Microsoft

MICROSOFT PRODUCTION STUDIOS

Dante Infrastructure Project

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Systems Engineer

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MICROSOFT PRODUCTION STUDIOS

Who We Are……AND……What We Do

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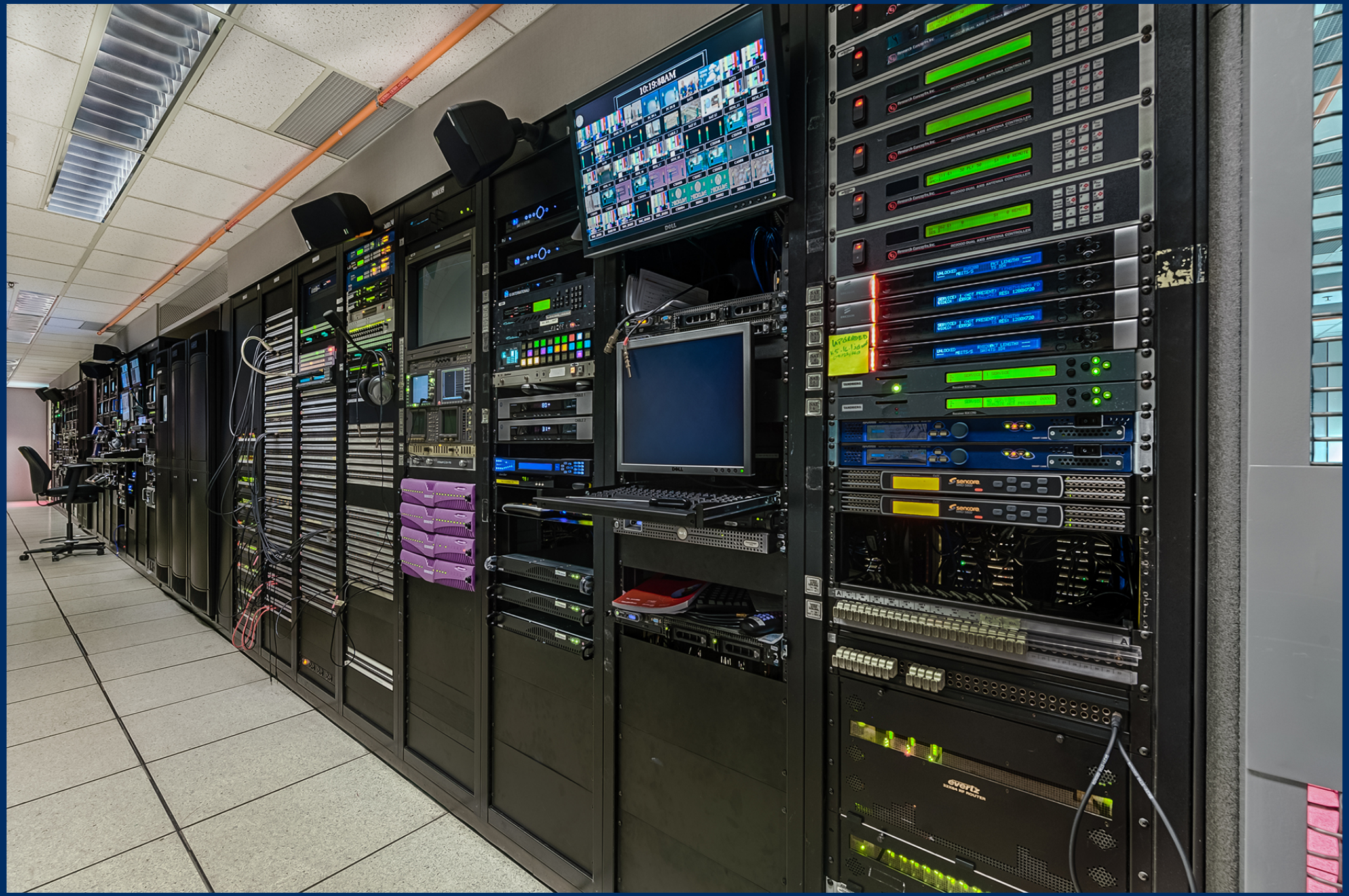

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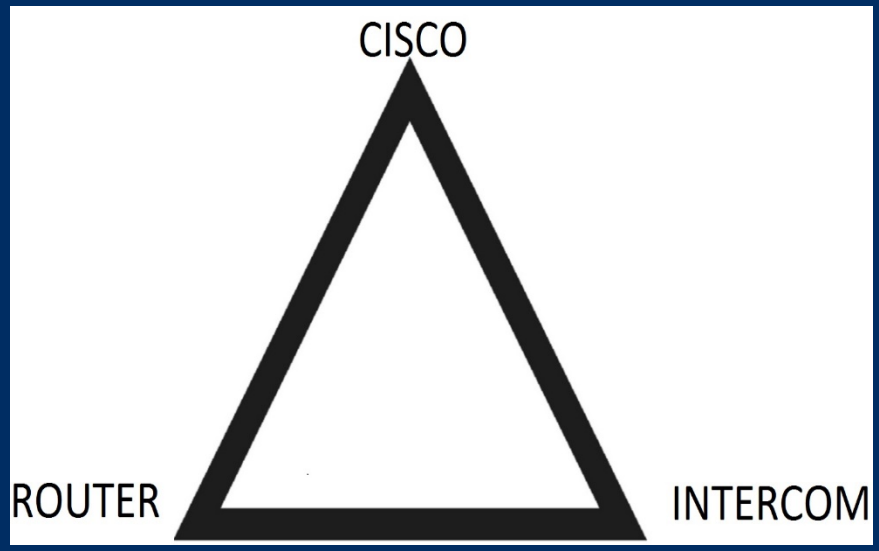
- How Audinate's Dante Technology Came About For Production Studios
- How Dante and IP Are Tying My Core Systems Together



