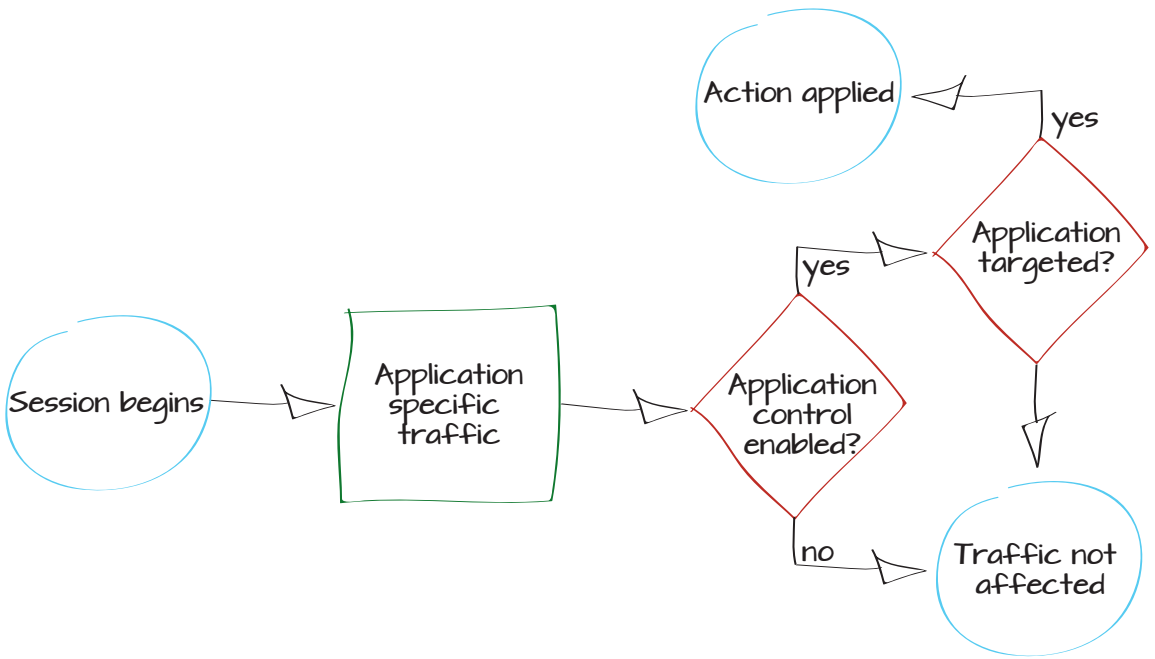
Controlling network access using application control

This example uses application control to monitor traffic and determine what applications are contributing to high bandwidth usage or distracting employees. After this is determined, a different application sensor is used to block those applications from having network access.

1. Creating an application sensor to monitor network traffic
2. Adding the monitoring sensor to a security policy
3. Reviewing the application control monitor
4. Creating an application sensor to block applications
5. Adding the blocking sensor to a security policy
6. Results

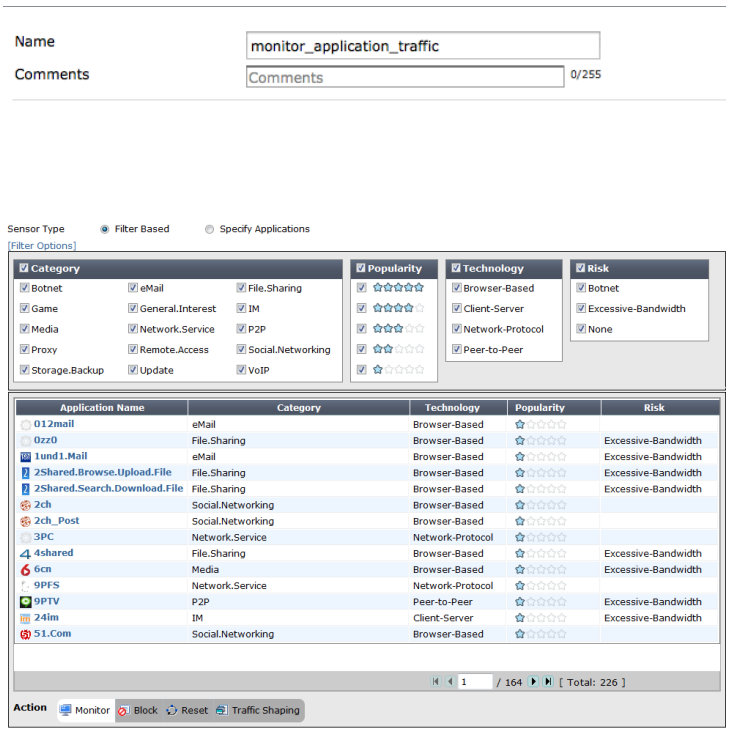


Creating an application control sensor to monitor traffic

Go to **Security Profiles > Application Control > Application Sensors**. Select the plus icon in the upper right corner of the window to create a new sensor list for monitoring application traffic.

