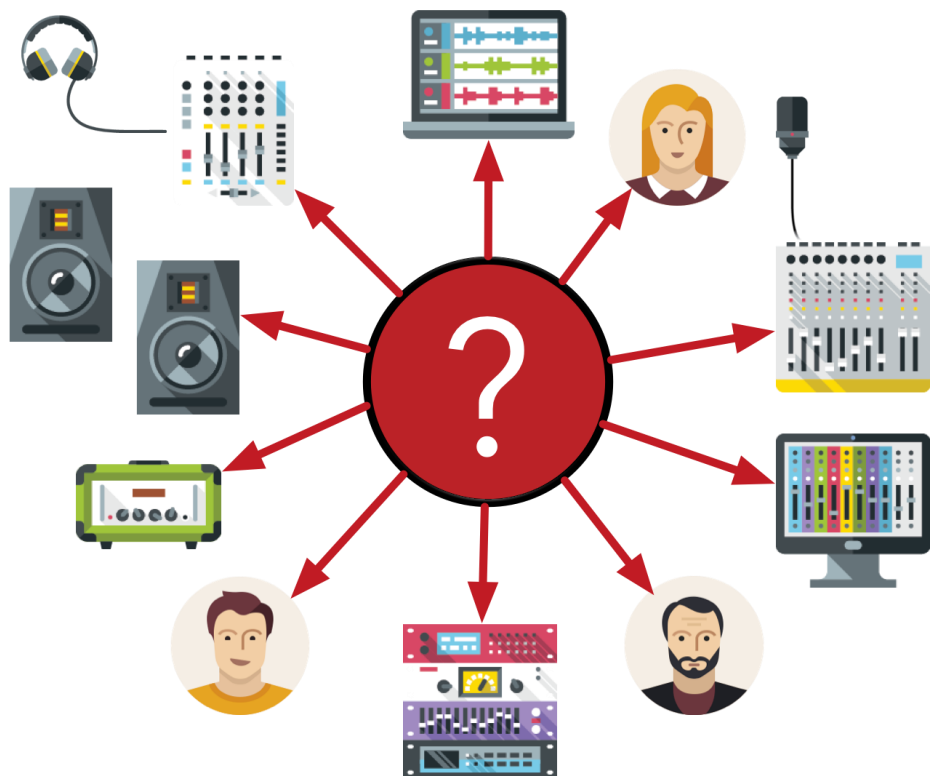




Dante 网络课程:
02-Dante Domain Manager 简介及案例分析

Andy Wei
Sales Manager and Solutions
Specialist, APAC
andy.wei@audinate.com

AV网络系统所带来的IT级的困扰



怎样可以保证只有被许可的修改发生?

怎样可以得知谁修改了系统, 且修改了那些内容?

怎样可以统一集中管理Dante的AV系统?

怎样可以快速的得到系统是否正常运行?

Dante域管理平台是什么呢？

Dante域管理平台是一个可以管理、监控和保护整个Dante网络系统的软件管理平台

运行在服务器、电脑或者虚拟系统, 任何带有浏览器的设备都可以访问

简单直观的操作界面-可随时随地地监控Dante设备的运行状态

不影响音频路由-即使管理平台出现故障, 音频信号仍可继续工作



vmware®



Microsoft
Hyper-V

1-对设备分组，是系统更加具有逻辑性

Dante Domains Organize your Network Devices



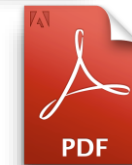
Documents



Pictures



Music



Dante Domains Organize your Network Devices



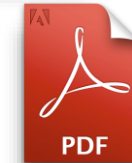
Documents



Pictures



Music



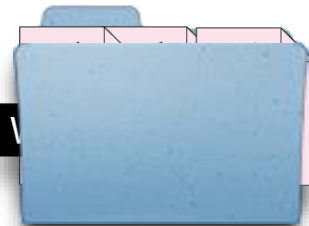
Dante Domains Organize your Network Devices



Documents



Pictures



Music

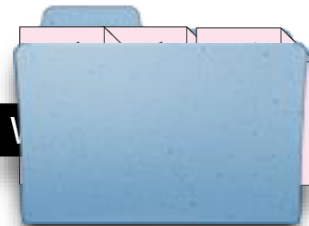
Dante Domains Organize your Network Devices



Documents



Pictures



Music

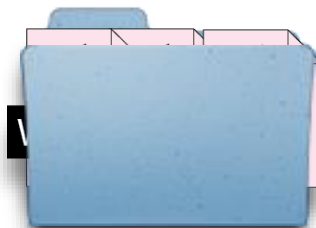
Dante Domains Organize your Network Devices



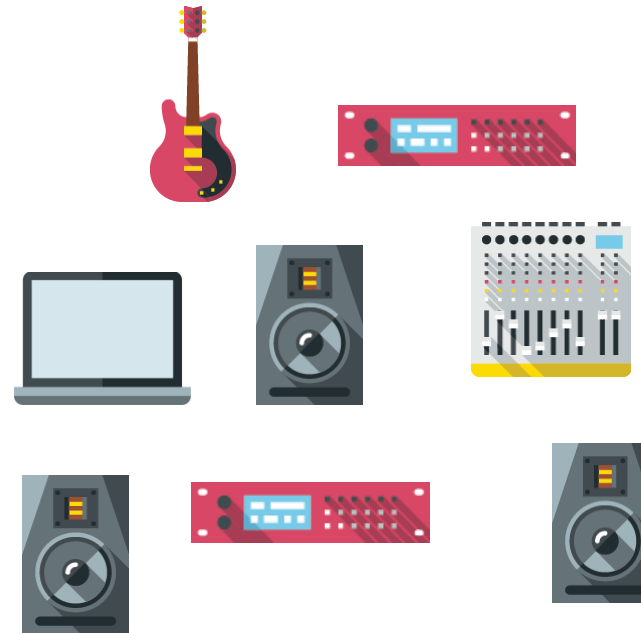
Documents



Pictures



Music



Auditorium



Distributed Audio



Meeting Spaces

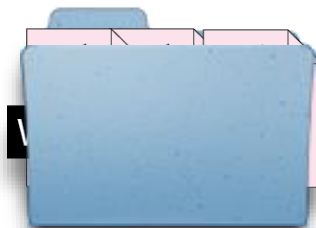
Dante Domains Organize your Network Devices



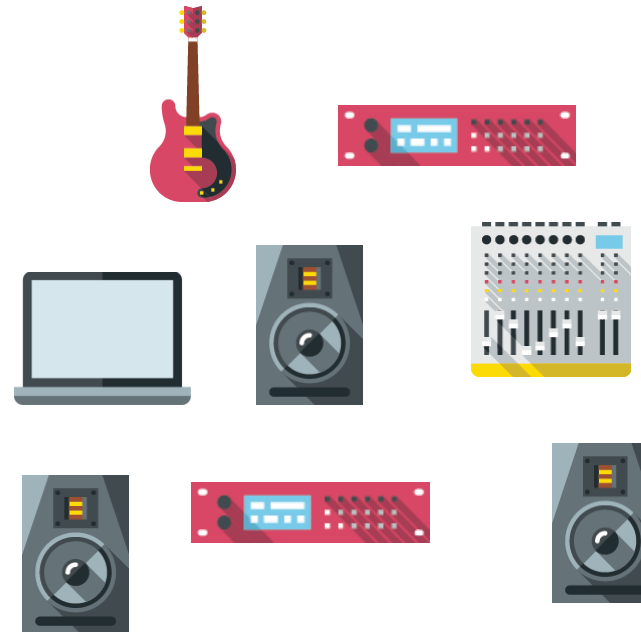
Documents



Pictures



Music



Auditorium



Distributed Audio



Meeting Spaces

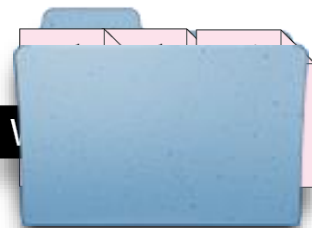
Dante Domains Organize your Network Devices



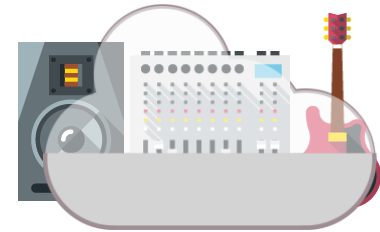
Documents



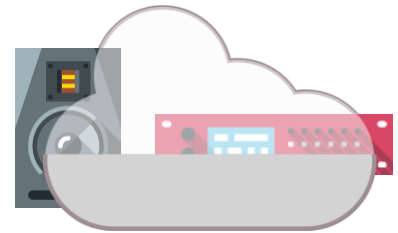
Pictures



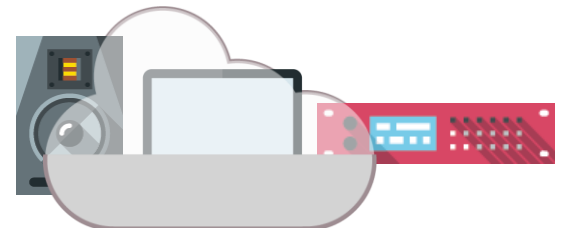
Music



Auditorium

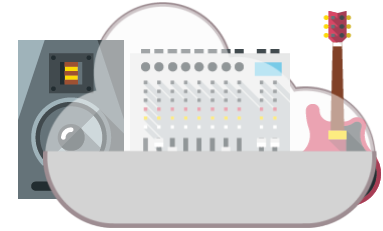
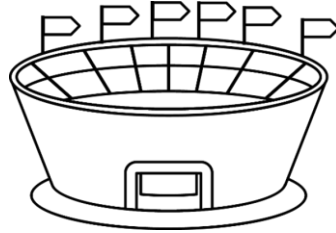
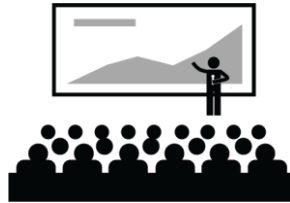


Distributed Audio

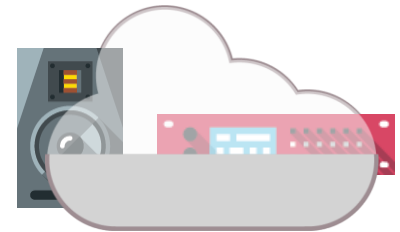


Meeting Spaces

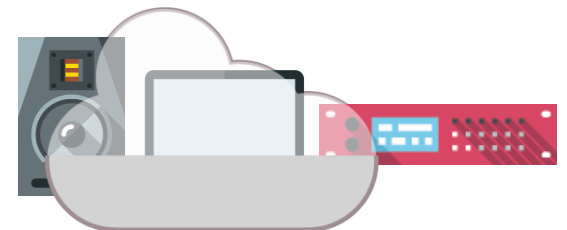
Dante Domains Organize your Network Devices