- 10,000 Foot Network Topology View
- Topology Broken Down Into Six (6) Sections

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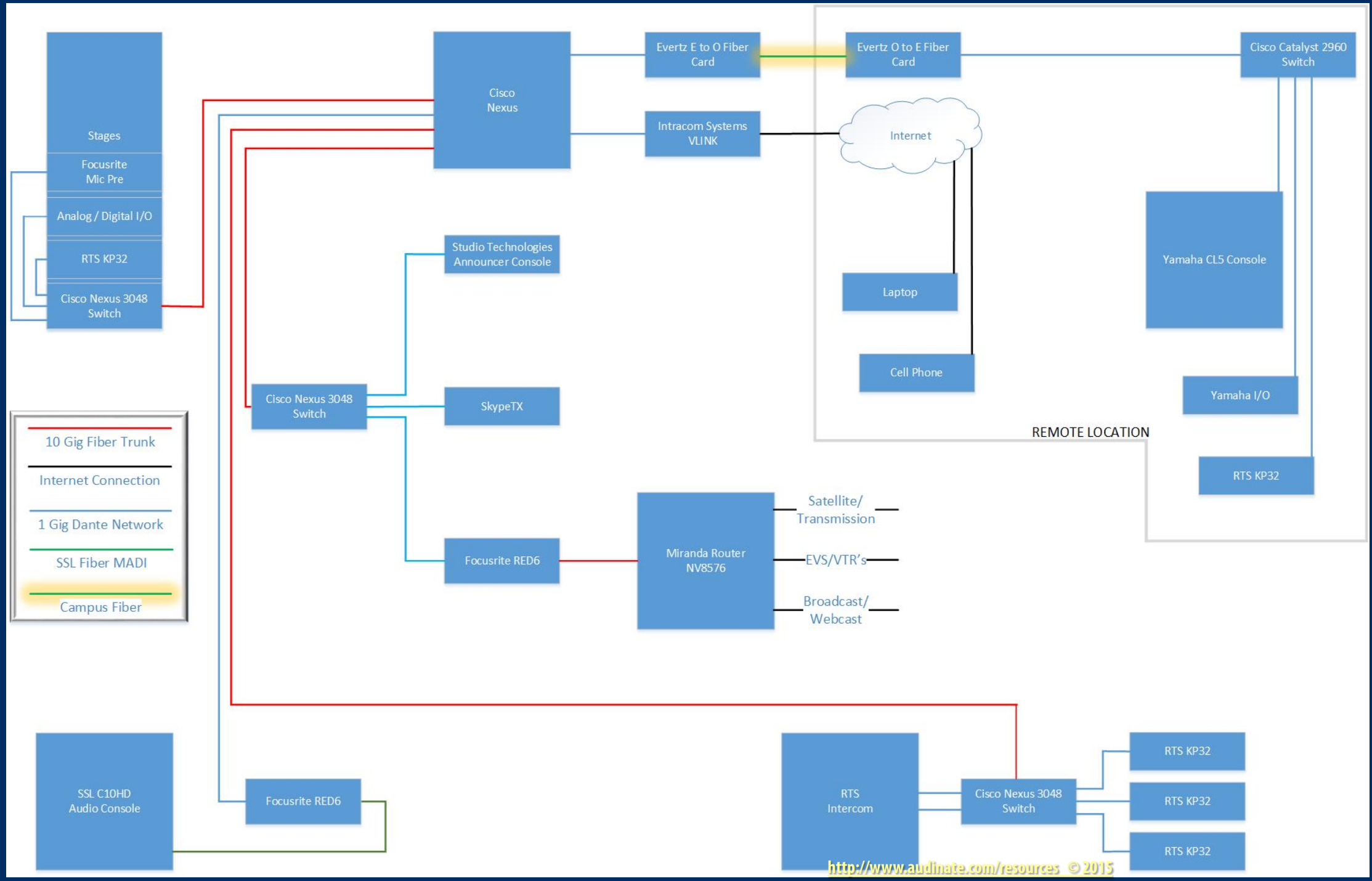
Stages
Focusrite Mic Pre
Analog / Digital I/O
RTS KP32
Cisco Nexus 3048 Switch
Cisco Nexus
Evertz E to O Fiber Card
Intracom Systems VLINK
Evertz O to E Fiber Card
Cisco Catalyst 2960 Switch
Internet
Laptop
Cell Phone
Yamaha CL5 Console
Yamaha I/O
RTS KP32
REMOTE LOCATION
Studio Technologies Announcer Console
SkypeTX
Cisco Nexus 3048 Switch
Focusrite RED6
Miranda Router NV8576
Satellite/ Transmission
EVS/VTR's
Broadcast/ Webcast
10 Gig Fiber Trunk
Internet Connection
1 Gig Dante Network
SSL Fiber MADI
Campus Fiber
SSL C10HD Audio Console
Focusrite RED6
RTS Intercom
Cisco Nexus 3048 Switch
RTS KP32
RTS KP32
RTS KP32
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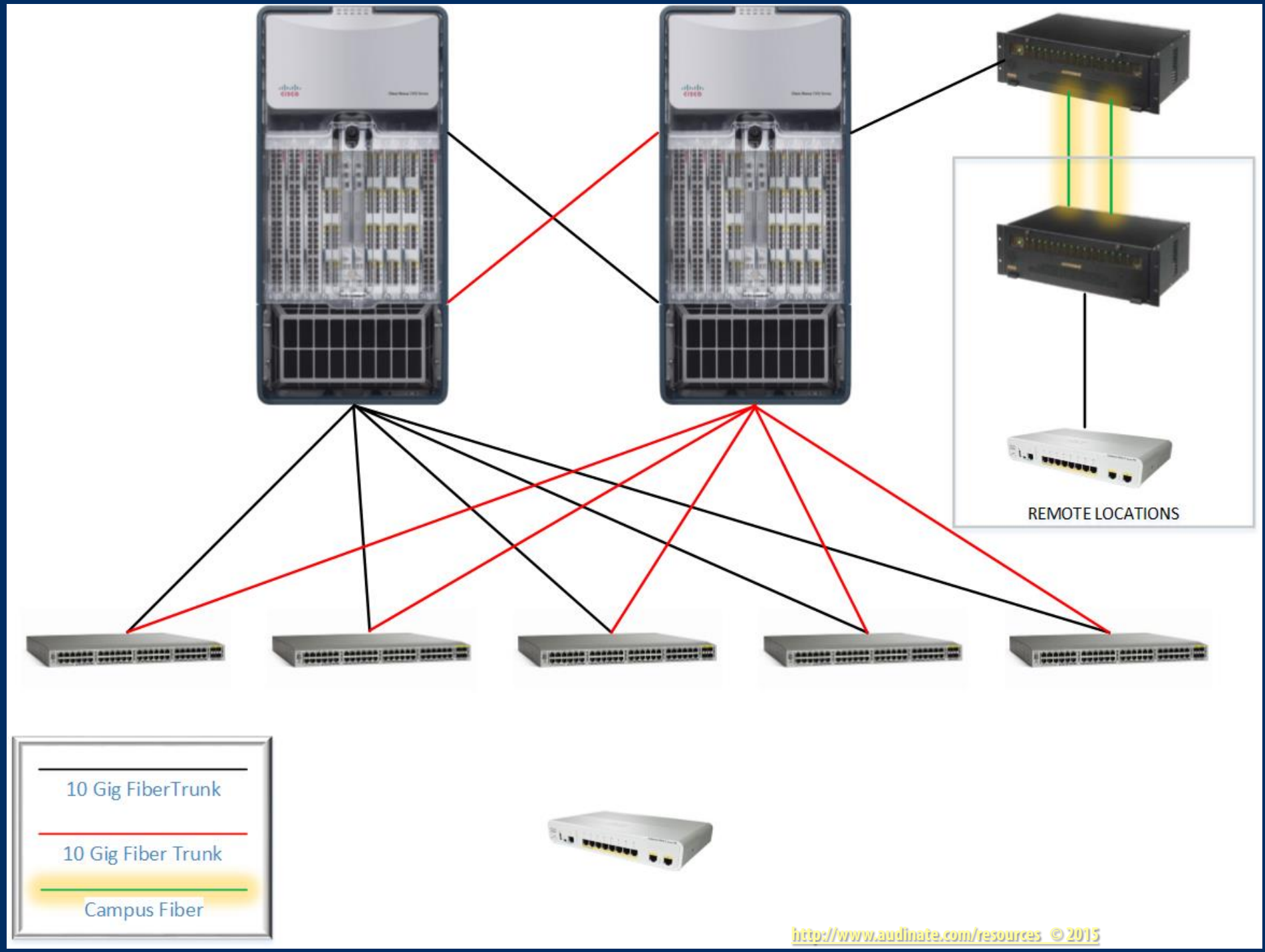

