SLINGBOX SERVER NETWORKING GUIDE

Sticking it to the Man, one slingbox at a time.

Gerry

Contents

Overview

The following documents shows all the different way you can configure the networking for the slingbox server (SS). The following icons are used for the different pieces

Slingbox Server

Slingbox

Media Player

SlingPlayer, Slingboxes and MediaPlayers all on Same LAN

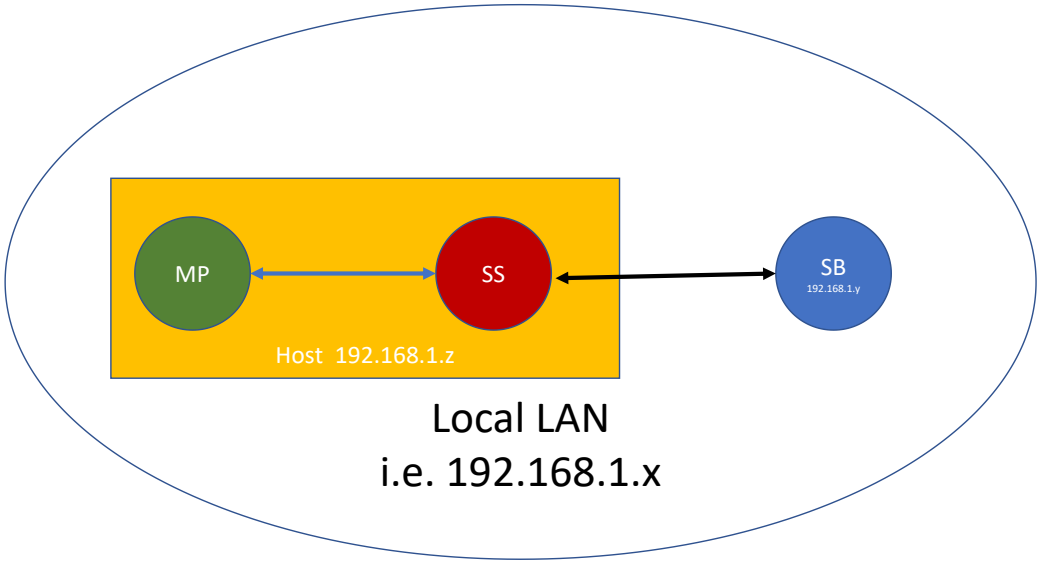

Figure 1. SS and MP on same host

This is the simplest network configuration. If the IP address for the SB is not provided or is wrong, the server will probe the local network for the slingbox and try to use that. The MP can use localhost or 127.0.0.1 for the IP to use to connect to SS. This will bypass any local firewall rules in effect.

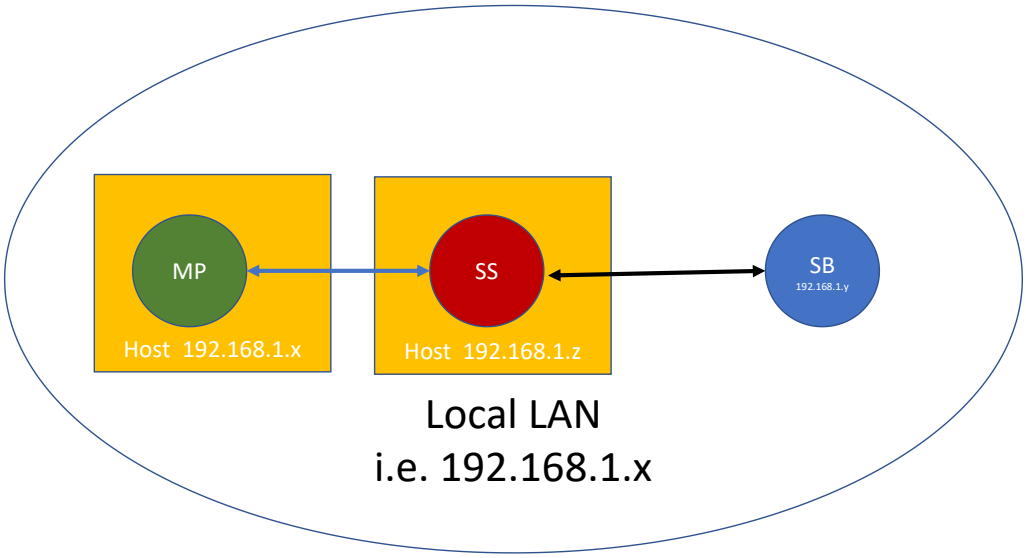

Figure 2. SS and MP on different hosts

This is the next simplest configuration. The MP is on some other device on your network and connects to the host running SS in this example 192.168.1.z. In this case the MP would use the IP address of the host running SS. i.e. http://192.168.1.z:8080/slingbox.