Auditorium



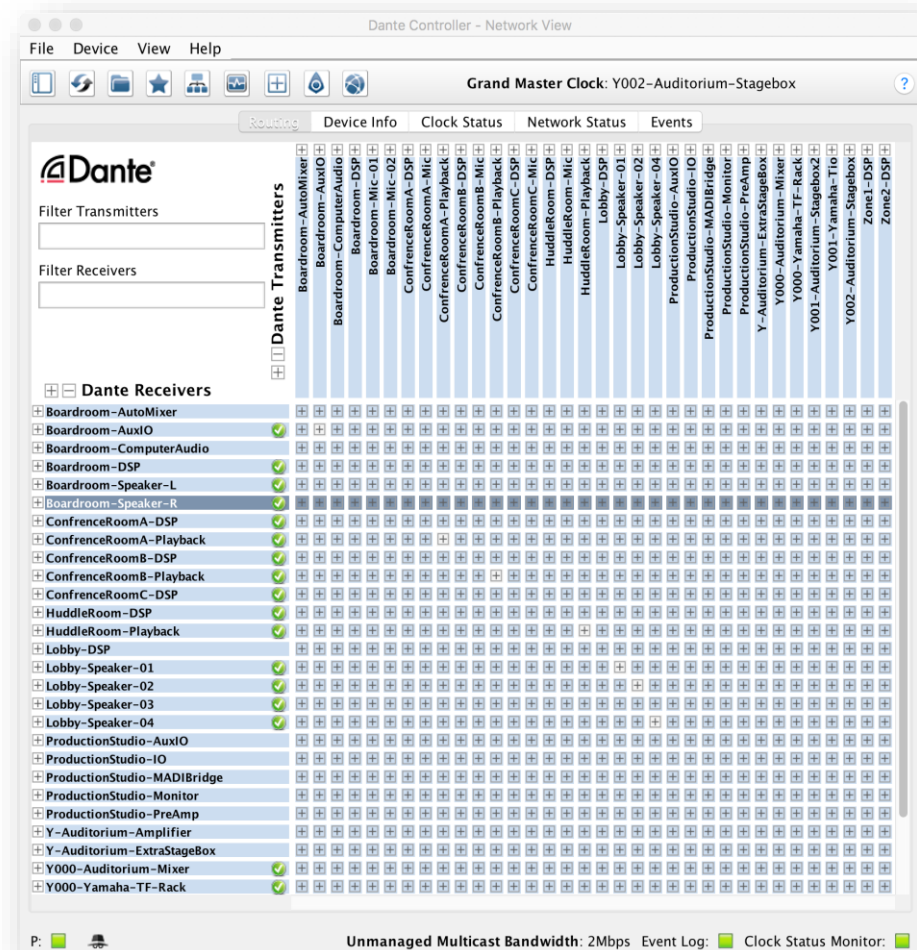
Distributed Audio



Meeting Spaces

逻辑性

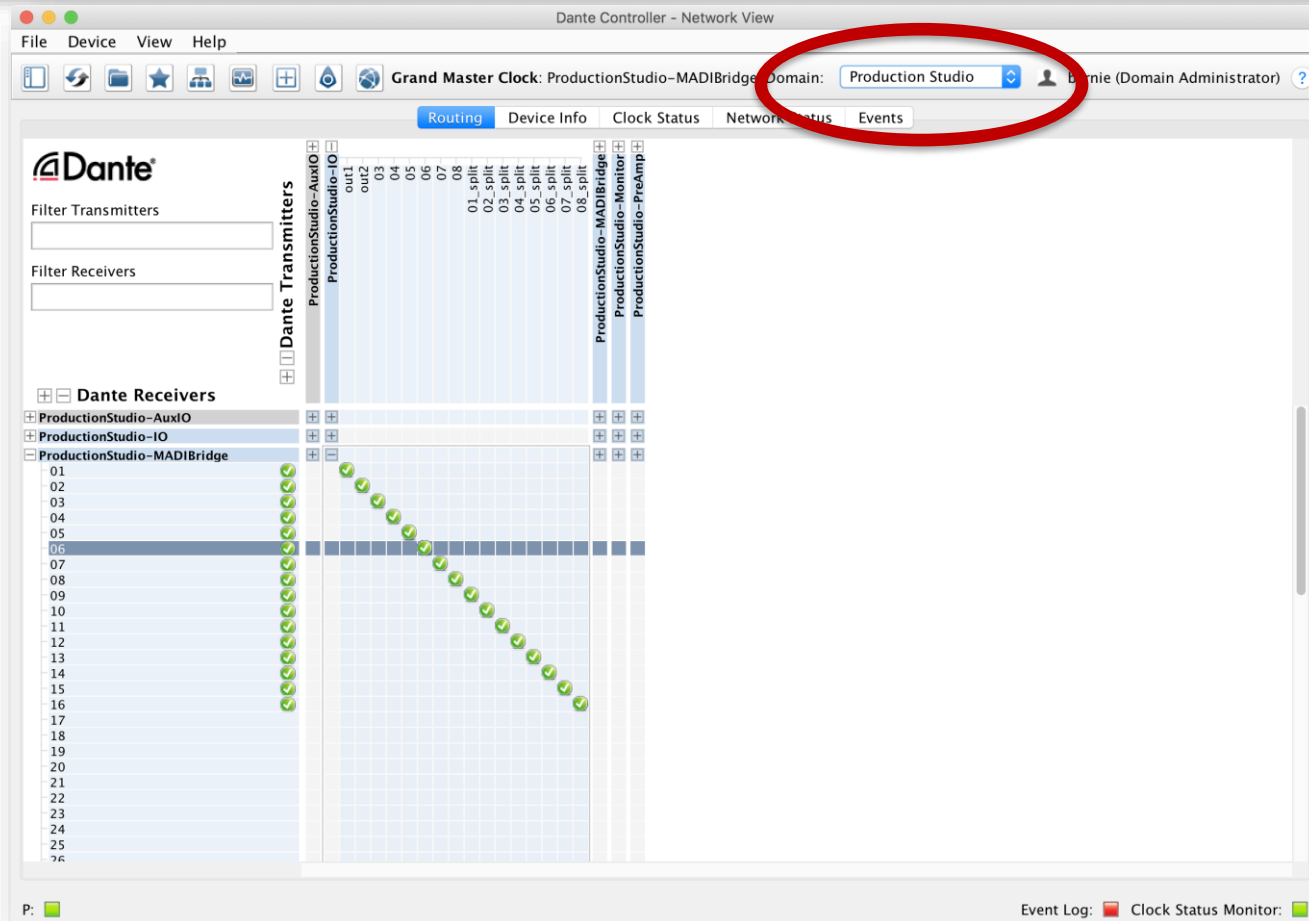
- 在本地网络中Dante Controller 可以看到全部的设备
- 完全的即插即用
- 使用筛选功能可以筛选具体的设备和配置等等



Dante Controller整个网络设备都会出现在一个视图

更强的逻辑性

- 结合DDM只展示在域内的设备，对于任何大小的Dante系统，更加清晰和更容易的配置
 - 减少视觉上的混乱
 - 非常容易的查询和管理
 - 减少失误



Dante Controller 只出现选择的域的视图，更加方便查看和管理

Dante Controller - Network View

File Device View Help

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Grand Master Clock: Y001-AUD-Stagebox-01

Domain: <unmanaged>

admin

Routing

Device Info

Clock Status

Network Status

Events

Dante

Filter Transmitters

Filter Receivers

Dante Transmitters

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

BGM-AnnouncementMic

BGM-DSP

BGM-MusicPlayer

Laptop-DVS-PK

MTGR-Computer-01

MTGR-Computer-02

MTGR-DSP

MTGR-Microphones

MTGR-Speaker-L

MTGR-Speaker-R

MTGR-TableMic-01

MTGR-TableMic-02

MTGR-TableMic-03

MTGR-TableMic-04

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

Dante Receivers

AUD-Amp-01

AUD-Amp-02

AUD-Amp-03

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

BGM-DSP

BGM-Zone1-Amp-01

BGM-Zone1-Amp-02

BGM-Zone2-Amp-01

BGM-Zone2-Amp-02

BGM-Zone3-Amp-01

BGM-Zone3-Amp-02

Laptop-DVS-PK

MTGR-Speaker-02

MTGR-Computer-01

MTGR-Computer-02

P: S:

Unmanaged Multicast Bandwidth: 2Mbps

Event Log:

Clock Status Monitor:

Type here to search

2:34 PM 7/26/2019



DDM Interface

ddm.ddm/devices

Dante Domain Manager

Dashboard

Domains

Devices

Users

Roles

Settings

Audit Log

Search

Unmanaged 31

SUBNET 192.168.1.0/24

MTGR-Computer-01
AVIO-USB (Audinate)

MTGR-TableMic-03
ATND971 (Audio-Technica)

MTGR-Microphones
Model 5414 Mic/Line IO Interface (Studio Technologies, Inc.)

MTGR-Computer-02
AVIO-USB (Audinate)

MTGR-TableMic-02
ATND971 (Audio-Technica)

AUD-HeadphoneMonitor
unDNEMO (Attero Tech)

MTGR-Speaker-L
StudioLive AI Loudspeaker (PreSonus)

MTGR-Speaker-R
StudioLive AI Loudspeaker (PreSonus)

MTGR-TableMic-04
ATND971 (Audio-Technica)

MTGR-TableMic-01
ATND971 (Audio-Technica)

AUD-HeadphoneMonitor
unDNEMO (Attero Tech)

EXPORT CSV

NO DEVICES SELECTED

Dante Domain Manager v1.1



DDM Interface

ddm.ddm/devices

Dante Domain Manager

Dashboard

Domains

Devices

Users

Roles

Settings

Audit Log

Search

Unmanaged 31

SUBNET 192.168.1.0/24

MTGR-Computer-01
AVIO-USB (Audinate)

MTGR-TableMic-03
ATND971 (Audio-Technica)

MTGR-Microphones
Model 5414 Mic/Line IO Interface (Studio Technologies, Inc.)

MTGR-Computer-02
AVIO-USB (Audinate)

MTGR-TableMic-02
ATND971 (Audio-Technica)

AUD-HeadphoneMonitor
unDNEMO (Attero Tech)

MTGR-Speaker-L
StudioLive AI Loudspeaker (PreSonus)

MTGR-Speaker-R
StudioLive AI Loudspeaker (PreSonus)

MTGR-TableMic-04
ATND971 (Audio-Technica)

MTGR-TableMic-01
ATND971 (Audio-Technica)

EXPORT CSV

NO DEVICES SELECTED

Dante Domain Manager v1.1



DDM Interface

ddm.ddm/devices

Dante Domain Manager

Dashboard

Domains

Devices

Users

Roles

Settings

Audit Log

Search

BGM-AnnouncementMic
ATND971 (Audio-Technica)

Y001-AUD-Stagebox-01
Tio1608-D (Yamaha Corporation)

Y001-AUD-Stagebox-02
Tio1608-D (Yamaha Corporation)

BGM-DSP
Prism (Symetrix)

Y000-AUD-Mixer
NY64-D (Yamaha Corporation)

BGM-Zone3-Amp-02
Amphe-Dante RJD1212 (Amphenol)

MTGR-DSP
Prism (Symetrix)

Laptop-DVS-PK
Dante Virtual Soundcard (Audinate Pty Ltd)

Auditorium 0

BGM 0

Meeting Spaces 0

ENROLL DEVICES

EXPORT CSV

NO DEVICES SELECTED

Dante Domain Manager v1.1



DDM Interface

ddm.ddm/devices/status?sel%5B0%5D=001dc110329c0000%3A0&sel%5B1%5D=001dc11134240000%3A0&sel%5B2%5D=001dc1100e960000

Dante Domain Manager

admin

Dashboard 1

Domains

Devices

Users

Roles

Settings

Audit Log

Search

BGM-AnnouncementMic
ATND971 (Audio-Technica)

BGM-DSP
Prism (Symetrix)

BGM-Zone3-Amp-02
Amphe-Dante RJD1212 (Amphenol)

MTGR-DSP
Prism (Symetrix)

Laptop-DVS-PK
Dante Virtual Soundcard (Audinate Pty Ltd)

Auditorium 3

Y001-AUD-Stagebox-01
Tio1608-D (Yamaha Corporation)

Y001-AUD-Stagebox-02
Tio1608-D (Yamaha Corporation)

Y000-AUD-Mixer
NY64-D (Yamaha Corporation)

BGM 0

Meeting Spaces 0

Dante Domain Manager v1.1

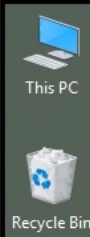
ENROLL DEVICESEXPORT CSV

Device Enrollment Status

DEVICE NAME	ENROLL STATE	CONNECTIVITY
Y001-AUD-Stagebox-01	Enrolled	Online
Y001-AUD-Stagebox-02	Enrolled	Online
Y000-AUD-Mixer	Enrolled	Online

Type here to search

2:35 PM 7/26/2019



DDM Interface

ddm.ddm/devices/status?sel%5B0%5D=001dc1fffe501add%3A0&sel%5B1%5D=001dc1fffe5003d1%3A0&sel%5B2%5D=001dc1fffe50032f9%3A0

Dante Domain Manager

admin

Dashboard 3

Domains

Devices

Users

Roles

Settings

Audit Log

Unmanaged 0

Auditorium 9

AUD-HeadphoneMonitor
unDNEMO (Attero Tech)

AUD-PreAmps
RedNet A16R (Focusrite Audio
Engineering Ltd)

AUD-Amp-01
Amphe-Dante RJD1212 (Amphenol)

AUD-Amp-02
Amphe-Dante RJD1212 (Amphenol)

AUD-Amp-03
Amphe-Dante RJD1212 (Amphenol)

AUD-DSP
Edge/Radius (Symetrix)

Y001-AUD-Stagebox-01
Tio1608-D (Yamaha Corporation)

Y001-AUD-Stagebox-02
Tio1608-D (Yamaha Corporation)

Y000-AUD-Mixer
NY64-D (Yamaha Corporation)

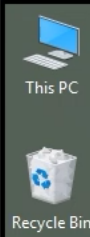
Dante Domain Manager v1.1

ENROLL DEVICES

EXPORT CSV

Device Enrollment Status

DEVICE NAME	ENROLL STATE	CONNECTIVITY
BGM-MusicPlayer	Enrolled	Online
BGM-Zone2-Amp-02	Enrolled	Online
BGM-Zone1-Amp-01	Enrolled	Online
BGM-Zone1-Amp-02	Enrolled	Online
BGM-Zone2-Amp-01	Enrolled	Online
BGM-Zone3-Amp-01	Enrolled	Online
BGM-AnnouncementMic	Enrolled	Online
BGM-DSP	Enrolled	Online
BGM-Zone3-Amp-02	Enrolled	Online



Dante Controller - Network View

File Device View Help

Grand Master Clock: Unknown Domain: <unmanaged> admin

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante Receivers

Filter Transmitters

Filter Receivers

Dante Transmitters

P: S:

Event Log: Clock Status Monitor:

0

9

phoneMonitor
(Attero Tech)

Amps
(Focusrite Audio Ltd)

D-01
te RJD1212 (Amphenol)

D-02
te RJD1212 (Amphenol)

D-03
te RJD1212 (Amphenol)

(Symetrix)

D-Stagebox-01
(Yamaha Corporation)

D-Stagebox-02
(Yamaha Corporation)

Y000-AUD-Mixer
NY64-D (Yamaha Corporation)

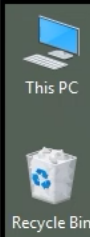
Dante Domain Manager v1.1

ENROLL DEVICES

EXPORT CSV

Device Enrollment Status

DEVICE NAME	ENROLL STATE	CONNECTIVITY
BGM-MusicPlayer	Enrolled	Online
BGM-Zone2-Amp-02	Enrolled	Online
BGM-Zone1-Amp-01	Enrolled	Online
BGM-Zone1-Amp-02	Enrolled	Online
BGM-Zone2-Amp-01	Enrolled	Online
BGM-Zone3-Amp-01	Enrolled	Online
BGM-AnnouncementMic	Enrolled	Online
BGM-DSP	Enrolled	Online
BGM-Zone3-Amp-02	Enrolled	Online



Dante Controller - Network View

File Device View Help

Grand Master Clock: Unknown Domain: <unmanaged> admin

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante Transmitters

Filter Transmitters

Filter Receivers

Dante Receivers

<unmanaged>

Auditorium

BGM

Meeting Spaces

P: S:

Event Log: Clock Status Monitor:

0

9

phoneMonitor

Attero Tech)

Amps

R (Focusrite Audio Ltd)

D-01

te RJD1212 (Amphenol)

D-02

te RJD1212 (Amphenol)

D-03

te RJD1212 (Amphenol)

(Symetrix)

D-Stagebox-01

Yamaha Corporation)

D-Stagebox-02

Yamaha Corporation)

Y000-AUD-Mixer

NY64-D (Yamaha Corporation)