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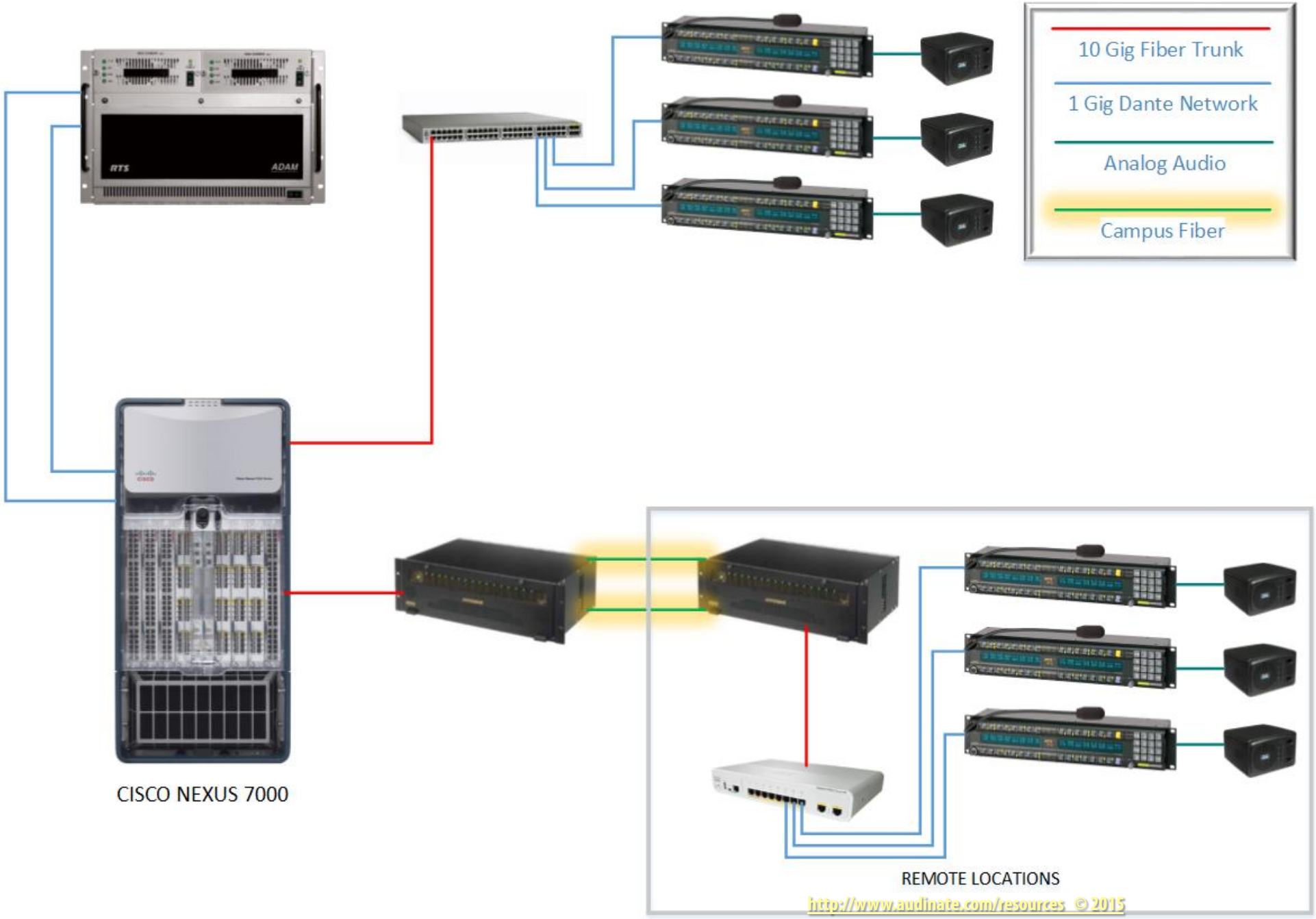
10 Gig Fiber Trunk
1 Gig Dante Network
Analog Audio
Campus Fiber
RTS
ADAM
CISCO NEXUS 7000
REMOTE LOCATIONS
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CISCO NEXUS 7000