Select **Create New** to add a new application filter. Leave all **Filter Options** selected.

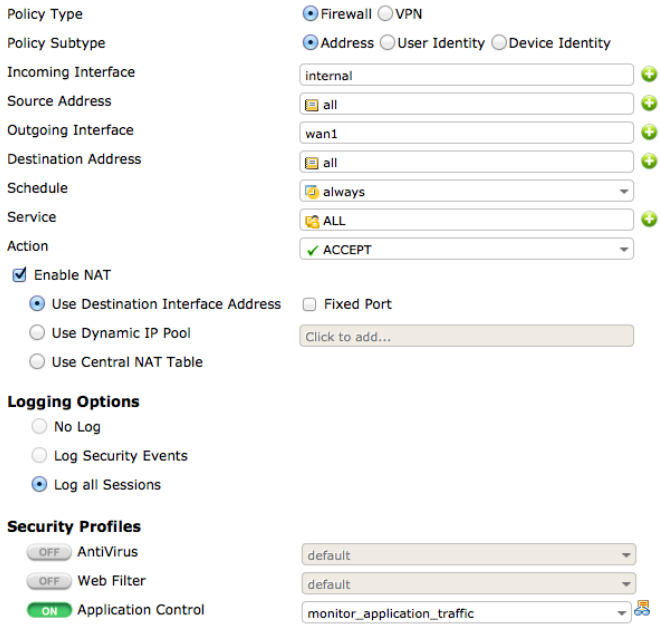
Ensure that you set the **Action** to **Monitor**. At this stage in the process, you are monitoring the traffic to locate any problems that may be occurring, rather than blocking applications.



Adding the monitoring sensor to a security policy

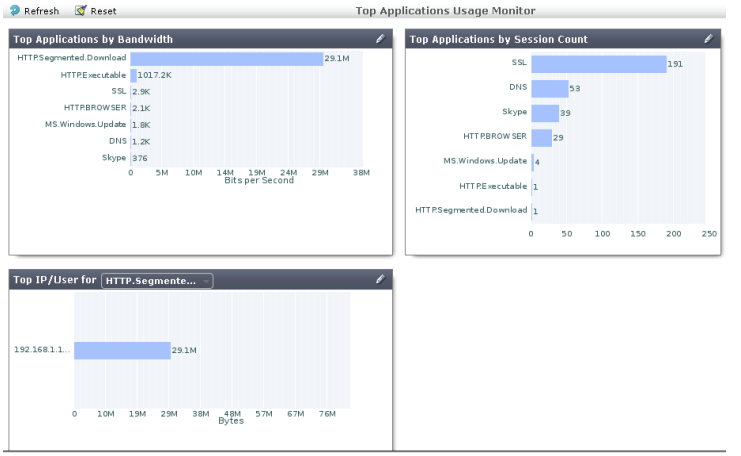
Go to **Policy > Policy > Policy**.

Edit the security policy that allows internal users to access the Internet. Under **Security Profiles**, enable **Application Control** and set it to use the new filter.



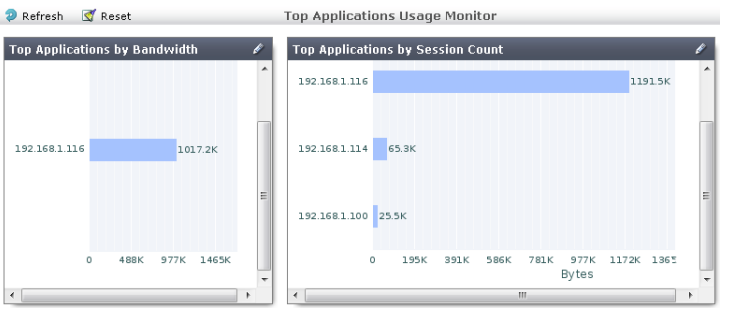
Reviewing the application control monitor

Go to **Security Profiles > Monitor > Application Monitor** to see the results found by the application sensor.



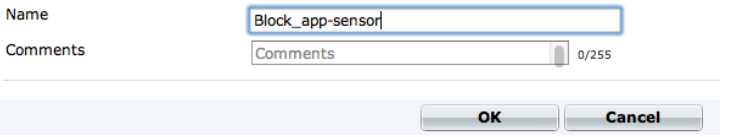
Select a bar to see further details on the usage statistics.

In the example, you can see an occurrence of an HTTP segmented download, which typically occurs during Peer-to-Peer (P2P) downloads. To avoid this from occurring in the future, P2P applications must be blocked.



