

### Did You Know...?

Starnet offers numerous IT-related services in support of many of today's complex IT operational issues.

#### **StarCONVERGE™ -**

Converged Voice/Data Practice

#### **StarVIEW™ -**

Real Time Application Performance Monitoring

#### **StarDESIGN™ -**

Network Infrastructure Design

#### **StarASSURE™ -**

Managed Solution for Voice Communication

#### **SOS™ (Starnet Ongoing Services) -**

Network Maintenance Service

#### **StarTRACK™ -**

Maintenance Contract Management

#### **StarWATCH™ -**

Remote Network Monitoring

#### **StarDR™ -**

Disaster Recovery – Business continuity Managed Service

#### **StarSECURE™ -**

Firewall, VPN, 2-Factor Authentication, Content Filtering, Secure Proxy, IDP

### **WESTLAKE VILLAGE-CA**

2659 Townsgate Rd, #227  
Westlake Village, CA 91361  
Phone: 805.371-0585  
CA Toll Free: 800.779-0587

### **PHOENIX-AZ**

11022 N 28<sup>th</sup> Dr #205  
Phoenix, AZ 85029  
Phone: 480.421-9217  
AZ Toll Free: 866.477-4450

[www.starnetdata.com](http://www.starnetdata.com)

*---"Scope" your WAN bandwidth to identify any abuses of bandwidth or potentially dangerous WEB surfing tendencies. Assure that your organization's utilization of precious WAN bandwidth is in alignment with company objectives and is not subjecting the organization to potential MALWARE infestation---*

## **StarSCOPE™**



## **Starnet's Internet Usage Visibility and WAN Bandwidth Utilization Assessment Service**

### **The Problem: Lack of Visibility of How Your Precious WAN Bandwidth Is Being Utilized By Your Internal Users**

Unproductive web searching not only causes lost hours of productivity, but it can now jeopardize your personal and proprietary information.

Today, more than 80% of all malware infections originate from trusted websites. Websites you wouldn't think twice about visiting, like "The Big Red Bullseye" or "The Price Slashing Smiley Face," have recently been known to be infected with cutting-edge malware that popular antivirus scanners can miss for months.

Furthermore, illegal web surfing by an employee can be a legal liability for employers. In late-2007, an employee sued their California employer, and won, because they witnessed another employee surfing inappropriate websites.

### **The Solution: StarSCOPE™**

StarSCOPE™ will provide you the visibility you need to gain an understanding of how your WAN bandwidth is being used, by whom and to what degree.



## StarSCOPE™ = VISIBILITY

- Classifies and measures network applications bandwidth usage at Layer 7. Over 600 applications can be identified and measured.
- Breaks down traffic per application and per site at a granular level
- Identifies recreational, suspicious, and possibly illegal internet activities
- Identifies potential internet usage that is subjecting your network to unwanted security risks

Gain an understanding as to how to limit recreational internet bandwidth usage, block it entirely, or constrain it to specific times, and/or specific users while simultaneously accelerating desirable network applications for all network users.

Even if you already have URL filtering, we can identify if Filtering Avoidance Technologies are being utilized by users on your network.

## The StarSCOPE™ Approach

The StarSCOPE™ assessment consists of four analysis phases:

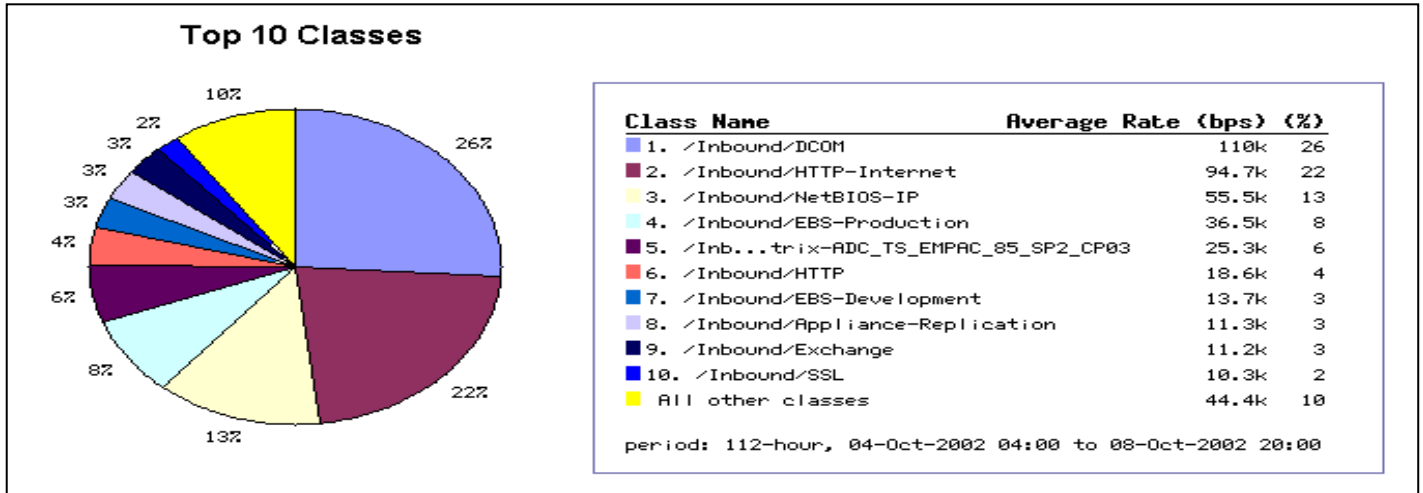
1. *Determine what networks and/or applications need to be monitored*
2. *Install and configure the StarSCOPE™ security tool on the network and monitor for 1 week.*
3. *Retrieval of the security tool and installation of the StarSCOPE™ Layer 7 traffic monitoring tool. Monitor WAN bandwidth utilization for 1 week.*
4. *Compile all data into deliverable report. Deliver and discuss findings.*