VLINK SERVER

1 Gig Dante Network

Internet Connection

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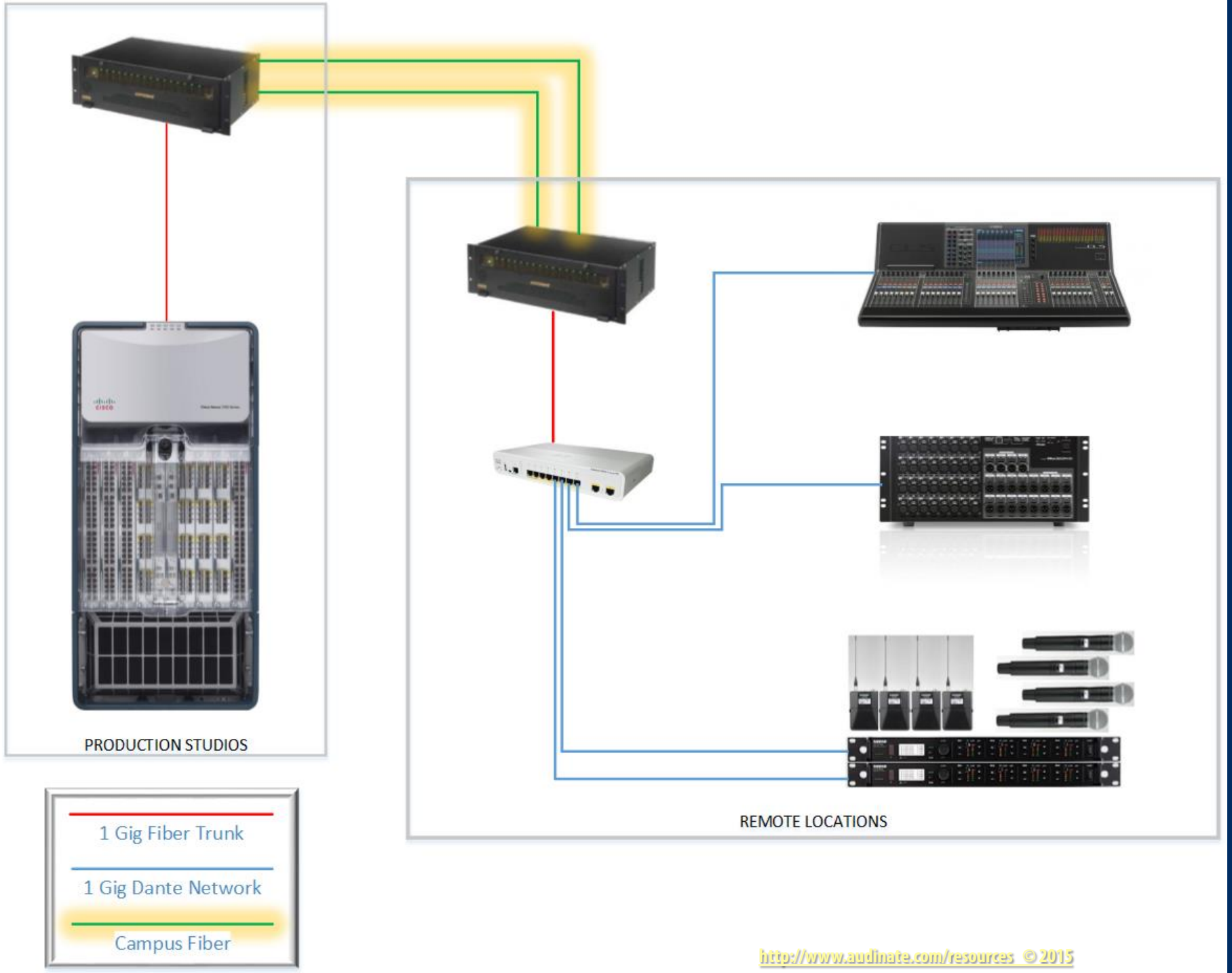