If you don't see the connection attempt in the SS program output the most likely reason is the local firewall where SS is running is blocking the request. Disable the local firewall to verify and then fix the firewall configuration to allow connection on the SS port (8080 in this example).

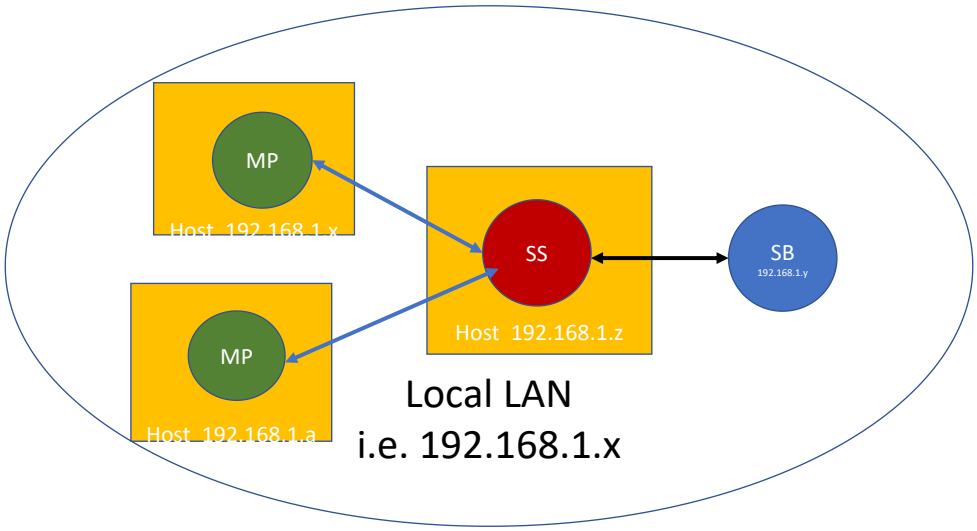

Figure 3. Multiple Media Players

This diagram shows multiple MPs on different host. They can all connect at anything time to the SS to view what is currently being streamed by the SB.

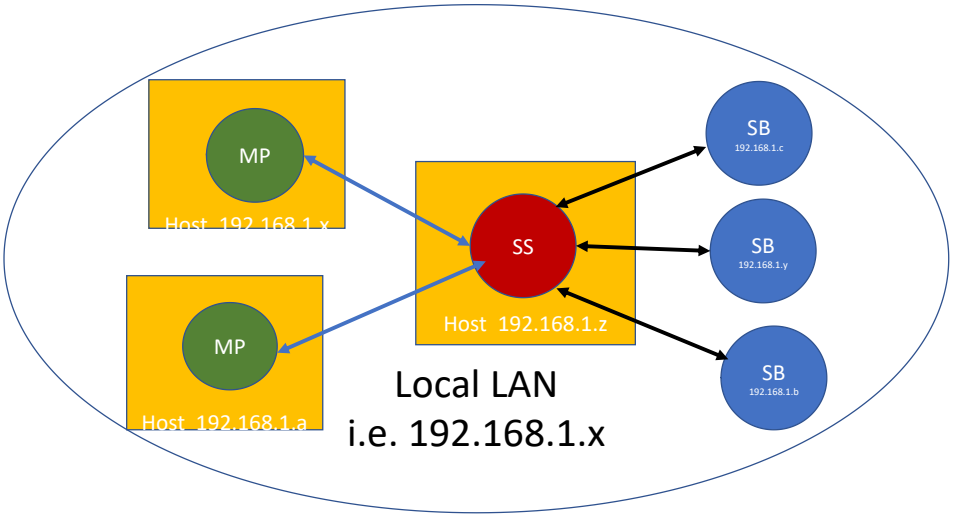

Figure 4. Local Network with multiple SBs and MPs.