Following the assessment period you will receive a WAN BANDWIDTH UTILIZATION Report complied with the following information:

1. *What applications use most of the network bandwidth and to what degree?*
2. *What is the overall utilization of your current internet connection?*
3. *How much bandwidth is being consumed by recreational traffic?*
4. *How much bandwidth is wasted on retransmissions?*
5. *Are there opportunities for shaping bandwidth to bring usage into alignment with company business objectives?*
6. *Who are the top users?*
7. *Is application performance sluggish due to a sluggish network or an overloaded server?*
8. *Are there any critical security loopholes associated with your organization's web surfing habits that need to be mitigated and/or closed?*
9. *Should WEB content filtering be introduced or should existing WEB content filtering be calibrated?*



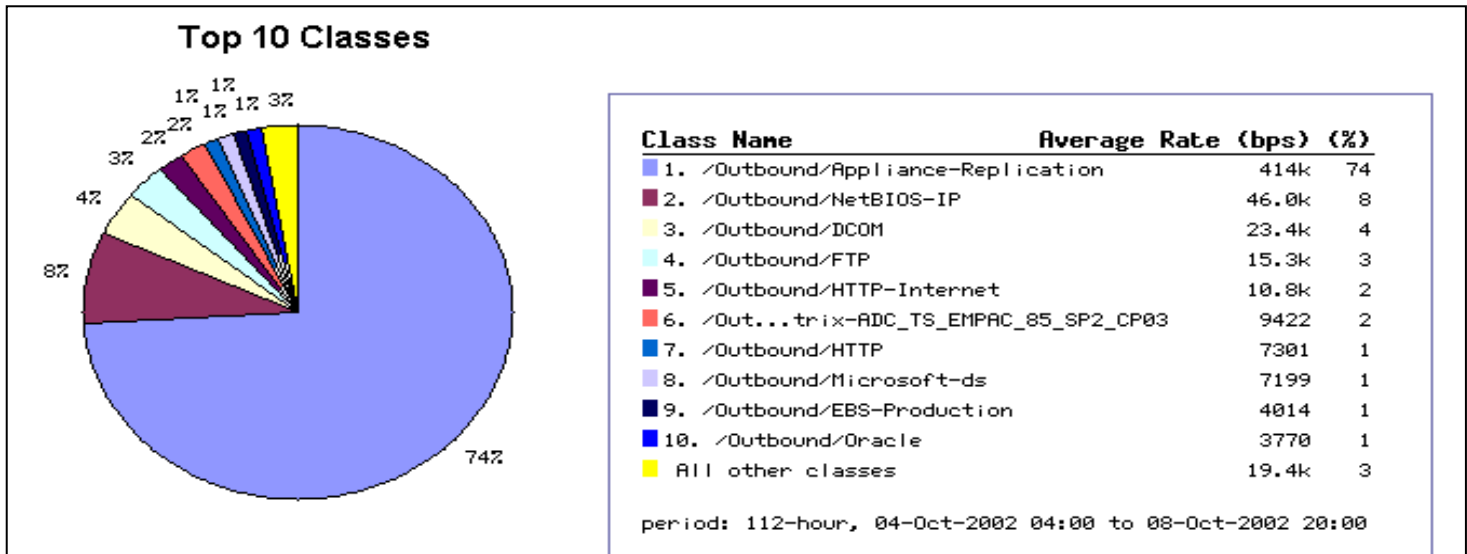
## StarSCOPE™ Sample Graphs



### INBOUND:

The combination of DCOM and Exchange make up 29% of overall bandwidth utilization. Web browsing makes up another 22%.