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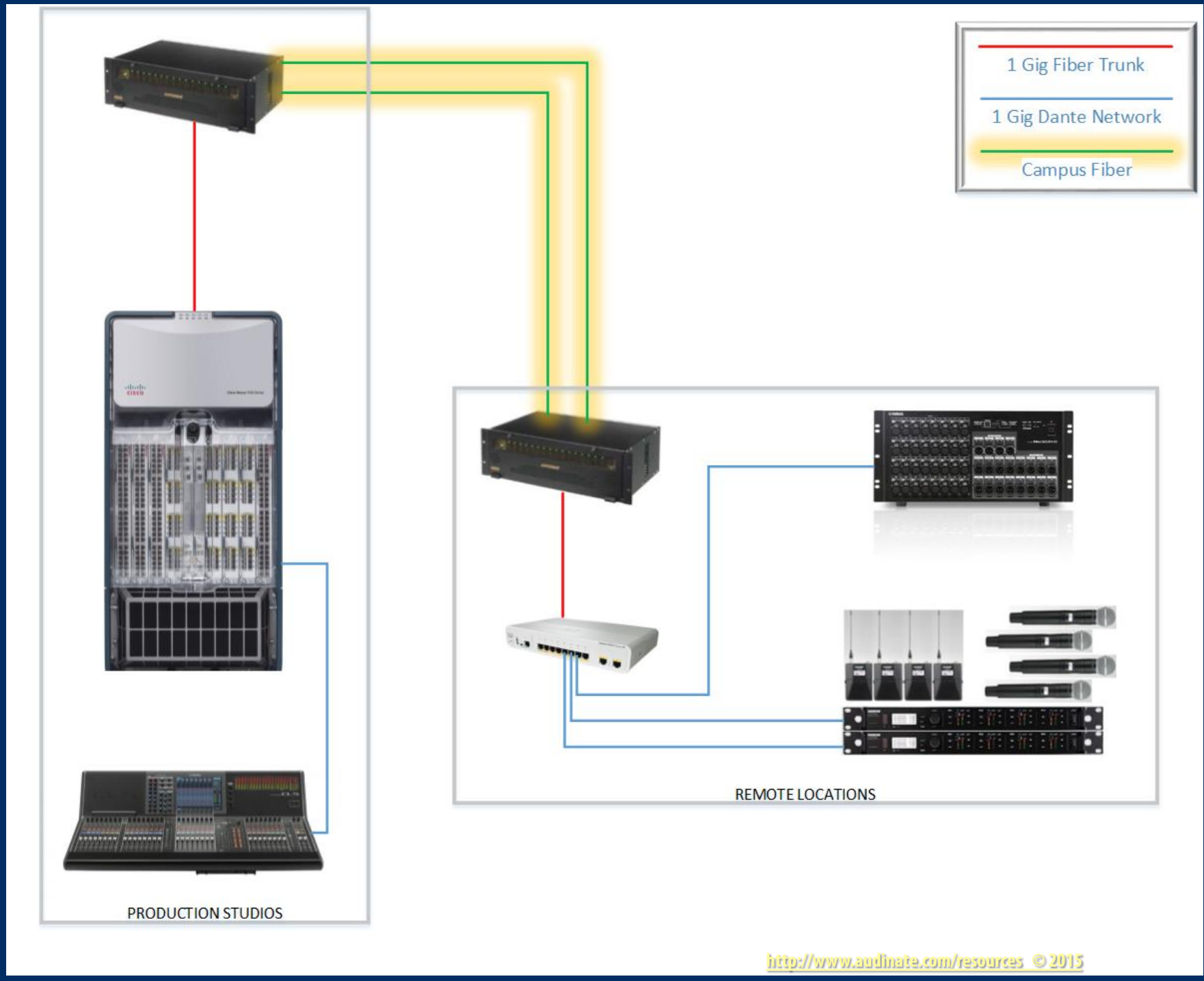
1 Gig Fiber Trunk
1 Gig Dante Network
Campus Fiber
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CURRENT AUDIO UPGRADE HAPPENING TODAY

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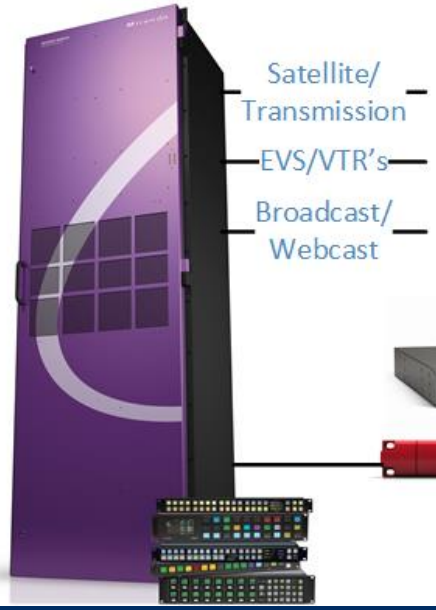
10 Gig Fiber Trunk

1 Gig Dante Network

MADI (64 Chan. I/O)

SSL Fiber MADI

AUDIO CONTROL ROOMS (X2)



Satellite/ Transmission

EVS/VTR's

Broadcast/ Webcast

Stages (X4)

