



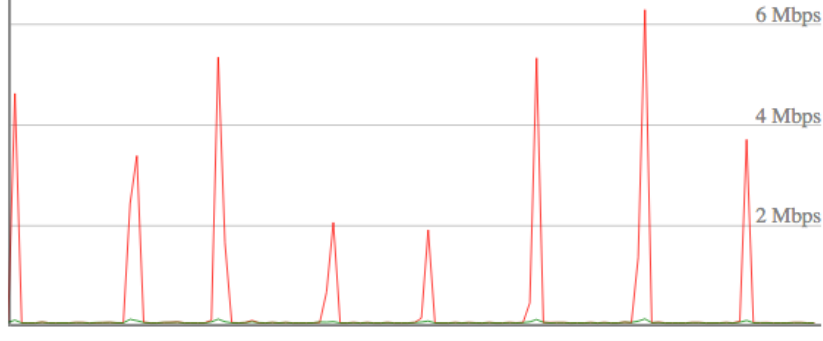
In general our systems do not require a great deal of bandwidth to operate. Most material is downloaded once to the player's on-board memory and then played from that. Exceptions to this are some of our 3rd party integrations, such as YouTube and Vimeo and to a lesser degree the Web Page app, social feeds, etc. YouTube and Vimeo are streaming services and so due to their licensing requirements videos ran in that way will generate more traffic on your network than if you were to upload the video to us using the Video app.

Below is a bandwidth usage test on a typical SmartSign2go playlist which contains many pages of content (about 10 minutes long). Attached are two screen shots of that test. The first one is while the player is booting up and playing through the playlist for the first time (and while it is downloading all content to memory). The time scale for that graph is approx 2-3 minutes.

Bandwidth Monitoring - LAN

In 18 Kbps
Out 19 Kbps

Switch to bytes/s
Autoscale (follow)



Help

Bandwidth Monitoring:

The Adobe's SVG plugin is required to display bandwidth graphs.

Switch to :

Click the label to switch unit (bytes/s or bits/s).

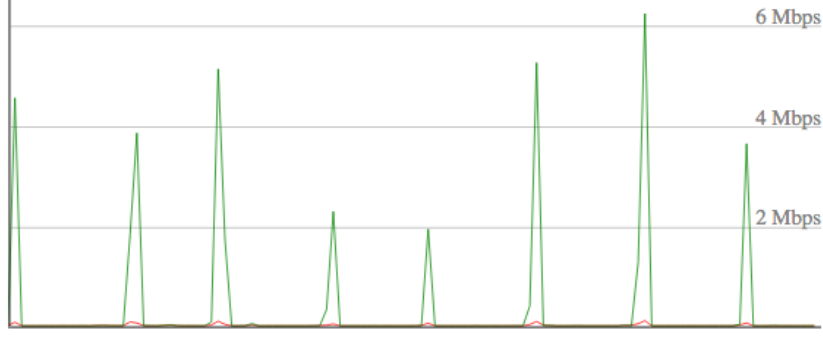
Autoscale:

Click the label to choose graph scale type.

Bandwidth Monitoring - WAN

In 0 Kbps
Out 0 Kbps

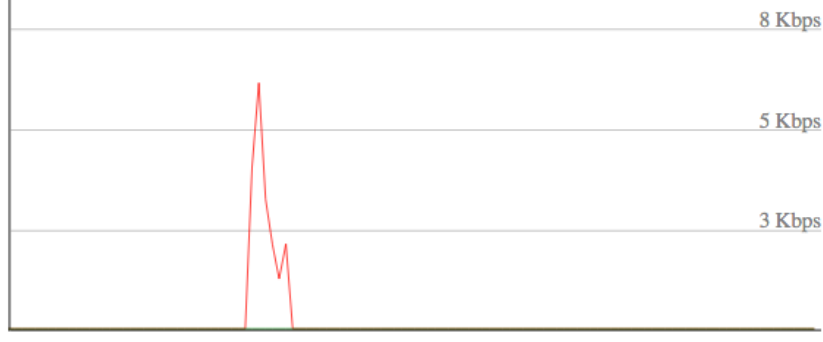
Switch to bytes/s
Autoscale (follow)



Bandwidth Monitoring - Wireless (w10)