The NetBIOS-IP traffic is the protocol for windows file and drive sharing and uses another 13%.

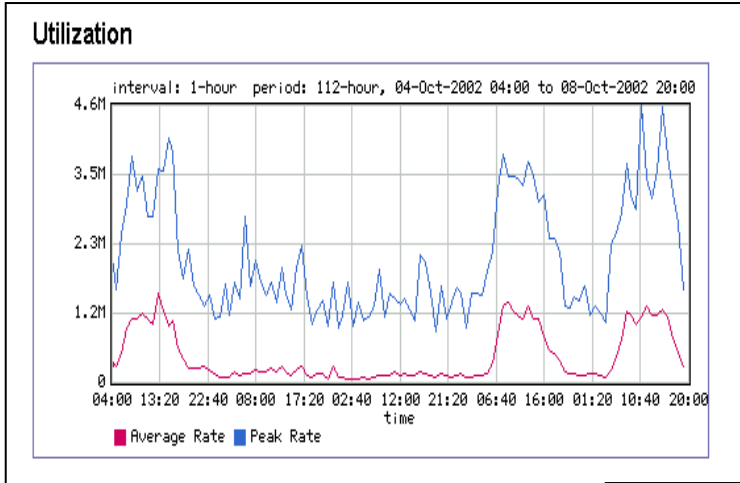


### Outbound:

Appliance Replication traffic consumed 74% of outbound bandwidth utilization. This application needs to be reviewed to determine if this traffic can be optimized or re-scheduled for after business hours.

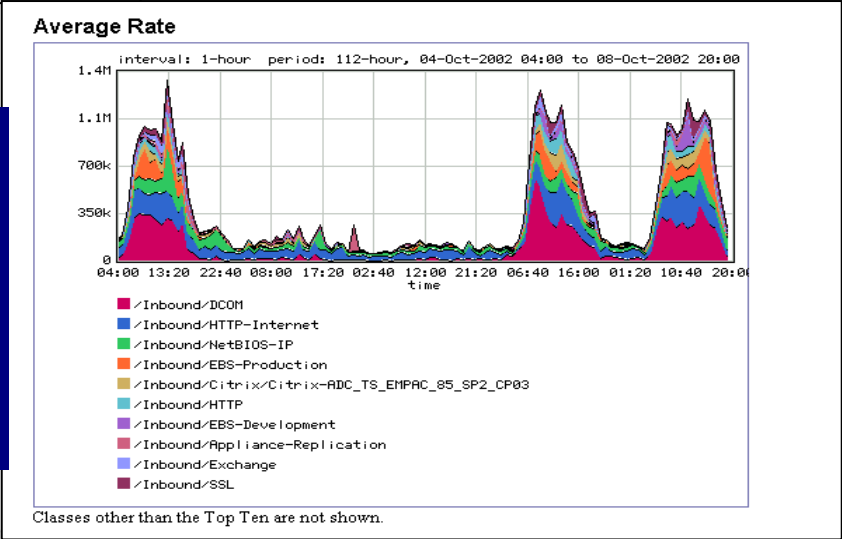


## StarSCOPE™ Sample Graphs



**Inbound:**  
 Inbound utilization generally averages less than a full T-1 with several peaks up to or close to the 4.5Mbps access speed. The delta between the peak and average indicates that the data being received is very bursty.

**Inbound:**  
 The average rate of bandwidth utilization appears to be fairly well split among the top ten applications. Email and external web browsing are the largest users of bandwidth. The three largest peaks are during the normal business hours of Friday, Monday and Tuesday.



Host	Total Bytes	Bytes Received	Bytes Sent	Page Views
1 searchportal.information.com	34.42 k	27.55 k	6.87 k	9
2 content.yieldmanager.com	11.64 k	4.68 k	6.96 k	9
3 ad.iconadserver.com	8.53 k	6.06 k	2.47 k	3
4 load.exelator.com	6.81 k	4.08 k	2.73 k	4
5 log.realone.com	3.22 k	1.91 k	1.30 k	7
6 afe3.specificclick.net	2.58 k	788 b	1.81 k	2
7 74.86.135.170	982 b	237 b	745 b	1
8 cts.metricsdirect.com	804 b	372 b	432 b	1

**Spyware:**  
 The sites listed have been categorized as being Spyware infected. Research into these sites showed the use of tracking cookies, a low-level security threat.

Find out if StarSCOPE™ is right for you. Ask your Starnet Business Development Manager today.