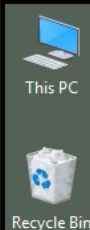
Dante Domain Manager v1.1

ENROLL DEVICES

EXPORT CSV

Device Enrollment Status

DEVICE NAME	ENROLL STATE	CONNECTIVITY
BGM-MusicPlayer	Enrolled	Online
BGM-Zone2-Amp-02	Enrolled	Online
BGM-Zone1-Amp-01	Enrolled	Online
BGM-Zone1-Amp-02	Enrolled	Online
BGM-Zone2-Amp-01	Enrolled	Online
BGM-Zone3-Amp-01	Enrolled	Online
BGM-AnnouncementMic	Enrolled	Online
BGM-DSP	Enrolled	Online
BGM-Zone3-Amp-02	Enrolled	Online



DDM Interface

ddm.ddm/devices?sel=027c7535652548ccb2e3cf652542e855

Dante Domain Manager

admin

Dante Controller - Network View

File Device View Help

Grand Master Clock: MTGR-DSP Domain: Meeting Spaces admin (Site Administrator)

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante

Filter Transmitters

Filter Receivers

Dante Transmitters

Dante Receivers

Laptop-DVS-PK

MTGR-Speaker-02

MTGR-Computer-01

MTGR-Computer-02

MTGR-DSP

MTGR-Microphones

MTGR-Speaker-01

MTGR-Speaker-L

MTGR-Speaker-R

Laptop-DVS-PK

MTGR-Computer-01

MTGR-Computer-02

MTGR-DSP

MTGR-Microphones

MTGR-Speaker-01

MTGR-Speaker-L

MTGR-Speaker-R

MTGR-TableMic-01

MTGR-TableMic-02

MTGR-TableMic-03

MTGR-TableMic-04

P: S:

Event Log: Clock Status Monitor:

Device Details

Laptop-DVS-PK

Dante Virtual Soundcard (Audinate Pty Ltd)

MANUFACTURER

Audinate Pty Ltd

PRODUCT TYPE

Dante Virtual Soundcard

LAST CONNECTED

Now

CONNECTED SINCE

Fri Jul 26 2019 2:40:00 PM

DANTE VERSION

4.0.4.4

Recent Activity

VIEW AUDIT LOG

Fri Jul 26 2019 2:40:00 PM

Device Laptop-DVS-PK enrolled in Meeting Spaces came back online

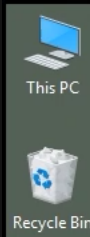
Fri Jul 26 2019 2:40:00 PM

Device Laptop-DVS-PK enrolled in Meeting Spaces went offline

Dante Domain Manager v1.1

ENROLL DEVICES

EXPORT CSV



Dante Controller - Network View

File Device View Help

Grand Master Clock: MTGR-DSP Domain: Meeting Spaces admin (Site Administrator)

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Filter Transmitters

Filter Receivers

Dante Transmitters

Dante Receivers

- Laptop-DVS-PK
- MTGR-Speaker-02
- MTGR-Computer-01
- MTGR-Computer-02
- MTGR-DSP
- MTGR-Microphones
- MTGR-Speaker-01
- MTGR-Speaker-L
- MTGR-Speaker-R

Event Log: Clock Status Monitor:

Device Details

Laptop-DVS-PK

Dante Virtual Soundcard (Audinate Pty Ltd)

MANUFACTURER	Audinate Pty Ltd
PRODUCT TYPE	Dante Virtual Soundcard
LAST CONNECTED	Now
CONNECTED SINCE	Fri Jul 26 2019 2:40:00 PM
DANTE VERSION	4.0.4.4

Recent Activity

VIEW AUDIT LOG

Fri Jul 26 2019 2:40:00 PM	Device Laptop-DVS-PK enrolled in Meeting Spaces came back online
Fri Jul 26 2019 2:40:00 PM	Device Laptop-DVS-PK enrolled in Meeting Spaces went offline



Grand Master Clock: Y001-AUD-Stagebox-01

Domain: Auditorium

admin (Site Administrator)

Search

Clear All

Routing Device Info Clock Status Network Status Events



Filter Transmitters

Filter Receivers

[-] Dante Transmitters

+	AUD-DSP	+
+	AUD-HeadphoneMonitor	+
+	AUD-PreAmps	+
+	BGM-Feed	+
+	Y000-AUD-Mixer	+
+	Y001-AUD-Stagebox-01	+
+	Y001-AUD-Stagebox-02	+

[+] [-] Dante Receivers

+	AUD-Amp-01	✓	+	+	+	+	+	+	+
+	AUD-Amp-02	✓	+	+	+	+	+	+	+
+	AUD-Amp-03	✓	+	+	+	+	+	+	+
+	AUD-DSP		+	+	+	+	+	+	+
+	AUD-HeadphoneMonitor	✓	+	+	+	+	+	+	+
+	AUD-PreAmps		+	+	+	+	+	+	+
+	Y000-AUD-Mixer	✓	+	+	+	+	+	+	+
+	Y001-AUD-Stagebox-01		+	+	+	+	+	+	+
+	Y001-AUD-Stagebox-02		+	+	+	+	+	+	+



Grand Master Clock: Y001-AUD-Stagebox-01

Domain: Auditorium

admin (Site Administrator)

Search

Clear All

- ☐ Device Lock
- ☐ Sample Rate
- ☐ Sync to External
- ☐ Latency
- ☐ Subscriptions
- ☐ Tx Multicast Flows
- ☐ AES67
- ☐ Sample Rate Pull-up

Routing Device Info Clock Status Network Status Events



Filter Transmitters

Filter Receivers

Dante Transmitters

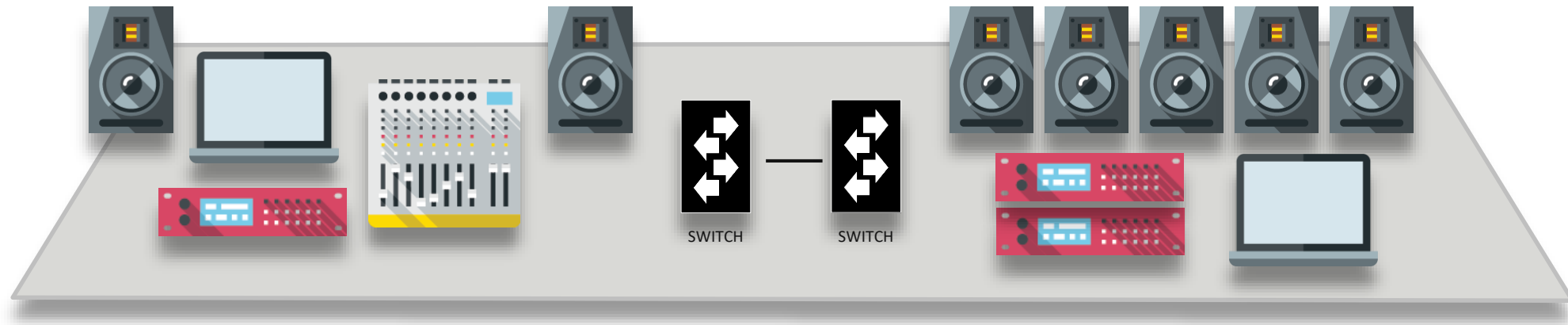
+	AUD-DSP
+	AUD-HeadphoneMonitor
+	AUD-PreAmps
+	BGM-Feed
+	Y000-AUD-Mixer
+	Y001-AUD-Stagebox-01
+	Y001-AUD-Stagebox-02

Dante Receivers

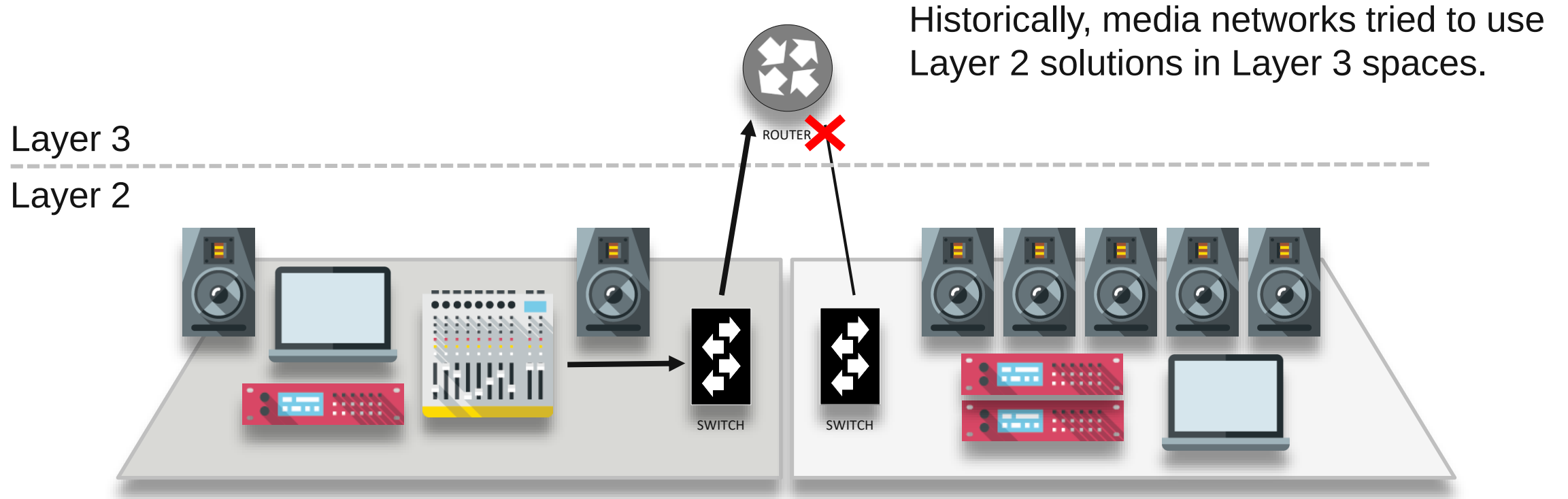
+	AUD-Amp-01	✓	+	+	+	+	+	+
+	AUD-Amp-02	✓	+	+	+	+	+	+
+	AUD-Amp-03	✓	+	+	+	+	+	+
+	AUD-DSP		+	+	+	+	+	+
+	AUD-HeadphoneMonitor	✓	+	+	+	+	+	+
+	AUD-PreAmps		+	+	+	+	+	+
+	Y000-AUD-Mixer	✓	+	+	+	+	+	+
+	Y001-AUD-Stagebox-01		+	+	+	+	+	+
+	Y001-AUD-Stagebox-02		+	+	+	+	+	+

2 –可以简单的实现3层网络路由.