Creating an application sensor to block applications

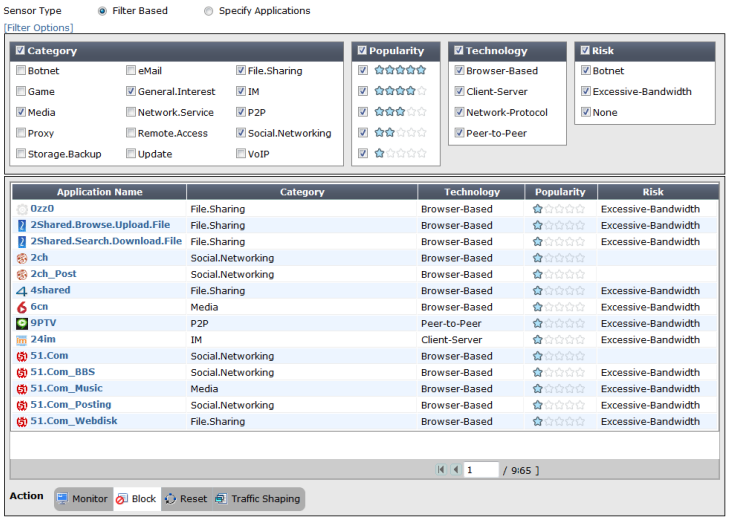
Go to **Security Profiles > Application Control > Application Sensors** and create a new sensor list for blocking application traffic.



Select **Create New** to add a new application filter.

In the **Category** list, select the application categories you wish to block. As well as blocking P2P, other types of applications can be selected that are known to distract employees.

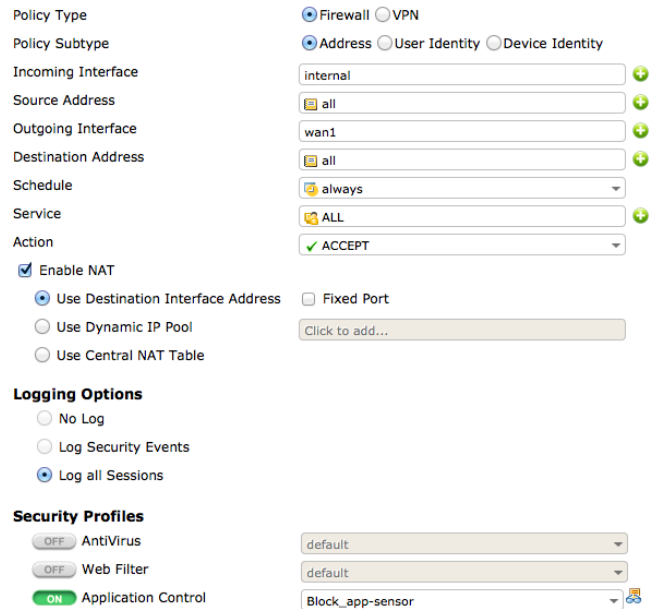
Ensure that you set the **Action** to **Block**.



Adding the blocking sensor to a security policy

Go to **Policy > Policy > Policy.**

Edit the firewall policy allowing internal users to access the Internet. Under **Security Profiles**, enable **Application Control** and set it to use the new filter.



Results

Go to **Log & Report > Traffic Log > Forward Traffic**.

You can see the sensor is working and blocking the traffic from the selected application types, including the P2P application Skype.

Select an entry to view more information, including the application name and the device the traffic originated on.

Application Name	Application Control List	Application Category	Application Control Acti
Skype	Block_app-sensor	P2P	drop-session
Skype	Block_app-sensor	P2P	drop-session
Skype	Block_app-sensor	P2P	drop-session
Skype	Block_app-sensor	P2P	drop-session
	Block_app-sensor		

Dst	157.55.56.147	**Virtual Domain**	root
Received	252	**Source Country**	Reserved
Application Name	Skype	**Src NAT IP**	172.20.120.124
Sent / Received	248 B / 252 B	**Device Type**	Windows PC
Duration	88	**Sent**	248
Src NAT Port	5878	**Application Details**	
Device	00:0c:29:4b:d7:cc	**Service**	40041/tcp
Protocol	6	**byod_name**	
Destination Country	United States	**Application Control List**	Block_app-sensor
Dst Port	40041	**roll**	65499
Status	deny	**Timestamp**	Wed Dec 5 22:36:10 2012
Application ID	10	**OS Name**	Windows
Sequence Number	13720	**Policy ID**	8
Src Interface	internal	**Src**	192.168.1.114
Level	notice	**Application Category**	P2P
Src Port	5878	**Application Control Action**	drop-session
logid	13	**Sub Type**	forward
Threat		**Tran Display**	snat
Date/Time	1 minute ago (Wed Dec 5 22:36:10 2012)	**Dst Interface**	wan1