In this configuration, any of the MPs can view the output of any of the SBs at any time. In this case it's recommended that the user use the "integrated config.ini" feature documented in the V3.08 release notes to simplify the required local firewall configuration.

Connecting to SS from the Internet

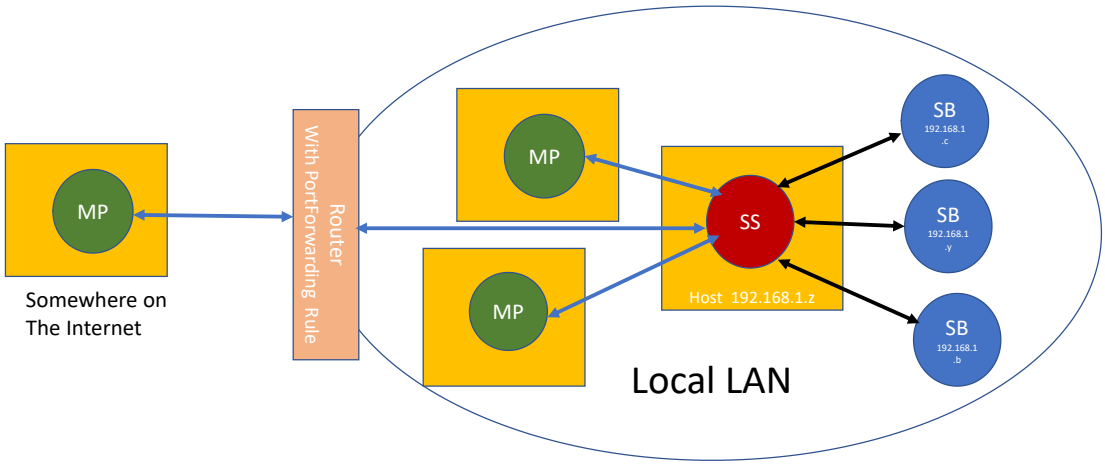

Figure 5. Remote Media Player(s)

This diagram shows a MP somewhere on the Internet connecting through the local LAN's router to stream video from the SBs. The MP uses the Internet routable external IP of the local router to connect. i.e. http://1.2.3.4:8080/slingbox. The router MUST have the appropriate port forwarding rule(s) in place

to direct the connection attempt to the SS host.