In 0 Kbps
Out 0 Kbps

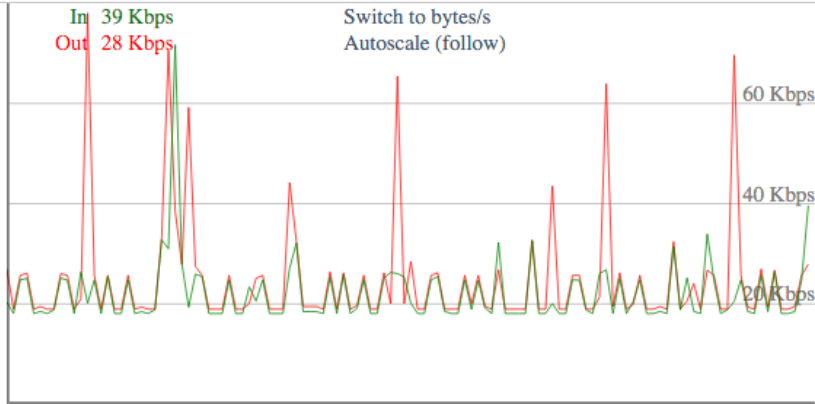
Switch to bytes/s
Autoscale (follow)



Auto-Refresh is On

This second photo (below) shows a graph of bandwidth usage once the player has played through the playlist one time and loaded all content into the cache. As you can see the scale on that second graph is in Kbps as opposed to Mbps in the first, so you can see that once the player gets to round two on the playlist there is very little traffic. Keep in mind also that the traffic results also are showing our computer's communication with the router during the test, so what the player is responsible for is even less.

Bandwidth Monitoring - LAN



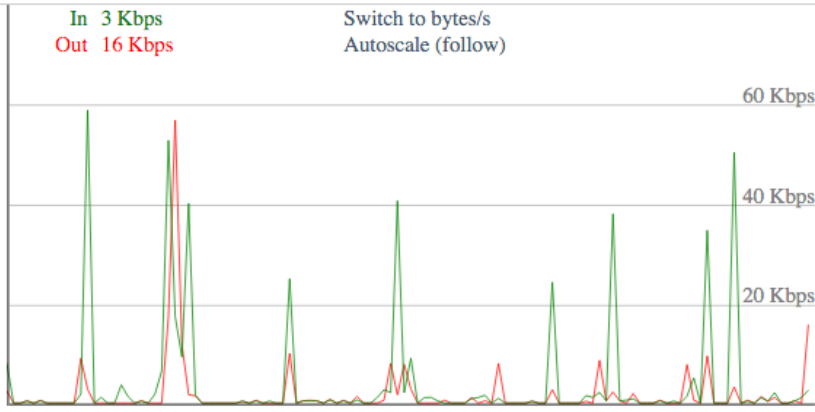
Help

Bandwidth Monitoring:
The Adobe's SVG plugin is required to display bandwidth graphs.

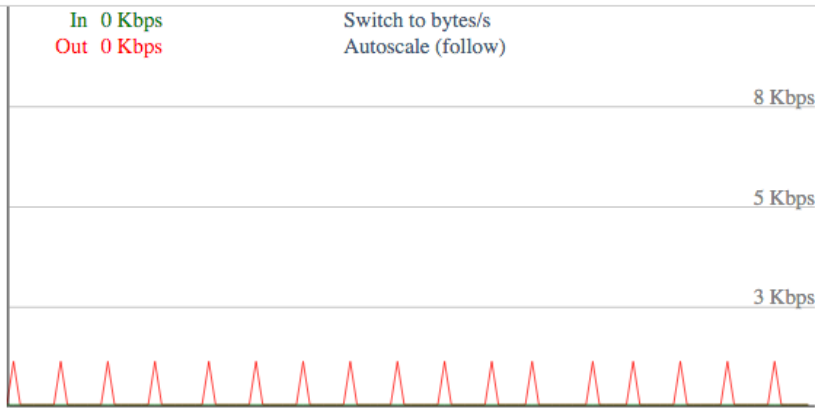
Switch to :
Click the label to switch unit (bytes/s or bits/s).

Autoscale:
Click the label to choose graph scale type.

Bandwidth Monitoring - WAN



Bandwidth Monitoring - Wireless (wl0)



Auto-Refresh is On