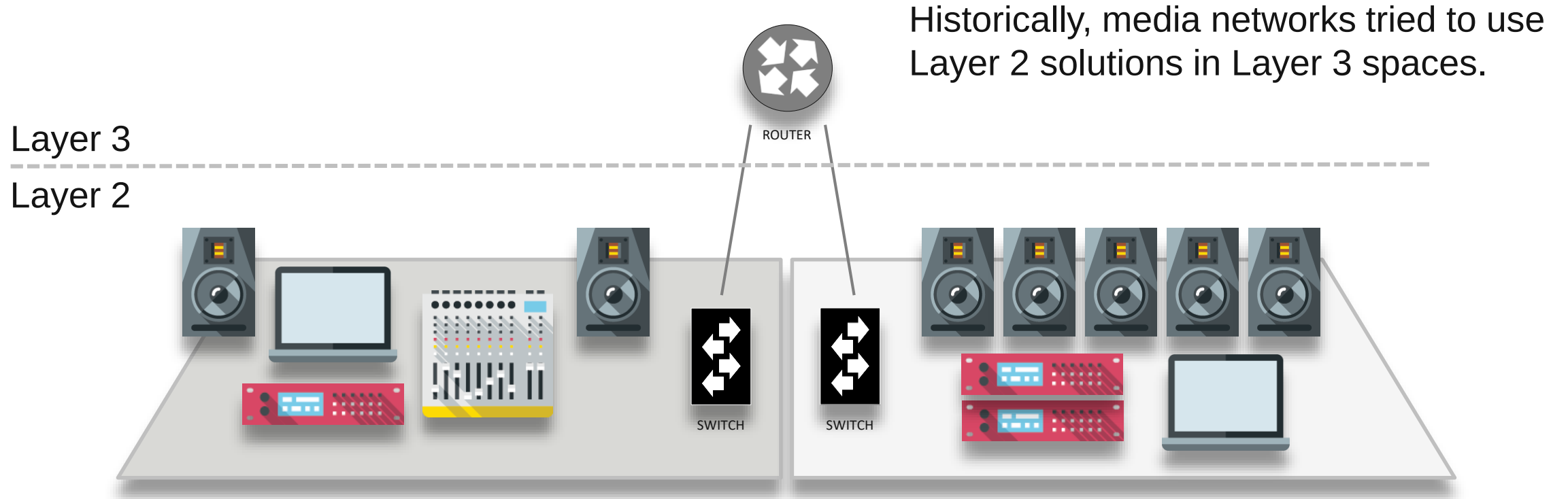
Routing Across Layer 3 Networks



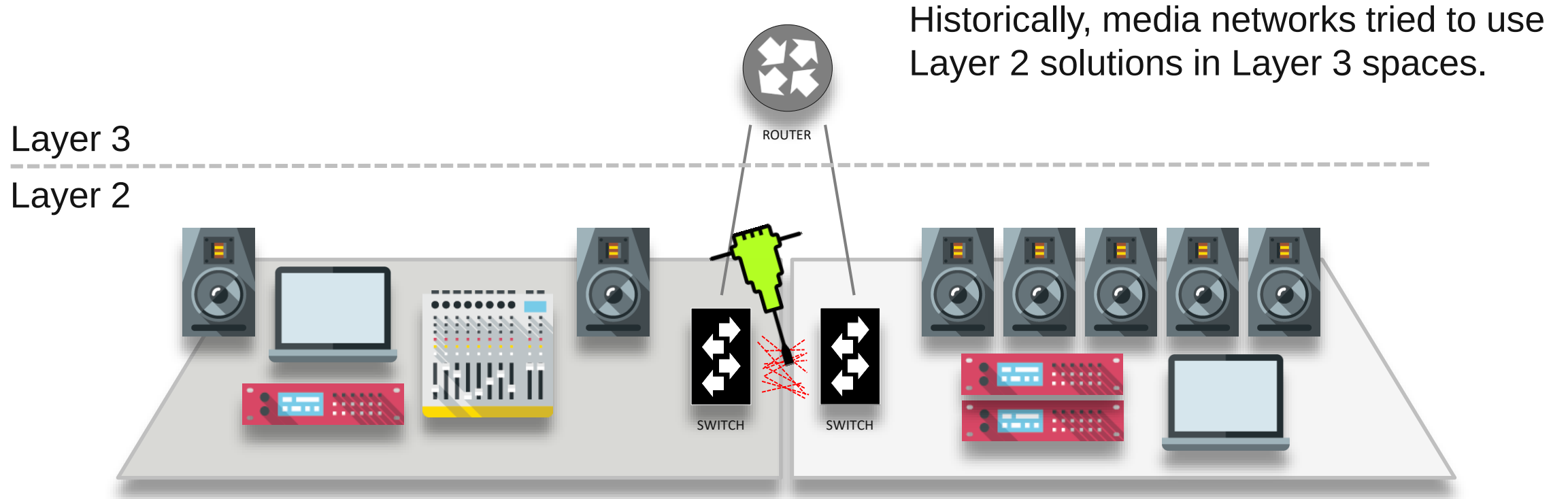
Routing Across Layer 3 Networks



Routing Across Layer 3 Networks



Routing Across Layer 3 Networks

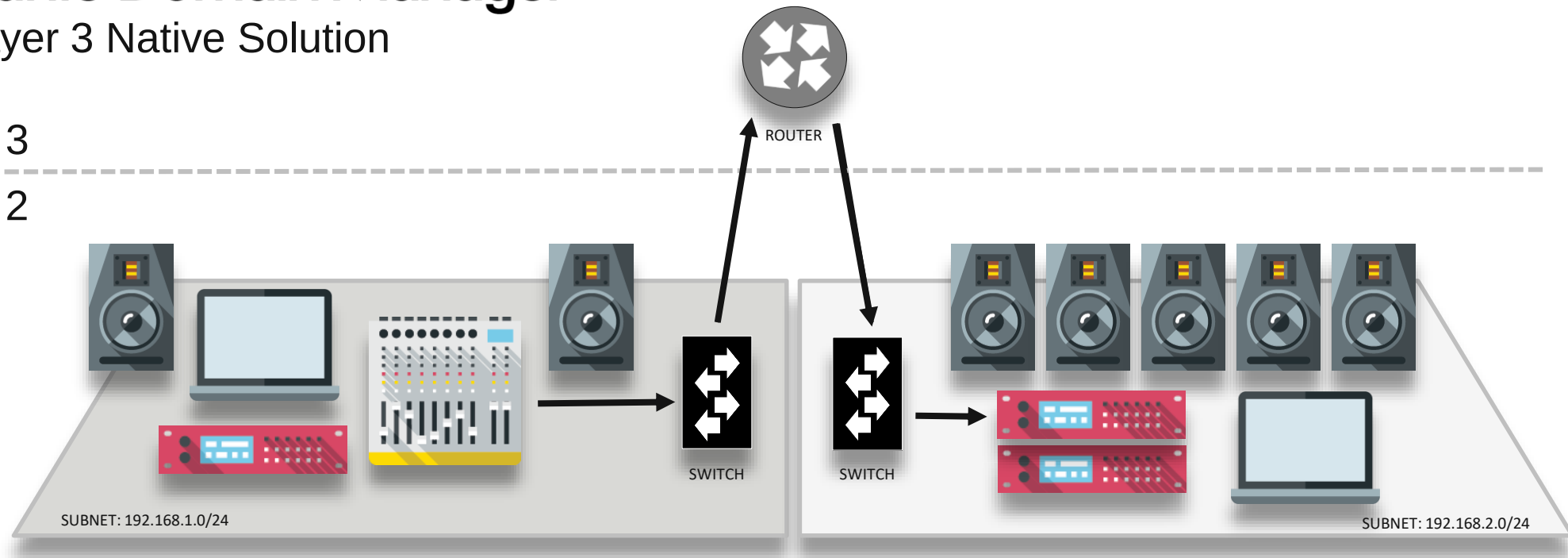


Routing Across Layer 3 Networks

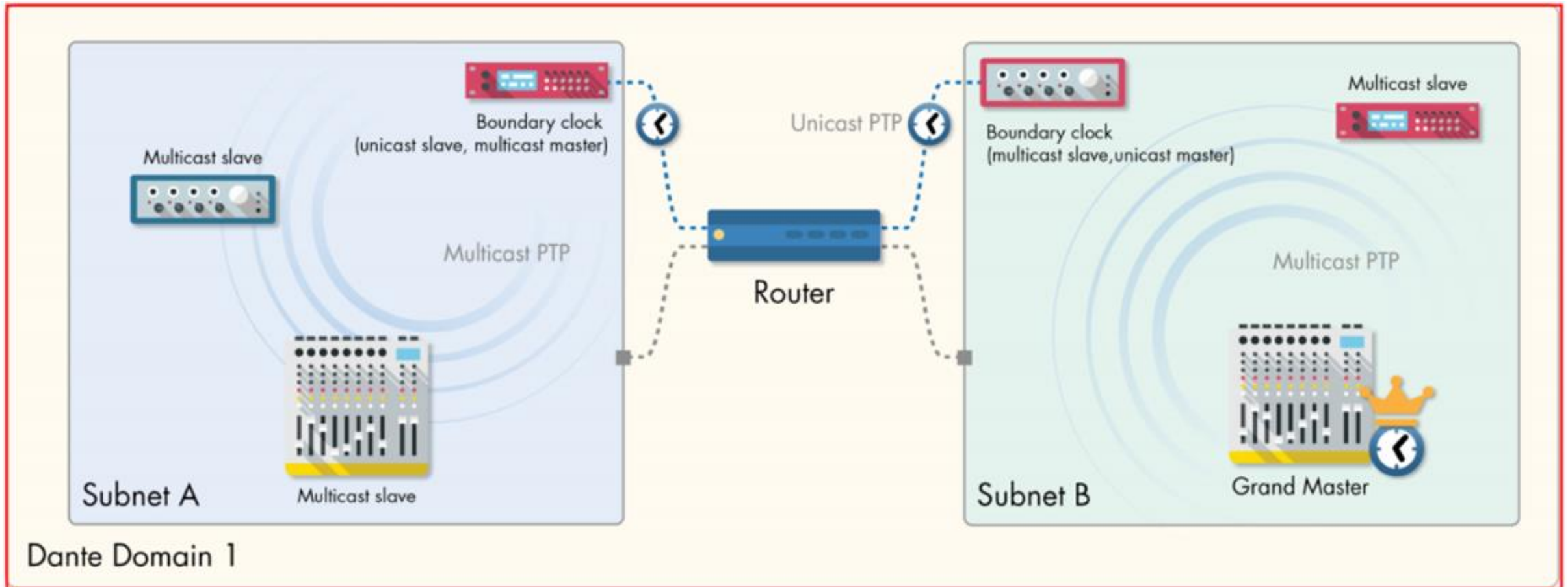
Dante Domain Manager™ Layer 3 Native Solution

Layer 3

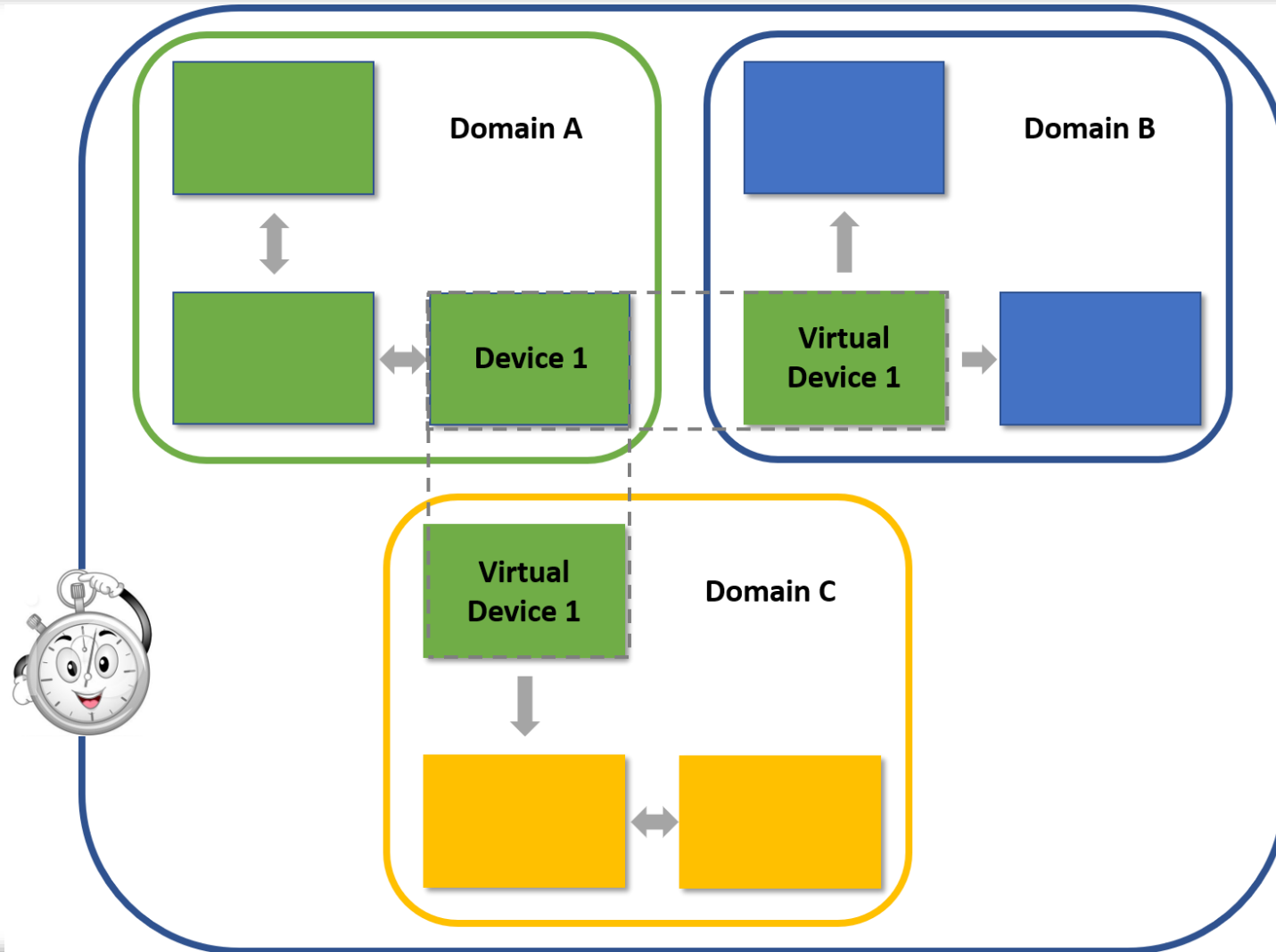
Layer 2



Routing Across Layer 3 Networks



Routing Across Layer 3 Networks





Grand Master Clock: MTGR-DSP

Domain: Meeting Spaces

admin (Site Administrator)



Search

Clear All

- ⊕ Device Lock
- ⊕ Sample Rate
- ⊕ Sync to External
- ⊕ Latency
- ⊕ Subscriptions
- ⊕ Tx Multicast Flows
- ⊕ AES67
- ⊕ Sample Rate Pull-up

Routing Device Info Clock Status Network Status Events

Device Name	Model Name	Product Version	Dante Version	Device Lock	Primary Address	Primary Link Speed	Secondary Address	Se Li
192.168.0.0/24								
Laptop-DVS-PK	Dante Virtual Soundcard	4.0.4.4	4.0.4.4	N/A	192.168.0.183	1Gbps	N/A	N/
MGTR-Speaker-02	AVIO-DAO1	1.1.0	4.1.5.2	N/A	192.168.0.110	100Mbps	N/A	N/
MTGR-Computer-01	AVIO-USB	1.1.0	4.1.5.3	N/A	192.168.0.193	100Mbps	N/A	N/
MTGR-Computer-02	AVIO-USB	1.1.0	4.1.5.3	N/A	192.168.0.192	100Mbps	N/A	N/
MTGR-DSP	Prism	1.0.2	4.0.7.8	N/A	192.168.0.147	1Gbps	N/A	N/
MTGR-Microphones	Model 5414 Mic/Line IO Interface	2.7.0	4.0.11.3	N/A	192.168.0.106	100Mbps	N/A	N/
MTGR-Speaker-01	AVIO-DAO1	1.1.0	4.1.5.2	N/A	192.168.0.166	100Mbps	N/A	N/
MTGR-Speaker-L	StudioLive AI Loudspeaker	0.0.1	4.0.8.10	N/A	192.168.0.175	100Mbps	N/A	N/
MTGR-Speaker-R	StudioLive AI Loudspeaker	0.0.1	4.0.8.10	N/A	192.168.0.176	100Mbps	N/A	N/
MTGR-TableMic-01	ATND971	1.0.0	4.0.10.2	N/A	192.168.0.118	100Mbps	N/A	N/
MTGR-TableMic-02	ATND971	1.0.0	4.0.10.2	N/A	192.168.0.142	100Mbps	N/A	N/
MTGR-TableMic-03	ATND971	1.0.0	4.0.10.2	N/A	192.168.0.129	100Mbps	N/A	N/
MTGR-TableMic-04	ATND971	1.0.0	4.0.10.2	N/A	192.168.0.131	100Mbps	N/A	N/



P: S:

Event Log: Clock Status Monitor:

Y000-AUD-Mixer

Dante Controller - Network View

FileDevice View Help

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Grand Master Clock: BGM-DSP

Domain: BGM

admin (Site Administrator)

