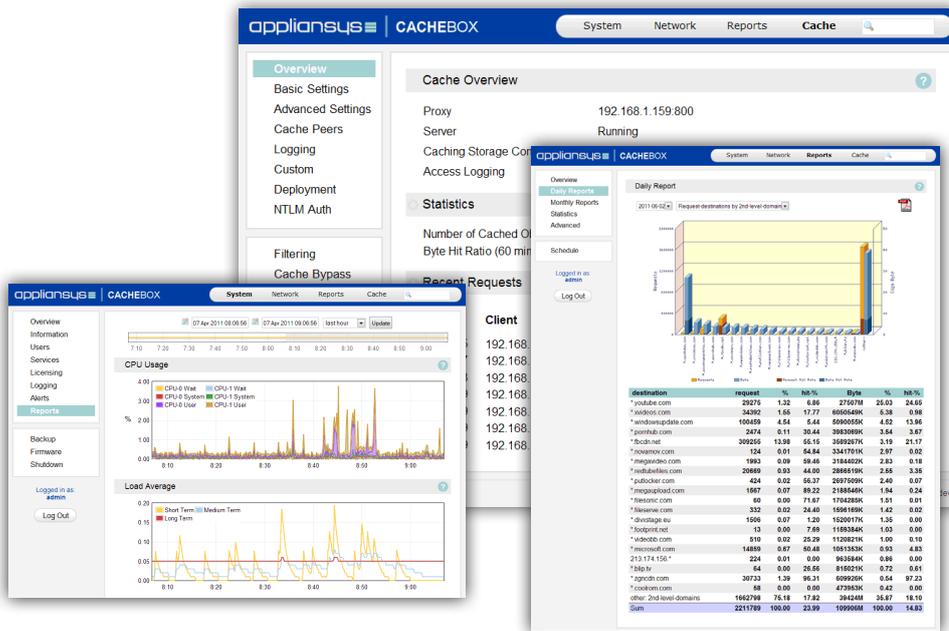# FEATURES

Save bandwidth, save money

- Fully featured caching software support for HTTP

- Flash video caching (YouTube, Google Video, etc)

- Software update caching (MS Windows, AV Software etc)

- Content pre-fetching

Easier to manage

- Secure web administration interface

- On-box graphical reporting

- Operating system runs from read only Industrial CompactFlash

- SNMP support allows the box to be monitored by standard networking tools

- Supports custom ACLs

- Logging

Flexible deployment

- Forward, transparent, explicit and interception deployment modes, including Bridge mode with Fail-to-Wire resiliency

- Clustering, load balancing and hierarchies

- WCCP Support (v.2, GRE and Layer 2)

- IP spoofing

- Active Directory integration via NTLM authentication

- Firewall with NAT forwarding for networking flexibility

CACHEBOX**310** and **CACHE**BOX**230** use Solid State Drives (SSD), giving you up to 3,600 HTTP requests per second in a 1U format. If you have a very heavy caching workload, clustering will deliver higher performance. Depending on your type of traffic, the '230' can support more than 10,000 users per appliance at 300Mbps, with '310' supporting upto 20,000 users at 500Mbps with a single unit. Other vendors only offer this level of performance with bigger, more expensive devices.

CACHEBOX**210** is perfect for small ISPs, and gives you excellent performance at a low price point.

CACHEBOX**100** is a 1U rack-mountable appliance best suited to very small ISPs. **CACHE**BOX**050** has the same features and performance level as the '100' but is a small form factor device, about the size of a standard laptop. You can use them alone or with **CACHE**BOX**200** series appliances deployed further upstream.

RANGE

	Usage	Form Factor	*Performance
			(HTTP Requests Per Second)
CACHEBOX**050**	Very small ISP	Small Form Factor Desktop Unit	400
CACHEBOX**100**	Very small ISP	19" 1U Rack-mountable	400
CACHEBOX**210**	Small ISP	19" 1U Rack-mountable	1900
CACHEBOX**230**	Medium/large ISP. Network core. Performance & large file storage	19" 1U Rack-mountable	2500
CACHEBOX**310**	Large ISP. Network core. Performance & large file storage	19" 1U Rack-mountable	3600
CACHEBOX**CMC**	Remote administration of up to 2000+ **CACHE**BOXes	19" 1U Rack-mountable	Not Applicable

Note: *Peak performance achieved under test conditions.   Real life performance limits vary, depending on network and traffic characteristics

*"I chose to use **CACHE**BOX from ApplianSys because the company has a strong focus on web caching solutions...Quite simply, **CACHE**BOX is the ideal solution for ISPs operating where internet bandwidth is in short supply or very expensive."*

Teledata ICT, Ghana

For more information please visit: **www.appliansys.com** or call us on: **+44 (0) 8454 50 51 52**