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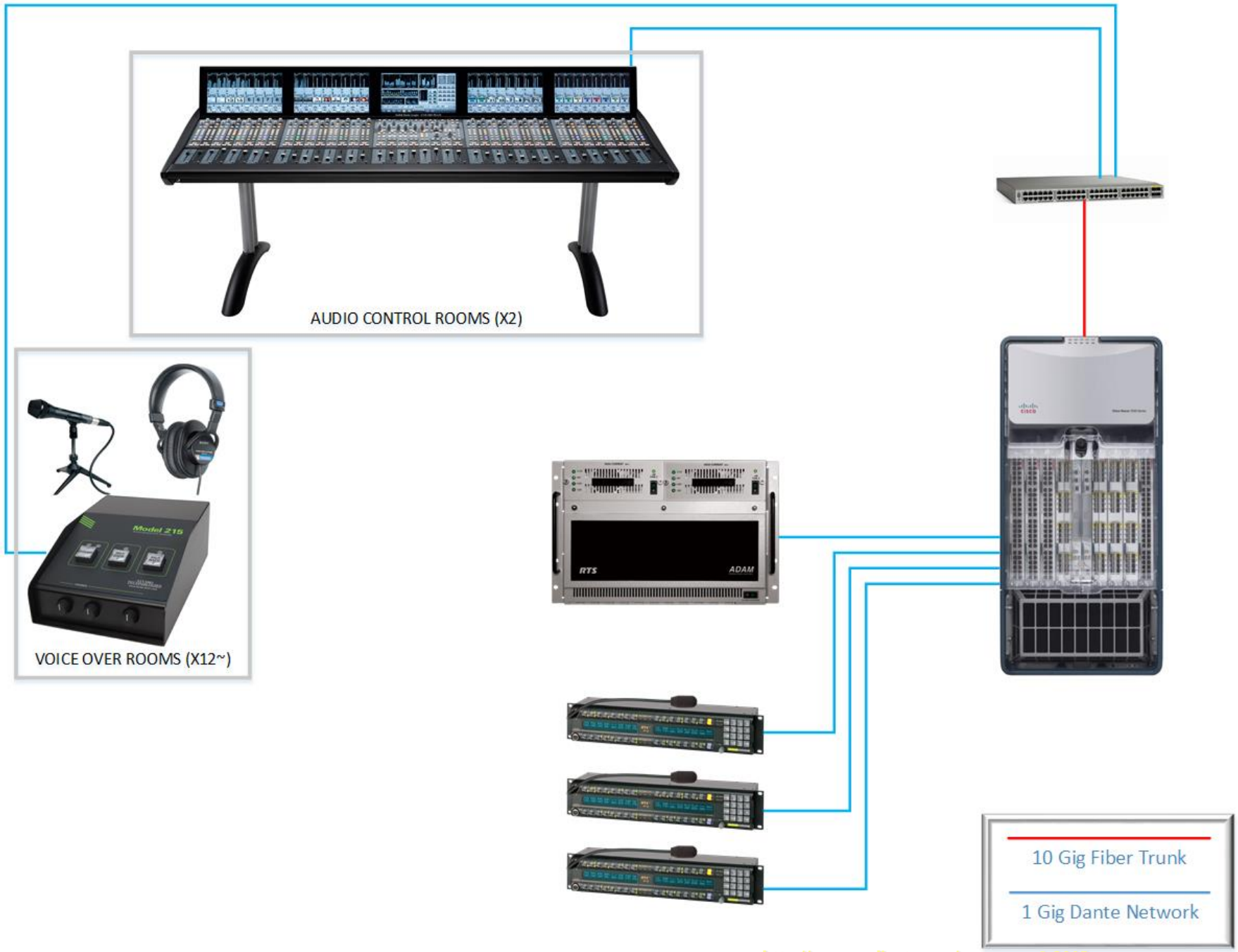
AUDIO CONTROL ROOMS (X2)
VOICE OVER ROOMS (X12~)
Model 219
RTS
ADAM
10 Gig Fiber Trunk
1 Gig Dante Network
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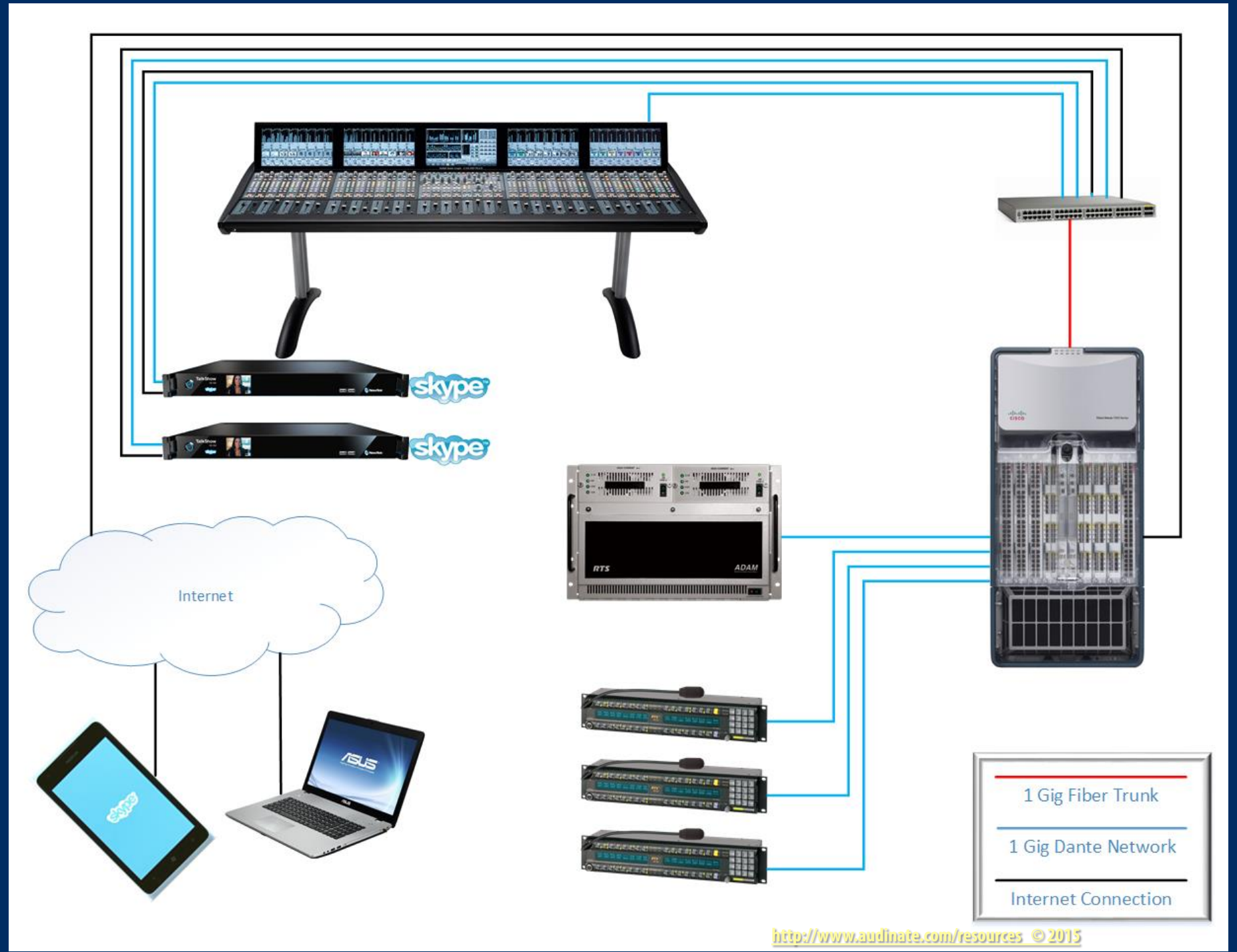
skype
skype
RTS
ADAM
Internet
1 Gig Fiber Trunk
1 Gig Dante Network
Internet Connection
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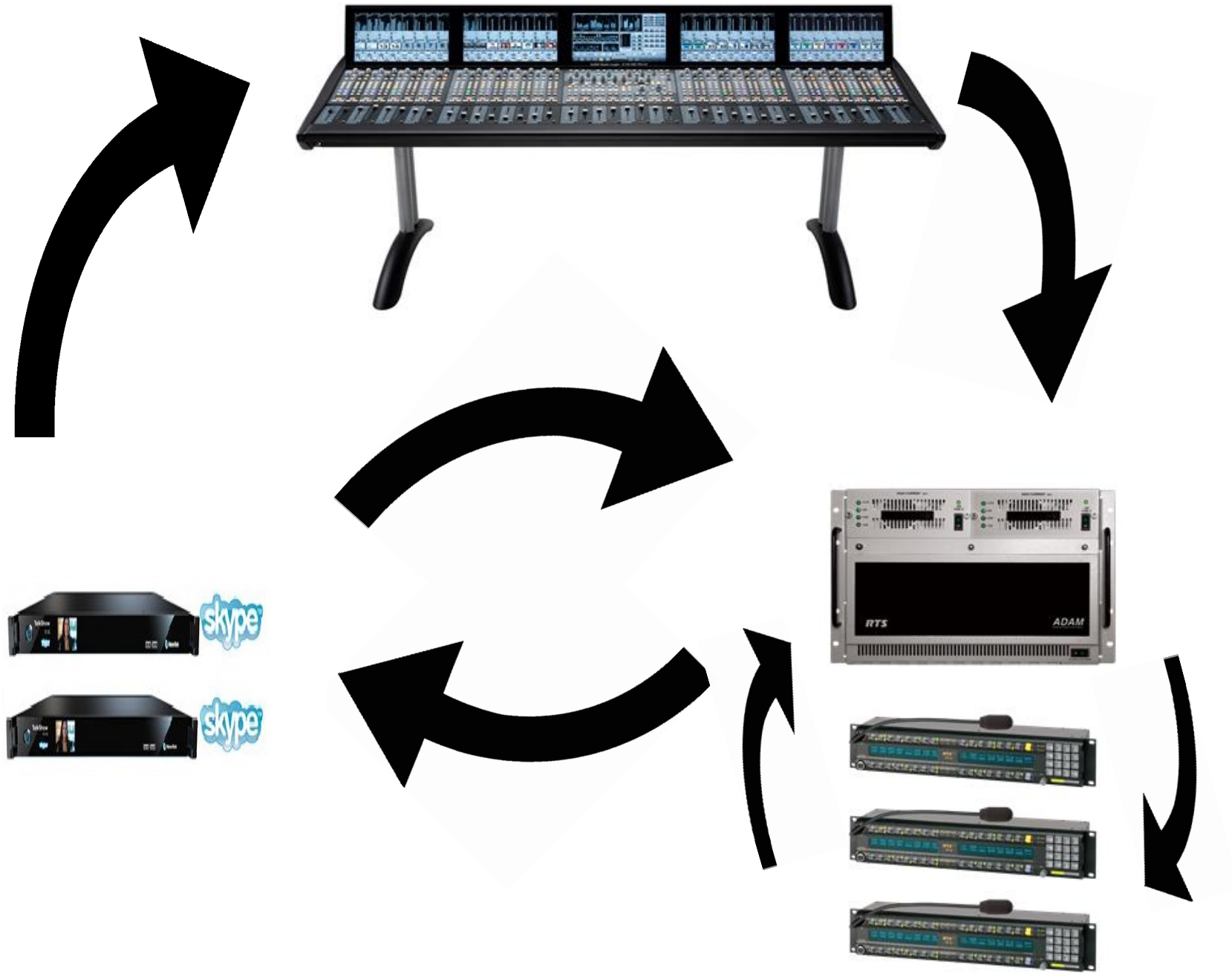