Routing

Device Info

Clock Status

Network Status

Events

Device Name	Model Name	Product Version	Dante Version	Device Lock	Primary Address	Primary Link Speed	Secondary Address	Se Lin
192.168.2.0/24								
BGM-AnnouncementMic	ATND971	1.0.0	4.0.10.2	N/A	192.168.2.148	100Mbps	N/A	N/
BGM-DSP	Prism	1.0.2	4.0.7.8	N/A	192.168.2.151	1Gbps	N/A	N/
BGM-MusicPlayer	AVIO-DAI2	1.1.0	4.1.6.2	N/A	192.168.2.131	100Mbps	N/A	N/
BGM-Zone1-Amp-01	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.2.146	100Mbps	N/A	N/
BGM-Zone1-Amp-02	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.2.161	100Mbps	N/A	N/
BGM-Zone2-Amp-01	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.2.160	100Mbps	N/A	N/
BGM-Zone2-Amp-02	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.2.159	100Mbps	N/A	N/
192.168.3.0/24								
BGM-Zone3-Amp-01	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.3.146	100Mbps	N/A	N/
BGM-Zone3-Amp-02	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.3.145	100Mbps	N/A	N/

P: S:

Event Log: Clock Status Monitor:

NO DEVICES SEL

ged0

m9

phoneMonitor

Attero Tech)

Amps

R (Focusrite Audio

Ltd)

p-01

te RJD1212 (Amphenol)

p-02

te RJD1212 (Amphenol)

p-03

te RJD1212 (Amphenol)

s (Symetrix)

D-Stagebox-01

(amaha Corporation)

D-Stagebox-02

(amaha Corporation)

Y000-AUD-Mixer



Grand Master Clock: BGM-DSP

Domain: BGM

admin (Site Administrator)



Search

Clear All

Routing Device Info Clock Status Network Status Events

Device Name	Model Name	Product Version	Dante Version	Device Lock	Primary Address	Primary Link Speed	Secondary Address	Se Lin
192.168.2.0/24								
BGM-AnnouncementMic	ATND971	1.0.0	4.0.10.2	N/A	192.168.2.148	100Mbps	N/A	N/
BGM-DSP	Prism	1.0.2	4.0.7.8	N/A	192.168.2.151	1Gbps	N/A	N/
BGM-MusicPlayer	AVIO-DAI2	1.1.0	4.1.6.2	N/A	192.168.2.131	100Mbps	N/A	N/
BGM-Zone1-Amp-01	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.2.146	100Mbps	N/A	N/
BGM-Zone1-Amp-02	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.2.161	100Mbps	N/A	N/
BGM-Zone2-Amp-01	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.2.160	100Mbps	N/A	N/
BGM-Zone2-Amp-02	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.2.159	100Mbps	N/A	N/
192.168.3.0/24								
BGM-Zone3-Amp-01	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.3.146	100Mbps	N/A	N/
BGM-Zone3-Amp-02	Amphe-Dante RJD1212	2.1.0	4.1.5.2	N/A	192.168.3.145	100Mbps	N/A	N/

< >

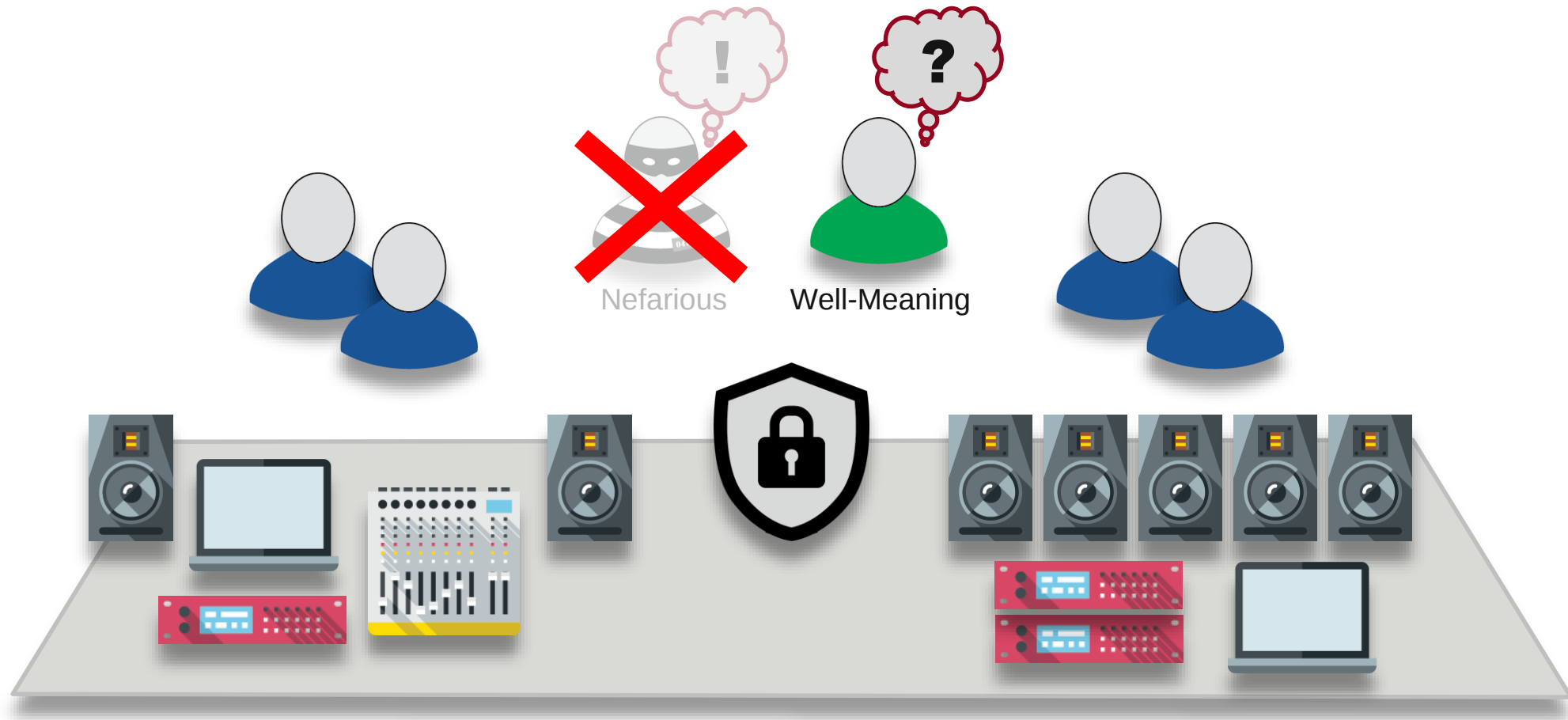
P: S:

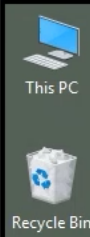
Event Log: Clock Status Monitor:

Y000-AUD-Mixer

3-通过用户授权管理来保护系统.

Authorize Users to Access to the Dante Network





DDM Interface

ddm.ddm/domains?sel=24ca270d358f4adfab0a38cad568fed2

Dante Domain Manager

admin

Dante Controller - Network View

File Device View Help

Grand Master Clock: Unknown

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Filter Transmitters

Filter Receivers

Dante Receivers

Dante Transmitters

P: S:

Unmanaged Multicast Bandwidth: 0 bps Event Log: Clock Status Monitor:

Domain Details

Auditorium

Settings

ADVANCED SETTINGS

CLOCKING TYPE Single-subnet AUTO-CONFIGURE

GRAND MASTER Y001-AUD-Stagebox-01

Allow association with pre v4.0 firmware devices

Shared Audio

Devices in this domain can be configured to share audio with devices in the same group

GROUP MEMBERSHIP eventshared EDIT

Devices

ENROLL DEVICES
UNENROLL DEVICES (9)

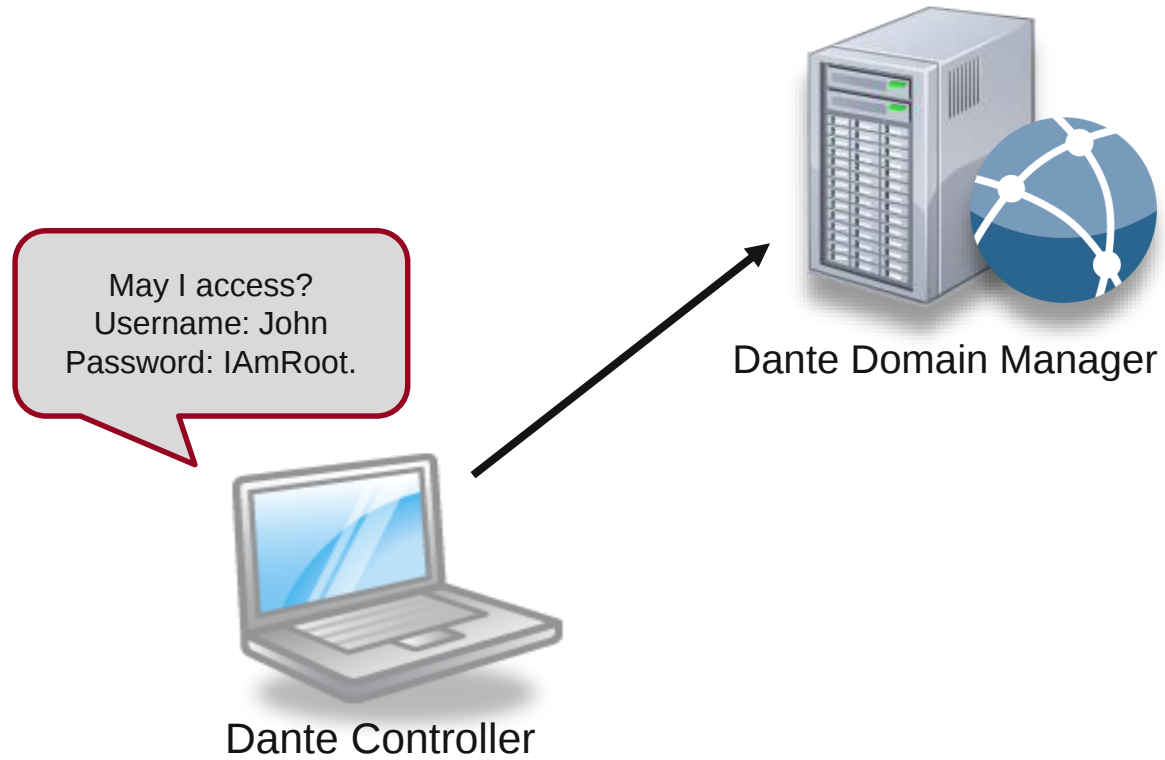
Subnet 192.168.1.0/24

Dante Domain Manager v1.1

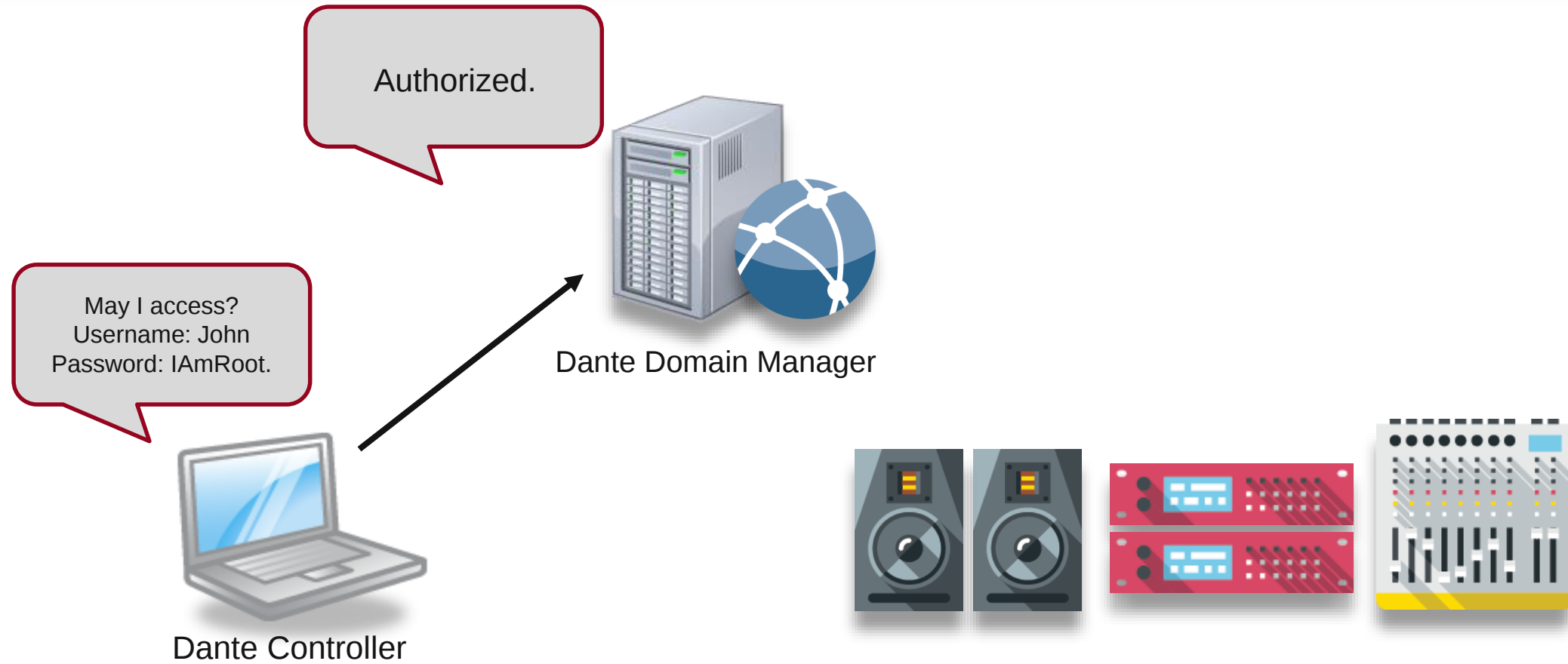
ADD DOMAIN

DELETE DOMAIN

Authorize Users to Access to the Dante Network



Authorize Users to Access to the Dante Network

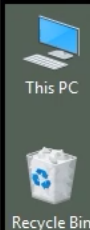


Authorize Users to Access to the Dante Network

	Access DDM Server	Configure Devices	Make Patches
Administrator			
Domain Admin	Some		
Operator	View	View	
Guest	View	View	View