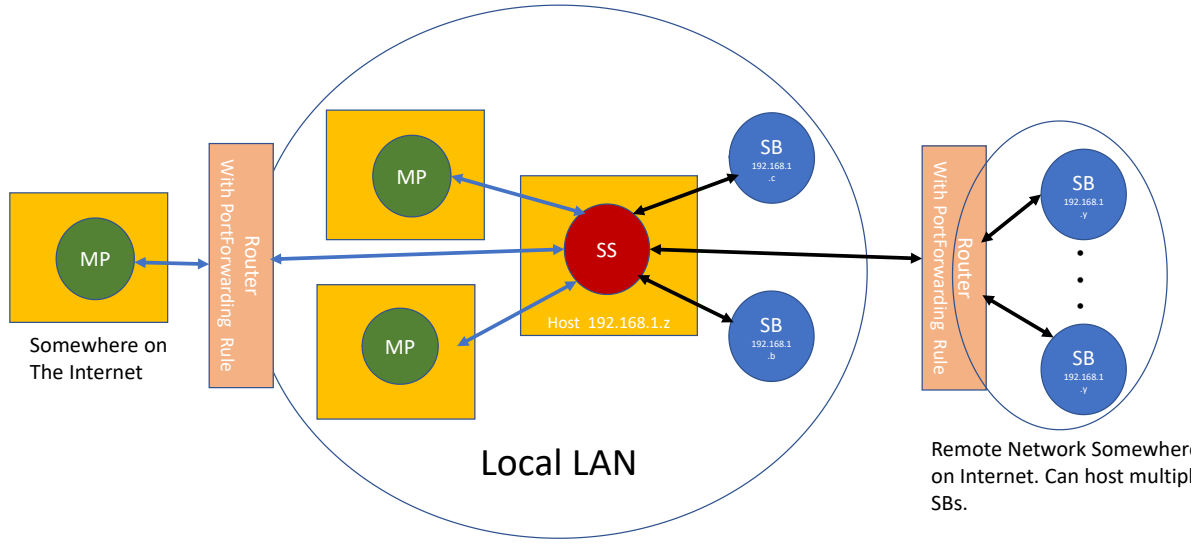

Figure 6. Slingbox Server with Remote Slingbox

This diagram shows a SB hosted on some other site on the Internet. In this case the config.ini file for that SB will contain the Internet routable IP address (the external IP address of the router in front of the SB). The remote router on the external SB network must have a port forwarding rule(s) to send the SB connection requests from SS to the appropriate SB behind the router. In this case the port number being forwarded is the port used by the SB not the SS. The remote network(s) can contain as many SBs as you like.

Fully Distributed Configuration (Cloud-based SS)

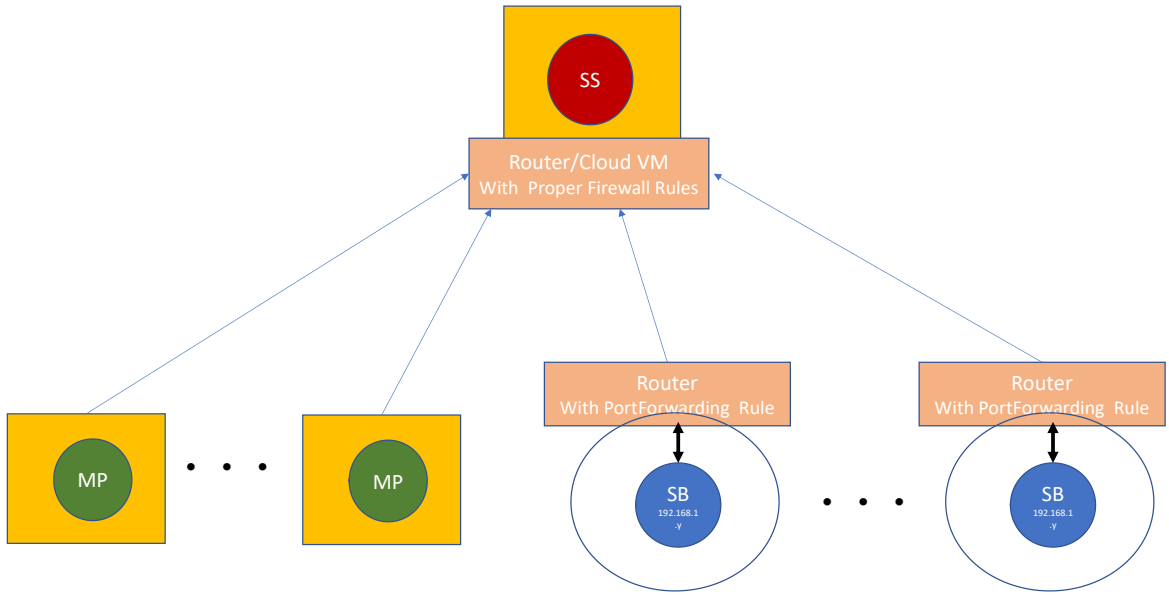

Figure 7. Fully Distributed Network

In this configuration all the individual components are hosted on various Internet accessible nodes. All the IP addresses used will be Internet routable.

Using the Web-based Remote Control

In all the example you can connect to the server to get a web-based remote control page for a SB. Give your browser the Same URL as you used for the MP by replace “slingbox” with “Remote”. This may not always be correct depending on how you have configured URLbase and [SLINGBOXES]. Read the 3.08 release notes for details.

More than one Slingbox Server?

For whatever reason, you may want or need to have multiple SSs in your network. Maybe one running on a laptop you roam with and one running at home. In this case, it’s perfectly valid to have some or all of the same SBs configured on the different Servers. The only caveat is you cannot connect to the same SB at the same time from the different SSs. If you attempt to make a second connection from a different server the software will kick off the current user and stop their stream. This is because the SB only supports one stream to one Server at a time.

Using a VPN

Can do.

IPV6

Use a IPV4 to IPV6 port forwarding proxy.