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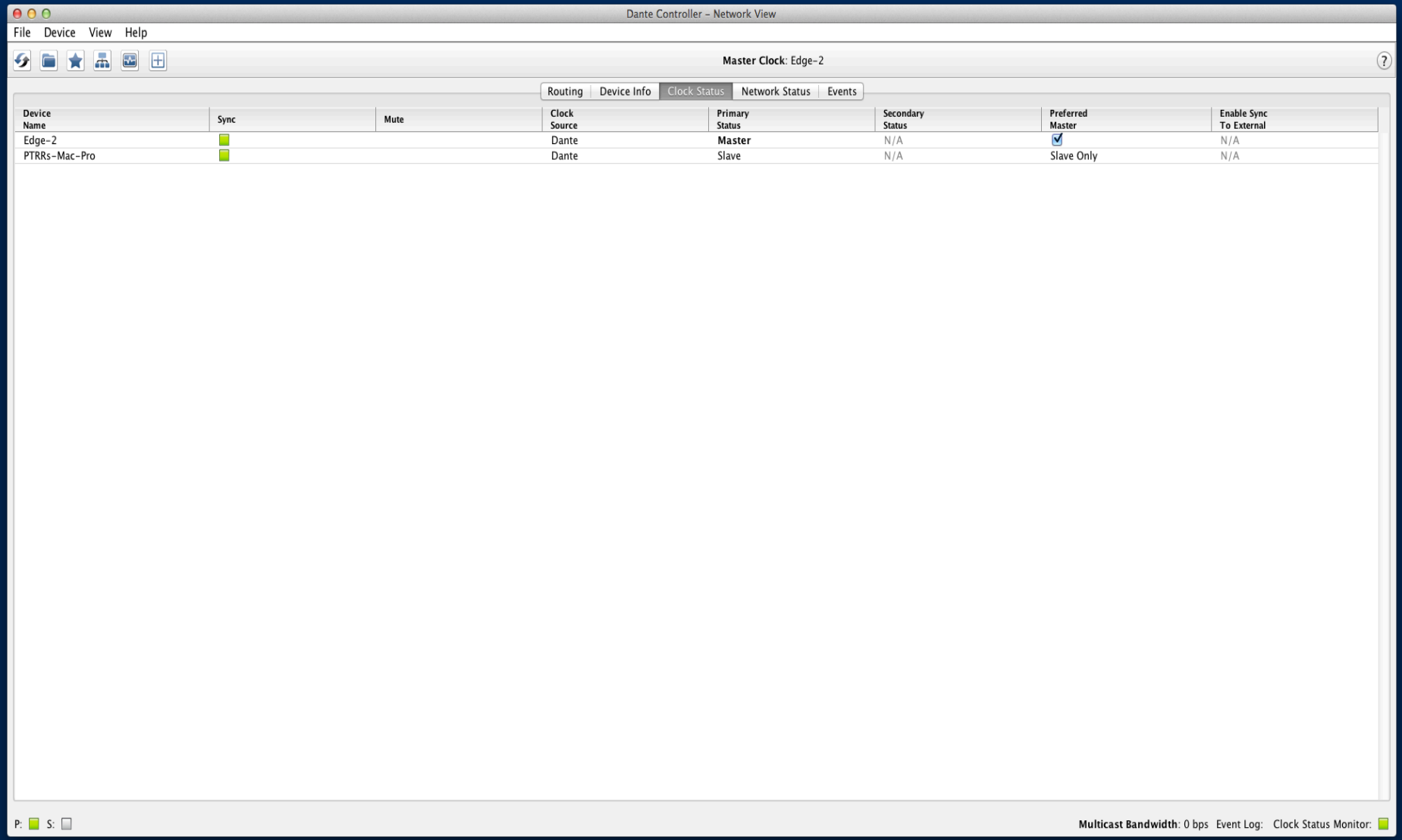