Authorize Users to Access to the Dante Network

	Auditorium	Distributed Audio	Meeting Spaces
Tech Director	Administrator 	Administrator 	Administrator 
Audio Engineer	Domain Admin 	Guest View	Operator 
Trainee/Volunteer	Operator 	--	--



DDM Interface

ddm.ddm/domains?sel=24ca270d358f4adfab0a38cad568fed2

Dante Domain Manager

admin

Dante Controller - Network View

File Device View Help

Grand Master Clock: Y001-AUD-Stagebox-01 Domain: Auditorium admin (Site Administrator)

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Filter Transmitters

Filter Receivers

Dante Transmitters

Dante Receivers

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

BGM-Feed

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

AUD-Amp-01

AUD-Amp-02

AUD-Amp-03

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

P: S: Unmanaged Multicast Bandwidth: 0 bps Event Log: Clock Status Monitor:

DDM User Login

Current DDM: ddm.ddm:8443

DDM Server Connection

User name: admin

Password:

Status: CONNECTED

Log Out Cancel

Domain Details

Auditorium

Settings

ADVANCED SETTINGS

CLOCKING TYPE Single-subnet

AUTO-CONFIGURE

GRAND MASTER Y001-AUD-Stagebox-01

Allow association with pre v4.0 firmware devices

Shared Audio

Devices in this domain can be configured to share audio with devices in other domains in the same group

GROUP MEMBERSHIP eventshared

EDIT

Devices

ENROLL DEVICES

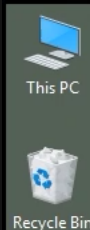
UNENROLL DEVICES (9)

Subnet 192.168.1.0/24

Dante Domain Manager v1.1

ADD DOMAIN

DELETE DOMAIN



DDM Interface

ddm.ddm/domains?sel=24ca270d358f4adfab0a38cad568fed2

Dante Domain Manager

admin

Dante Controller - Network View

File Device View Help

Grand Master Clock: Y001-AUD-Stagebox-01 Domain: Auditorium audio_engineer (Domain Administrator)

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Filter Transmitters

Filter Receivers

Dante Receivers

AUD-Amp-01

AUD-Amp-02

AUD-Amp-03

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

Y000-AUD-Mixer

01

02

03

04

05

06

07

08

09

10

11

12

...

Dante Transmitters

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

BGM-Feed

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

01

02

03

04

05

06

07

08

09

10

11

12

13

14

15

16

Y001-AUD-Stagebox-02

Unmanaged Multicast Bandwidth: 0 bps

Event Log:

Clock Status Monitor:

Domain Details

Auditorium

Settings

ADVANCED SETTINGS

CLOCKING TYPE Single-subnet

AUTO-CONFIGURE

GRAND MASTER Y001-AUD-Stagebox-01

Allow association with pre v4.0 firmware devices



Shared Audio

Devices in this domain can be configured to share audio with devices in the same group

GROUP MEMBERSHIP eventshared

EDIT

Devices

ENROLL DEVICES

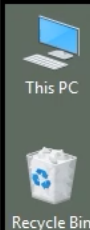
UNENROLL DEVICES (9)

Subnet 192.168.1.0/24

Dante Domain Manager v1.1

ADD DOMAIN

DELETE DOMAIN



Dante Controller - Network View

File Device View Help

Grand Master Clock: Unknown Device* Domain: BGM audio_engineer (Guest)

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante Receivers

BGM-DSP	+	+	+	+	+
BGM-Zone1-Amp-01	+	+	+	+	+
BGM-Zone1-Amp-02	+	+	+	+	+
BGM-Zone2-Amp-01	+	+	+	+	+
BGM-Zone2-Amp-02	+	+	+	+	+
CH1	+	+	+	+	+
CH2	+	+	+	+	+
BGM-Zone3-Amp-01	+	+	+	+	+
BGM-Zone3-Amp-02	+	+	+	+	+

Cannot subscribe: Access Denied

Event Log: Clock Status Monitor:

Domain Details

Auditorium

Settings

ADVANCED SETTINGS

CLOCKING TYPE Single-subnet

AUTO-CONFIGURE

GRAND MASTER Y001-AUD-Stagebox-01

Allow association with pre v4.0 firmware devices



Shared Audio

Devices in this domain can be configured to share audio with devices in the same group

GROUP MEMBERSHIP

eventshared

EDIT

Devices

ENROLL DEVICES

UNENROLL DEVICES (9)

Subnet 192.168.1.0/24

Dante Domain Manager v1.1

ADD DOMAIN

DELETE DOMAIN

4-实时监控系统的运行状态.



Dante Controller - Network View

File Device View Help

Grand Master Clock: Y001-AUD-Stagebox-01

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante Receivers

AUD-Amp-01

AUD-Amp-02

AUD-Amp-03

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

Dante Transmitters

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

BGM-Feed

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

DDM Interface

ddm.ddm/dashboard

Dante Domain Manager

admin

Dashboard

Domains

Devices

Users

Roles

Settings

Audit Log

There are no active alerts.

Domains

AUDITORIUM

9 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

BGM

9 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

MEETING SPACES

13 Enrolled devices

Status

Clocking

Connectivity

Latency

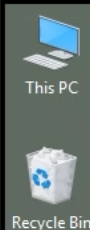
Subscriptions

Dante Domain Manager v1.1

Type here to search

Taskbar icons: File Explorer, Edge, Chrome, Word, etc.

3:13 PM 7/26/2019



Dante Controller - Network View

File Device View Help

Grand Master Clock: Y001-AUD-Stagebox-01

Routing

Device Info

Clock Status

Network Status

Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante

Filter Transmitters

Filter Receivers

Dante Transmitters

AUD-DSP

AUD-Headphone-Monitor

AUD-PreAmps

BGM-Feed

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

Dante Receivers

AUD-Amp-01

AUD-Amp-02

AUD-Amp-03

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

DDM Interface

ddm.ddm/dashboard

Dante Domain Manager

Dashboard

Domains

Devices

Users

Roles

Settings

Audit Log

There are no active alerts.

Domains

AUDITORIUM

9 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

BGM

9 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

MEETING SPACES

13 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

Dante Domain Manager v1.1

Type here to search

3:14 PM 7/26/2019



Dante Controller - Network View

File Device View Help

Grand Master Clock: Y001-AUD-Stagebox-01

Routing Device Info Clock Status Network Status Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante

Filter Transmitters

Filter Receivers

Dante Receivers

AUD-Amp-01

AUD-Amp-02

AUD-Amp-03

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

P: S: Unm

DDM Interface

ddm.ddm/dashboard

Dante Domain Manager

admin

Dashboard 1

Domains

Devices

Users

Roles

Settings

Audit Log

The device MTGR-TableMic-01 in Meeting Spaces is offline.

VIEW AUDIT LOG

Domains

AUDITORIUM

9 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

BGM

9 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

MEETING SPACES

13 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

Dante Domain Manager v1.1



P: ☒ S: ☐

Categorized Reports



Connectivity

Is it online and responding?



Clocking

Is it synchronized and stable?



Subscriptions

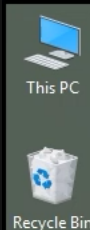
Is it receiving the channels it is expecting?



Latency

Are all channels arriving in a timely manner?

5 – 记录系统使用情况和状态方便系统排查.



Dante Controller - Network View

File Device View Help

Grand Master Clock: Y001-AUD-Stagebox-01

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante Receivers

AUD-Amp-01

AUD-Amp-02

AUD-Amp-03

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

Routing

Device Info

Clock Status

Network Status

Events

Dante

Filter Transmitters

Filter Receivers

Dante Transmitters

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

BGM-Feed

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

DDM Interface

ddm.ddm/dashboard

Dante Domain Manager

admin

Dashboard

Domains

Devices

Users

Roles

Settings

Audit Log

There are no active alerts.

Domains

AUDITORIUM

9 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

BGM

9 Enrolled devices

Status

Clocking

Connectivity

Latency

Subscriptions

MEETING SPACES

13 Enrolled devices

Status

Clocking

Connectivity

Latency

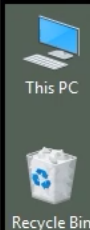
Subscriptions

Dante Domain Manager v1.1

http://ddm.ddm/settings

Type here to search

3:21 PM 7/26/2019



Dante Controller - Network View

File Device View Help

Grand Master Clock: Y001-AUD-Stagebox-01

Routing

Device Info

Clock Status

Network Status

Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante Receivers

AUD-Amp-01

AUD-Amp-02

AUD-Amp-03

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

Dante Transmitters

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

BGM-Feed

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

P: S:

Unm

DDM Interface

ddm.ddm/audit-log

Dante Domain Manager

admin

Dashboard

Domains

Devices

Users

Roles

Settings

Audit Log

Audit Log

Search event details...

Whole words only Match Case

CUSTOMIZE COLUMNS CLEAR LOG

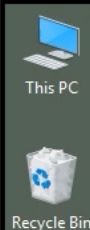
EXPORT CSV ADD FILTER

SHOW 25 ENTRIES

Showing 1 to 25 of 2,190 entries

First Previous 1 2 3 4 5 ... 88 Next Last

TIMESTAMP	DOMAIN	DETAILS	CATEGORY	SOURCE	TARGET	SEVERITY	TYPE
Fri, Jul 26, 2019 3:15 PM	Meeting Spaces	Device MTGR-TableMic-01 enrolled in Meeting Spaces came back online	Connectivity	MTGR-TableMic-01		Info	Device Event
Fri, Jul 26, 2019 3:15 PM	Meeting Spaces	Device MTGR-TableMic-01 enrolled in Meeting Spaces went offline	Connectivity	MTGR-TableMic-01		Warn	Device Event
Fri, Jul 26, 2019 3:12 PM		User admin logged in to a Dante Controller	Authentication	admin		Info	User Action
Fri, Jul 26, 2019 3:12 PM		User volunteer logged out from a Dante Controller	Authentication	volunteer		Info	User Action
Fri, Jul 26, 2019 3:12 PM		User volunteer logged in to a Dante Controller	Authentication	volunteer		Info	User Action
Fri, Jul 26, 2019 3:11 PM		User audio_engineer logged out from a Dante Controller	Authentication	audio_engineer		Info	User Action



Dante Controller - Network View

File Device View Help

Grand Master Clock: Y001-AUD-Stagebox-01

Routing

Device Info

Clock Status

Network Status

Events

Search

Clear All

Device Lock

Sample Rate

Sync to External

Latency

Subscriptions

Tx Multicast Flows

AES67

Sample Rate Pull-up

Dante Receivers

AUD-Amp-01

AUD-Amp-02

AUD-Amp-03

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

Dante Transmitters

AUD-DSP

AUD-HeadphoneMonitor

AUD-PreAmps

BGM-Feed

Y000-AUD-Mixer

Y001-AUD-Stagebox-01

Y001-AUD-Stagebox-02

P: S:

Unm

DDM Interface

ddm.ddm/audit-log

Dante Domain Manager

admin

Dashboard

Domains

Devices

Users

Roles

Settings

Audit Log

Audit Log

CUSTOMIZE COLUMNS

CLEAR LOG

EXPORT CSV

ADD FILTER

Search event details...

Whole words only

Match Case

SHOW 25 ENTRIES

Showing 1 to 25 of 2,190 entries

First

Previous

1

2

3

4

5

...

88

Next

Last

TIMESTAMP	DOMAIN	DETAILS	CATEGORY	SOURCE	TARGET	SEVERITY	TYPE
Fri, Jul 26, 2019 3:15 PM	Meeting Spaces	Device MTGR-TableMic-01 enrolled in Meeting Spaces came back online	Connectivity	MTGR-TableMic-01		Info	Device Event
Fri, Jul 26, 2019 3:15 PM	Meeting Spaces	Device MTGR-TableMic-01 enrolled in Meeting Spaces went offline	Connectivity	MTGR-TableMic-01		Warn	Device Event
Fri, Jul 26, 2019 3:12 PM		User admin logged in to a Dante Controller	Authentication	admin		Info	User Action
Fri, Jul 26, 2019 3:12 PM		User volunteer logged out from a Dante Controller	Authentication	volunteer		Info	User Action
Fri, Jul 26, 2019 3:12 PM		User volunteer logged in to a Dante Controller	Authentication	volunteer		Info	User Action
Fri, Jul 26, 2019 3:11 PM		User audio_engineer logged out from a Dante Controller	Authentication	audio_engineer		Info	User Action

Dante Domain Manager v1.1



逻辑性 对设备分组，是系统更加具有逻辑性.

路由 可以简单的实现3层网络路由.

安全性 通过用户授权管理来保护系统

实时监控 实时监控系统的运行状态.

日志记录 记录系统使用情况和状态方便系统排查.



