

License Pool Manager for AudioCodes MSBR Devices

1 Introduction

The License Pool Manager is part of the EMS platform. The License Pool Manager enables operators to centrally manage MSBR licenses and distribute them dynamically among MSBR devices. The operator has the ability to allocate and de-allocate the licenses for the devices in the pool according to the total number of allocated licenses, which is determined by the EMS server license.

2 The License Pool Manager Benefits

The License Pool Manager facilitates license management between devices without changing the devices' local license key. The License Pool facilitates the adding and removal of licenses for devices according to site requirements without the need to contact AudioCodes. It does not require a new License key file per device from AudioCodes each time the operator wishes to apply different settings to each device. Service providers can manage licenses for multiple customers by using the license pool to globally allocate licenses between them.

3 Managed Licenses

The License Pool Manager allows the management of the following licenses:

- SBC
- SBC-Signaling
- Coder-Transcoding
- FEU (Registered Users)

4 Configuration

This section describes the configuration on the device and in the EMS.

4.1 Device Configuration

This section describes how to configure MSBR devices to be automatically detected by the EMS when they are connected to the network. This works by the device sending coldStart (after device reset) and keep-alive traps to the EMS server.

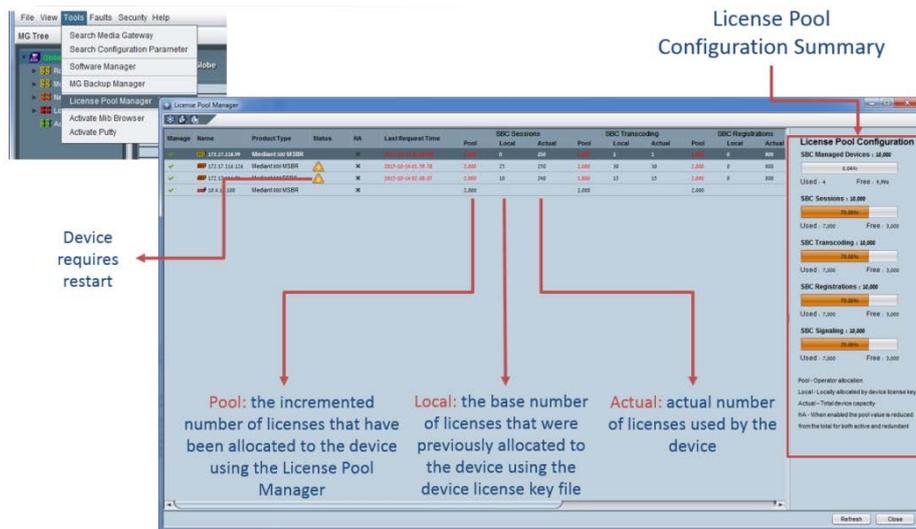
When the device is powered up and connected to the network at the customer's premises and/or is rebooted and initialized, it is automatically detected by the EMS and added by default to the Auto Detection region in the EMS.

4.1.1 Configuration for Version 7.2

```
config system
  snmp settings
    activate-keep-alive-trap interval 35 port 1161
    wan-snmp-allow on
    activate
  exit
  snmp trap
    auto-send-keep-alive enable
    activate
  exit
  snmp trap-destination 0
    ip-address <EMS_Server_IP>
    activate
  exit
```

4.2 EMS Configuration

The figure below illustrate the key elements of the License Pool Configuration screen in the EMS.



License Pool Configuration Summary

Device requires restart

Pool: the incremented number of licenses that have been allocated to the device using the License Pool Manager

Local: the base number of licenses that were previously allocated to the device using the device license key file

Actual: actual number of licenses used by the device

License Pool Configuration

SBC Managed Devices : 20,000

SBC Sessions : 20,000
Used: 7,000 Free: 3,000

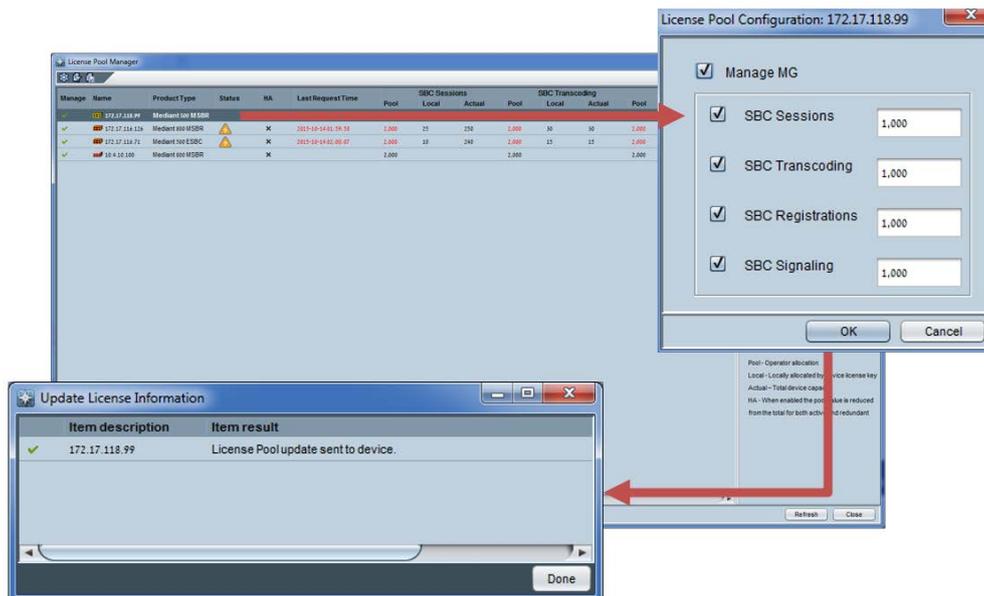
SBC Transcoding : 20,000
Used: 7,000 Free: 3,000

SBC Registrations : 20,000
Used: 7,000 Free: 3,000

SBC Signaling : 20,000
Used: 7,000 Free: 3,000

Pool - Operator allocation
Local - Locally allocated by device license key
Actual - Total device capacity
NA - When enabled the pool value is reduced from the total for both active and redundant

In order for the License Pool Manager to be able to manage the license for each MSBR, the “Manage MG” check box should be selected for each device that you wish to manage. You can then configure the required values for each license parameter (as shown in the figure below). An Update License Information message is sent whenever license information is sent to the device.



License Pool Configuration: 172.17.118.99

Manage MG

SBC Sessions 1,000

SBC Transcoding 1,000

SBC Registrations 1,000

SBC Signaling 1,000

OK Cancel

Pool - Operator allocation
Local - Locally allocated by device license key
Actual - Total device capacity
NA - When enabled the pool value is reduced from the total for both active and redundant

Update License Information

Item description	Item result
172.17.118.99	License Pool update sent to device.

Done