DDM V 1.1 新功能



ST 2110

AES67

Dante Domain Manager 1.1 支持的功能:

- **SMPTE 2110** – 完全兼容SMPTE2110，支持 Level A, B, C 组播流
- **AES67** – 更强兼容AES67，并自定义时钟优先级
- **GPS synchronization** – 支持外部GPS时钟，可以实现远距离传输
- **LDAPS & SMTPS** – 支持LDAPS和SMTPS服务基本安全协议

DDM 版本的区别

DDM EDITION DDM版本	SILVER 银版	GOLD 金版	PLATINUM 铂金版
CAPACITY 容量			
* No of Dante Domains Dante 域的数量	2	10	50
* No of Nodes (Dante Devices) Dante的设备终端	10	40	250
FEATURES 特色	INCLUDED 包括	INCLUDED 包括	INCLUDED 包括
* Create and manage domains 创建和管理Dante域	Yes	Yes	Yes
* Configure domains across subnets 可跨子网配置域	Yes	Yes	Yes
* Dashboards and alerts 监控面板和警告提醒	Yes	Yes	Yes
* Detailed audit log 详细的修改记录	Yes	Yes	Yes
* Automatic discovery of Dante devices Dante 设备自动发现	Yes	Yes	Yes
* Responsive browser interface (computer, phone, tablet) 浏览器界面响应 (电脑、手机、平板)	Yes	Yes	Yes
* User definition and role management 用户自定义和权限管理	Yes	Yes	Yes
* Virtual server support 支持虚拟服务器	Yes	Yes	Yes
* System backup and restore 系统备份和重置	Yes	Yes	Yes
* Secure, encrypted control traffic 数据流安全加密控制	Yes	Yes	Yes
* Route audio between Dante domains Dante域之间音频可相互路由	Yes	Yes	Yes
* Enhanced event and alert filtering 强大的事件和警告筛选功能	x	Yes	Yes
* LDAP and Active Directory integration 支持LDAP和活动目录集成功能	x	Yes	Yes
* High Availability redundancy 高可用性冗余	x	x	Yes
* SNMP alerts 支持SNMP警告	x	x	Yes

超过250台设备的应用，请直接联系我们

Silver

小型系统

会议室，接待区，教堂或者教室

Gold

中型系统

含有多个房间和公共空间，且IT环境比较严格的应用

Platinum

大型系统

对于要求非常严格，并包括多个应用者，多个房间和多个设备的大型系统

Use Cases 使用案例



教堂



- 教堂项目喜欢使用Dante，因为Dante对于初学者很容易使用
- 结合DDM可以保护整个AV网络系统，初学者或者志愿者可以可以使用自己的账户使用
 - 根据工作人员对系统的熟悉度，可以分配不同的权限
 - 可以防止不必要的失误

系统依旧被志愿者或客户管理



对不允许被修改的内容进行管理

对于不同的使用者提供不同的使用许可权, 包括客户



企业



- 企业项目比较喜欢Dante技术，因为可以通过使用Dante Controller和Dante 虚拟声卡可以无缝的、简单的与UC应用建立连接，传输高质量的音频
- 结合DDM可以根据应用划分组，并对不同组授予不同的权限，保护整个的会议系统
 - 确保音频仅仅传输到正确的地方
 - 通过简单的域来隔离不同的应用，可以避免失误

会议系统-未来（ZOOM+Dante+ Shure）



+



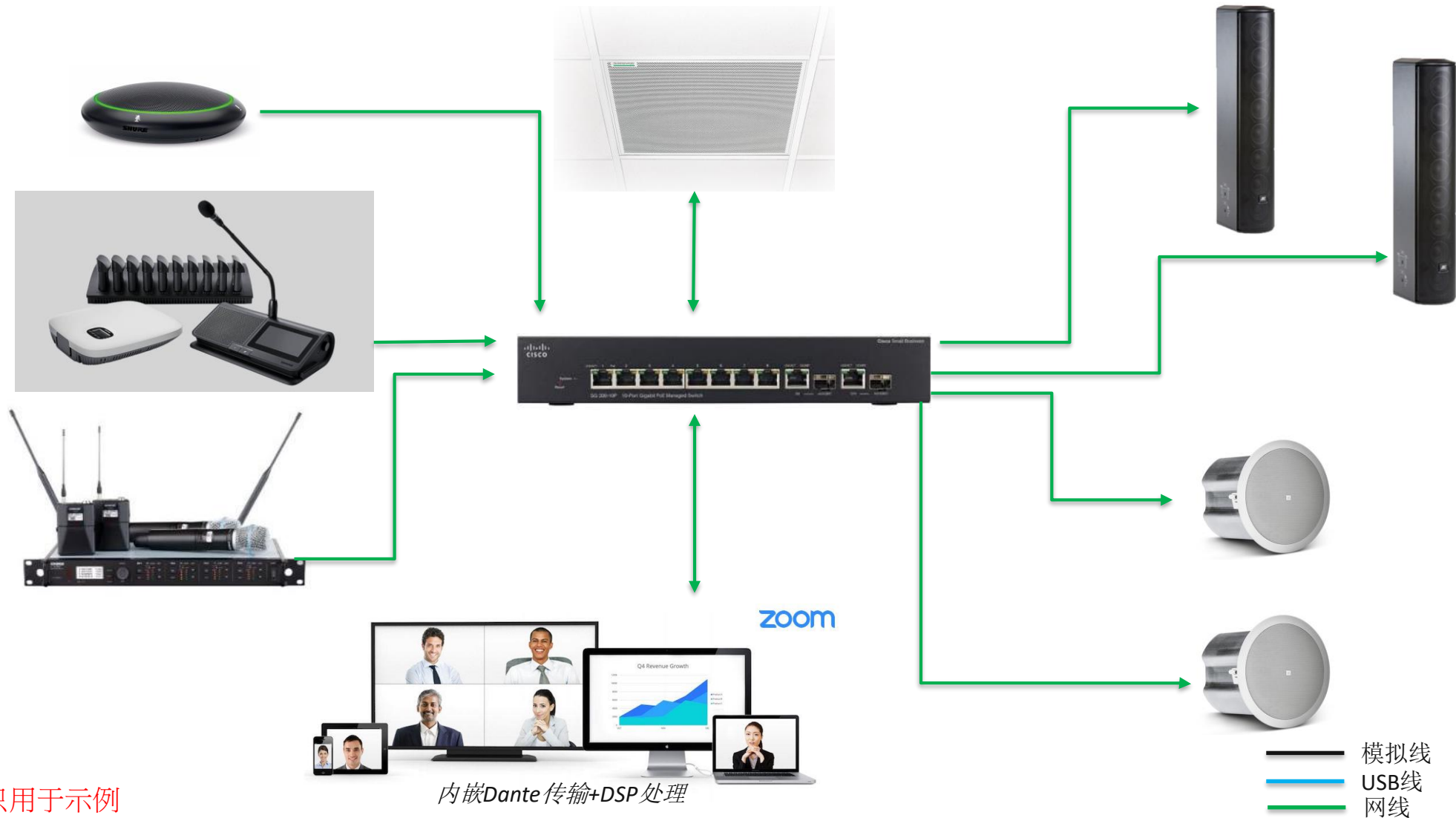
+



注：以上圖片只用于示例

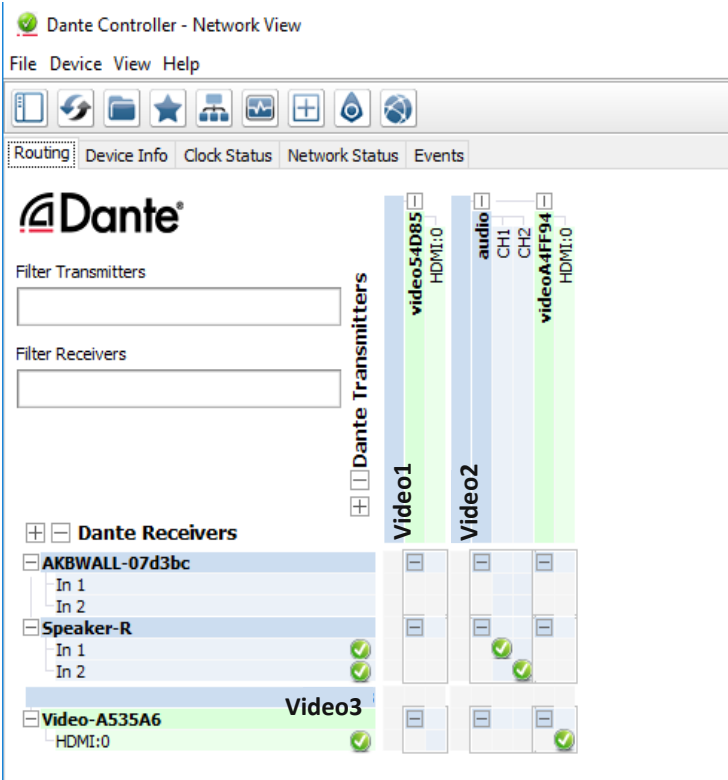
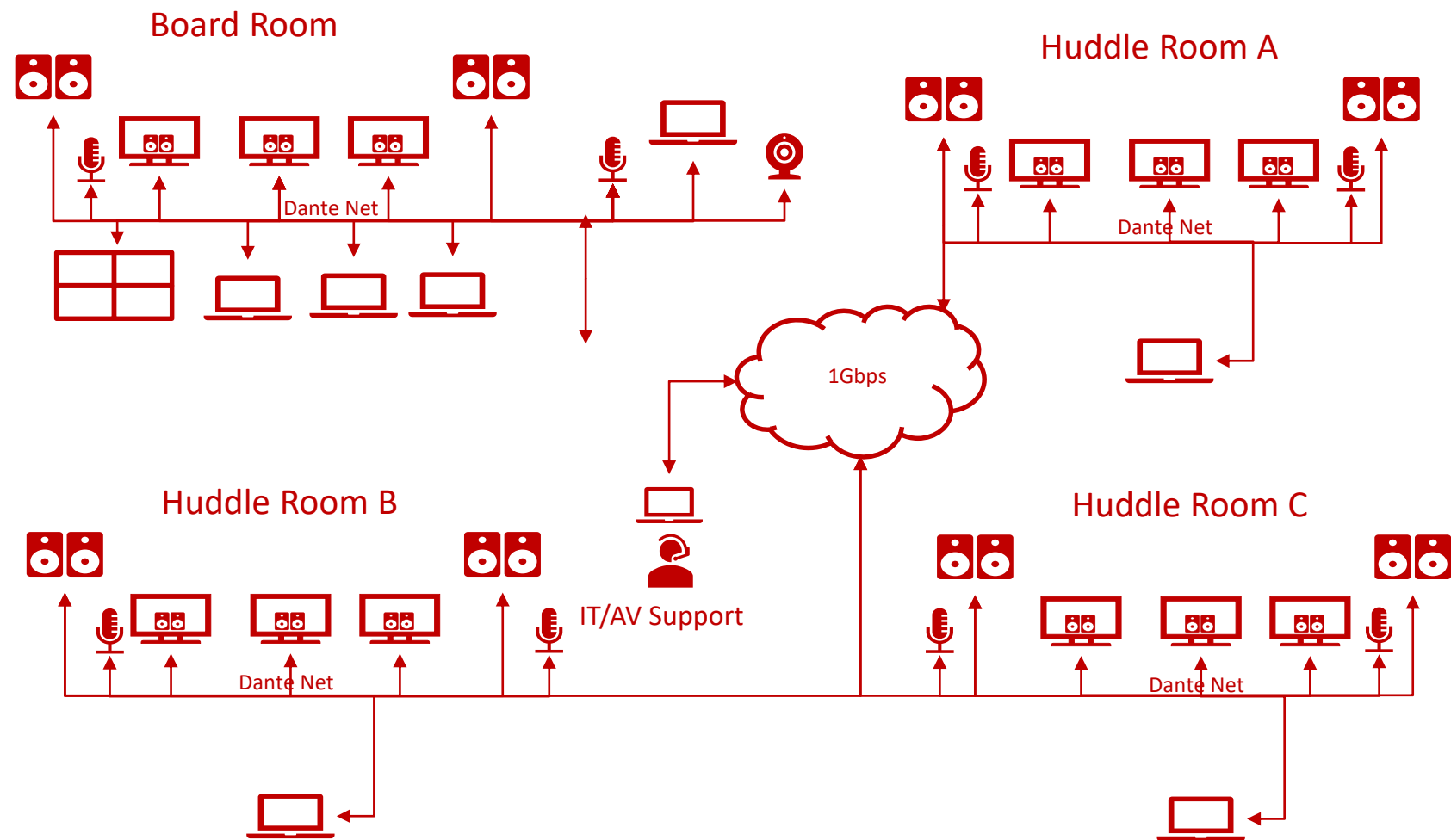


会议系统-未来会议系统 (内嵌 DSP+Dante 传输)



注：以上圖片只用于示例

会议系统-音讯 + 视频最终融为一体-Dante AV



广电，转播车和录音棚

- 广电，转播车和录音棚的AV管理员喜爱Dante, 是因为Dante可以让您系统的任何设备都可以相互连接
- 结合DDM可以逻辑的把设备分组到域内，加强用户授权和不同网段之间的信号路由
 - 隔离和保护不同的域
 - 扩展整个网络系统到上千台设备
 - 控制用户权限
 - 对于事件的整体修改日志



案例分析-BBC Wales Cymru

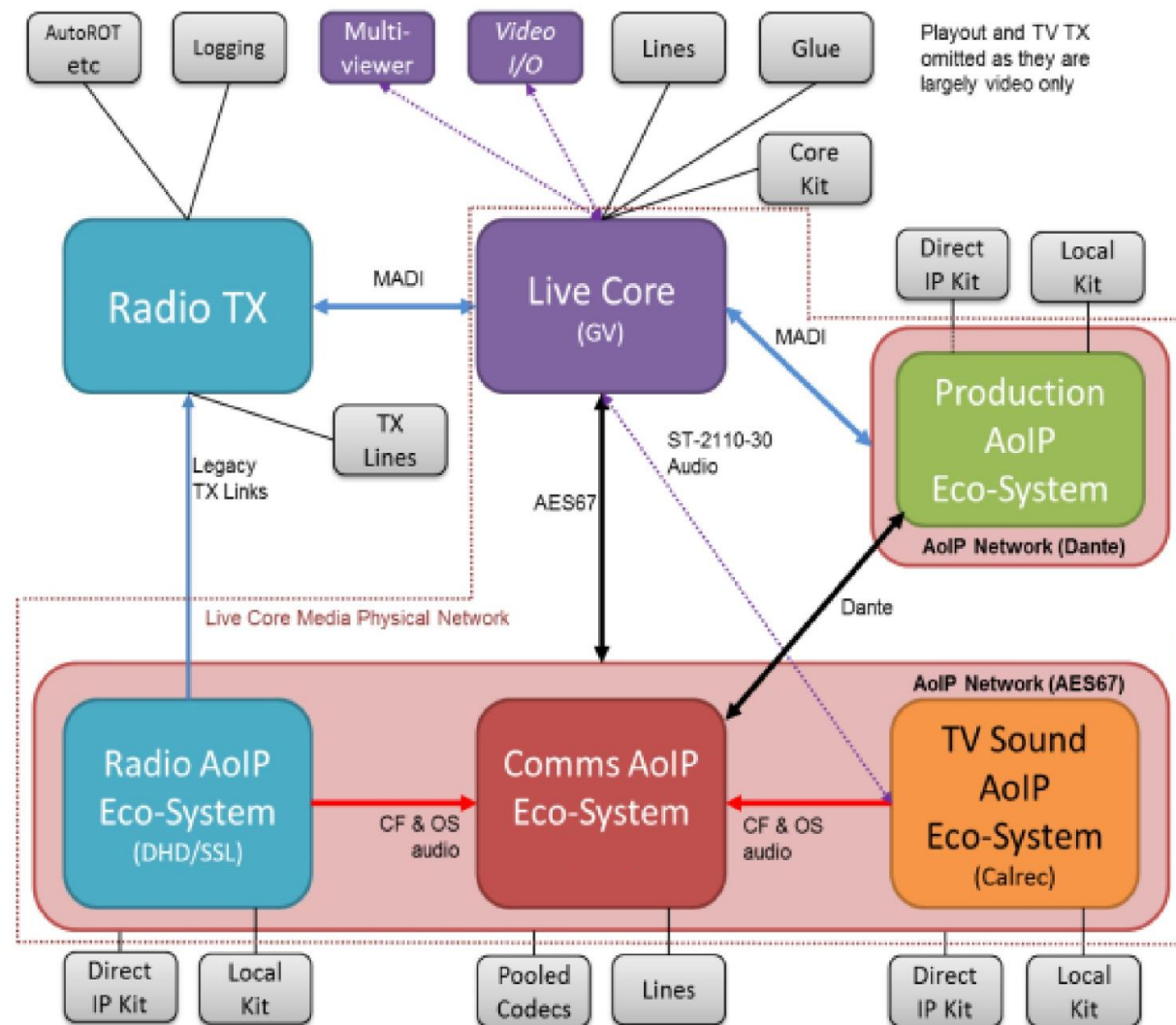
项目情况和简介:

- 建筑尺寸: 14,700m², 72x72x33m
- 演播室高度: 6.3m or 5.5m, 办公区域高度: 3.5m
- 1x 大型的多功能AR演播室 (230m², 8 个摄像机)
- 1x 灵活的后期制作区域(168 m², 照明和廊道控制)
- 1x VR/AR 新闻演播室(168m², 3 个摄像机)
- 1x 公告/社交媒体演播室室 (45m², 2 个摄像机)
- 22x 编辑室
- 3x 配音房与相关的VO位
- 2x 带轨道的演播室
- 4x 多功能演播室(audio & TV)
- 6x 灵活的媒体区域
- 4x 带VO位的新闻演播室
- 很多现场直播的新闻间/工作室
- 10x 音频编辑室
- 1x 带有观察室的操作控制区



案例分析-BBC Wales Cymru

- 主要使用了
 - AES67 结合 2110 传输音视频
 - AES67 结合 Dante 传输音频
 - PTP 时钟实现跨网络同步（同步于GPS时钟）
- 5012 个音频源, 6097 个音频接受终端
- 855 个视频源, 1169 个接受终端
- Live IP 用于全部音视频的核心路由
- SMPTE 2110 作为主要的流 (2110-10, -20, -30 & -40)
- NMOS IS-04 用于设备查询
- NMOS IS-05 用于设备连接管理

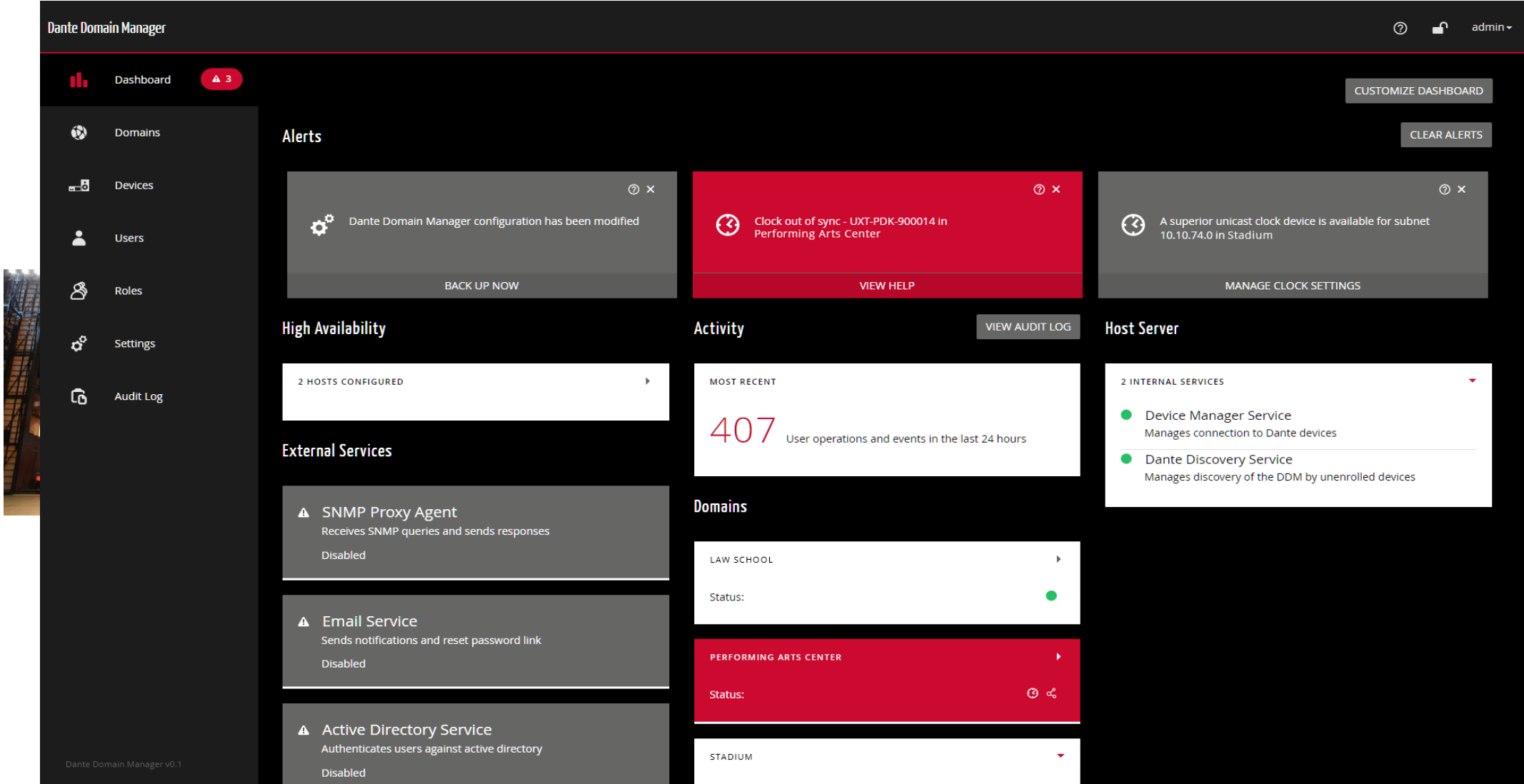


教育

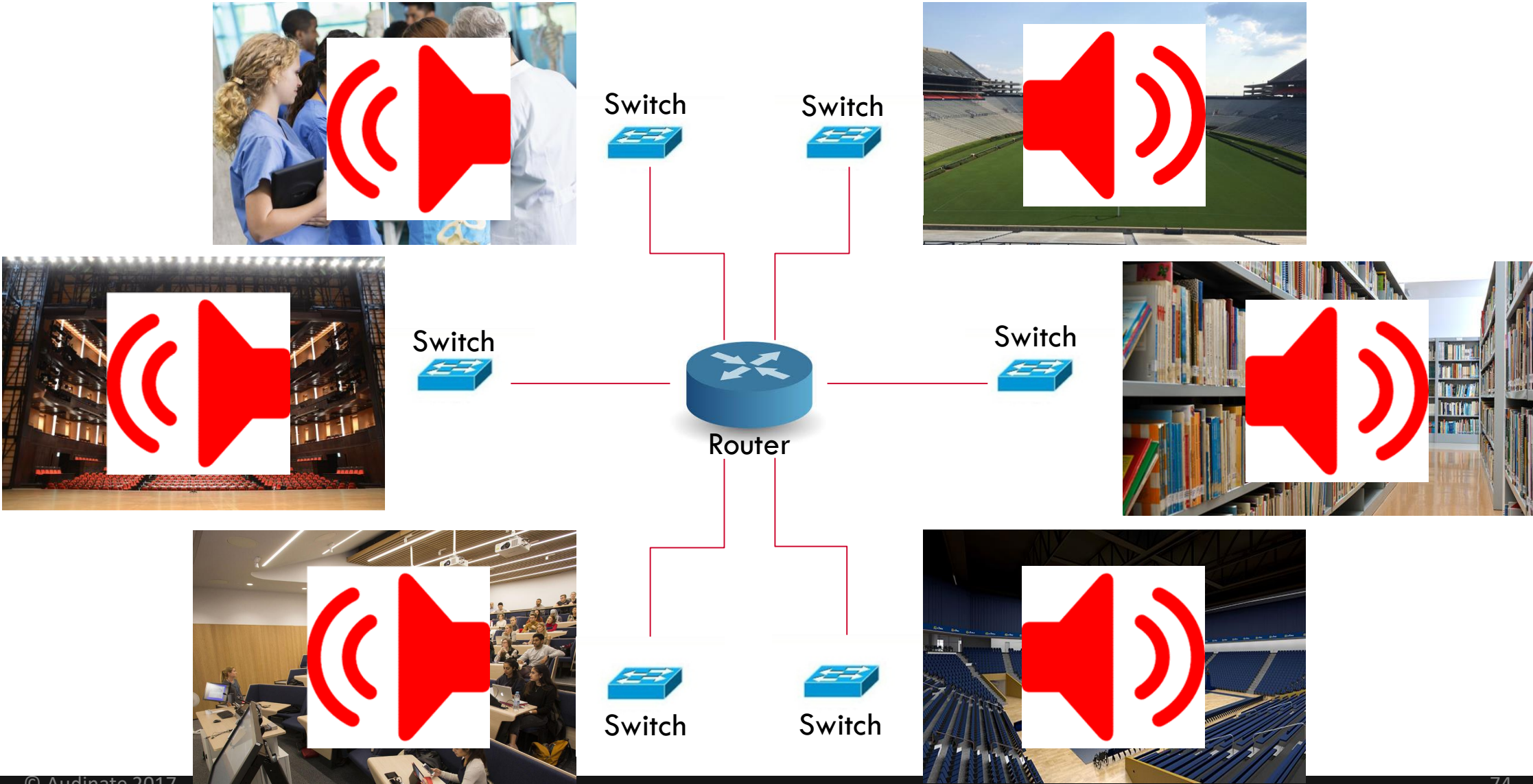
- 大学和教堂需要多个建筑之间的音频互通，Dante的高性能和可实现不同子网的互通正好满足了他们的需求
- 结合DDM同时也可以保护整体系统的安全和实现全AV-over-IP的架构
 - 不需要实施复杂的VLANs
 - 可以阻止没有授权的系统访问
 - 统一整体的AV系统集成



校园系统的Dante系统状态



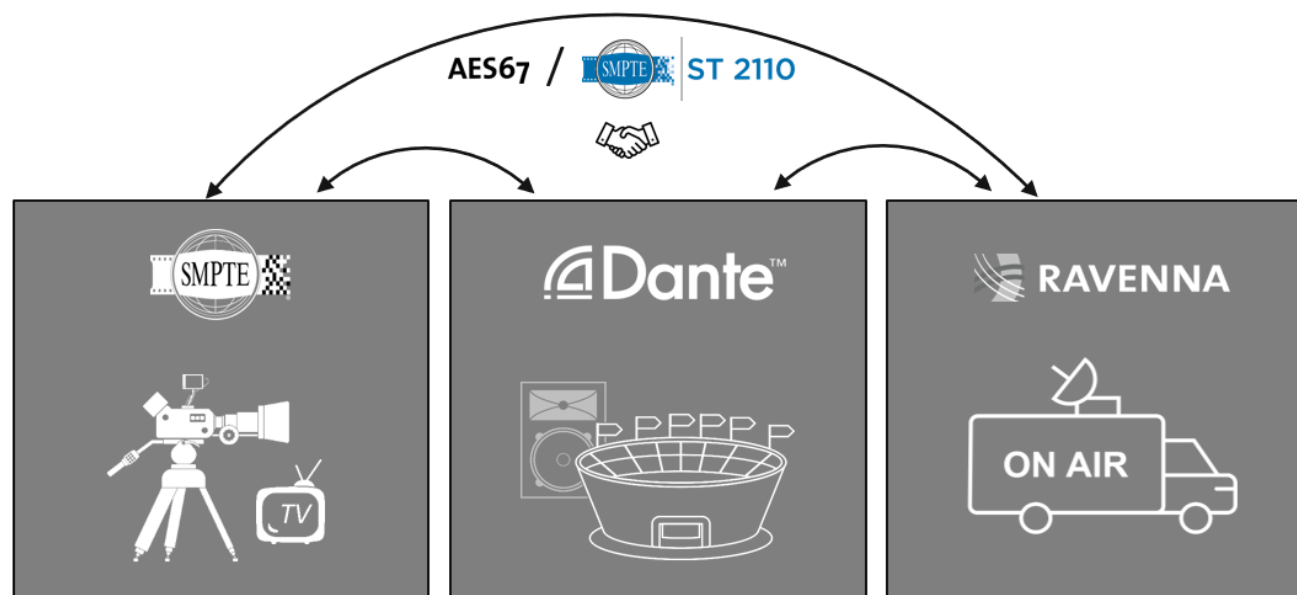
校园广播系统和专业AV系统



Dante 线上课程 03-Dante, AES67 和SMPTE 2110的无缝融合

•课程大纲:

- 什么是AES67和SMPTE2110
- Dante, AES67 和SMPTE2110 的区别
- 结合DDM, Dante怎么可以更好的与AES67结合
- Dante怎么可以跟SMPTE 2110无缝融合
- Dante 怎么实现远距离的传输



谢谢大家!
Q&A