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Dante Controller - Network View

File Device View Help

Close

Master Clock: HUB-MR219-RED6-01

Routing | Device Info | Clock Status | Network Status | Events

Device Name	Sync	Mute	Clock Source	Primary Status	Secondary Status	Preferred Master	Enable Sync To External
B127VLink001-128			Dante	Slave	N/A		N/A
HUB-MR219-RED6-01			External Clock	**Master**	N/A	☑	☑
HUB-MR219-RED6-02			Dante	Slave	N/A	☑	☑
HUB-MR219-RED6-03			Dante	Slave	N/A	☑	☑
HUB-MR219-RED6-04			Dante	Slave	N/A	☑	☑
HUB-MR219-RED6-05			Dante	Slave	N/A	☑	☑
HUB-MR219-RED6-06			Dante	Slave	N/A	☑	☑
KP32-MAAD			Dante	Slave	N/A		
KP32-MAAU			Dante	Slave	N/A		
KP32-MACG			Dante	Slave	N/A		
KP32-MADI			Dante	Slave	N/A		
KP32-MAP1			Dante	Slave	N/A		
KP32-MAP2			Dante	Slave	N/A		
KP32-MATD			Dante	Slave	N/A		
KP32-MBAD			Dante	Slave	N/A		
KP32-MBAU			Dante	Slave	N/A		
KP32-MBCG			Dante	Slave	N/A		
KP32-MBDI			Dante	Slave	N/A		
KP32-MBP1			Dante	Slave	N/A		
KP32-MBP2			Dante	Slave	N/A		
KP32-MBTD			Dante	Slave	N/A		
KP32-MCAU			Dante	Slave	N/A		
KP32-QCIC			Dante	Slave	N/A		
KP32-QCRS			Dante	Slave	N/A		
KP32-QCVL			Dante	Slave	N/A		
KP32-SCN1			Dante	Slave	N/A		
KP32-SCN2			Dante	Slave	N/A		
KP32-SHD1			Dante	Slave	N/A		
KP32-SHD2			Dante	Slave	N/A		
KP32-SKP1			Dante	Slave	N/A		
KP32-SKP2			Dante	Slave	N/A		
KP32-STGA			Dante	Slave	N/A		
KP32-STGB			Dante	Slave	N/A		
KP32-STGC			Dante	Slave	N/A		
KP32-STGD			Dante	Slave	N/A		
KP32-TOC1			Dante	Slave	N/A		
KP32-TOC2			Dante	Slave	N/A		
KP32-TOC3			Dante	Slave	N/A		
KP32-VDL1			Dante	Slave	N/A		
KP32-VDL2			Dante	Slave	N/A		
KP32-VID1			Dante	Slave	N/A		
KP32-VID2			Dante	Slave	N/A		
MR422-TEST			Dante	Slave	N/A		N/A
Omneo001-064			Dante	Slave	N/A		
Omneo065-128			Dante	Slave	N/A		
Omneo129-192			Dante	Slave	N/A		
Omneo193-256			Dante	Slave	N/A		
REDNET5-ACR1			Dante	Slave	N/A		
REDNET5-ACR2			Dante	Slave	N/A		
ST-01CoughBox			Dante	Slave	N/A		N/A
ST-02CoughBox			Dante	Slave	N/A		N/A
ST-03CoughBox			Dante	Slave	N/A		N/A
ST-04CoughBox			Dante	Slave	N/A		N/A
ST-05CoughBox			Dante	Slave	N/A		N/A
ST-06CoughBox			Dante	Slave	N/A		N/A
StageA-BOB-IO-01-08			Dante	Slave	N/A		
StageA01-08Mics			Dante	Slave	N/A		N/A
StageA09-16Mics			Dante	Slave	N/A		N/A
StageB-BOB-IO-01-08			Dante	Slave	N/A		
StageB01-08Mics			Dante	Slave	N/A		N/A
StageB09-16Mics			Dante	Slave	N/A		N/A
StageC-BOB-IO-01-08			Dante	Slave	N/A		
StageC01-08Mics			Dante	Slave	N/A		N/A
StageC09-16Mics			Dante	Slave	N/A		N/A
VL107-Red6-01			Dante	Slave	N/A		
VL107-Red6-02			Dante	Slave	N/A		
VL107-Red6-03			Dante	Slave	N/A		
VL2-Shure01-08Mics			Dante	Slave	N/A		N/A
VL2-Shure09-16Mics			Dante	Slave	N/A		N/A
VL207-Red6-01			Dante	Slave	N/A		
VL207-Red6-02			Dante	Slave	N/A		
VL207-Red6-03			Dante	Slave	N/A		
Y001-Yamaha-CL3-04fc5e			Dante	Slave	**Master**		
Y002-Yamaha-CL3-04fc72			Dante	Slave	Passive		

P: S:

Event Log: Clock Status Monitor:

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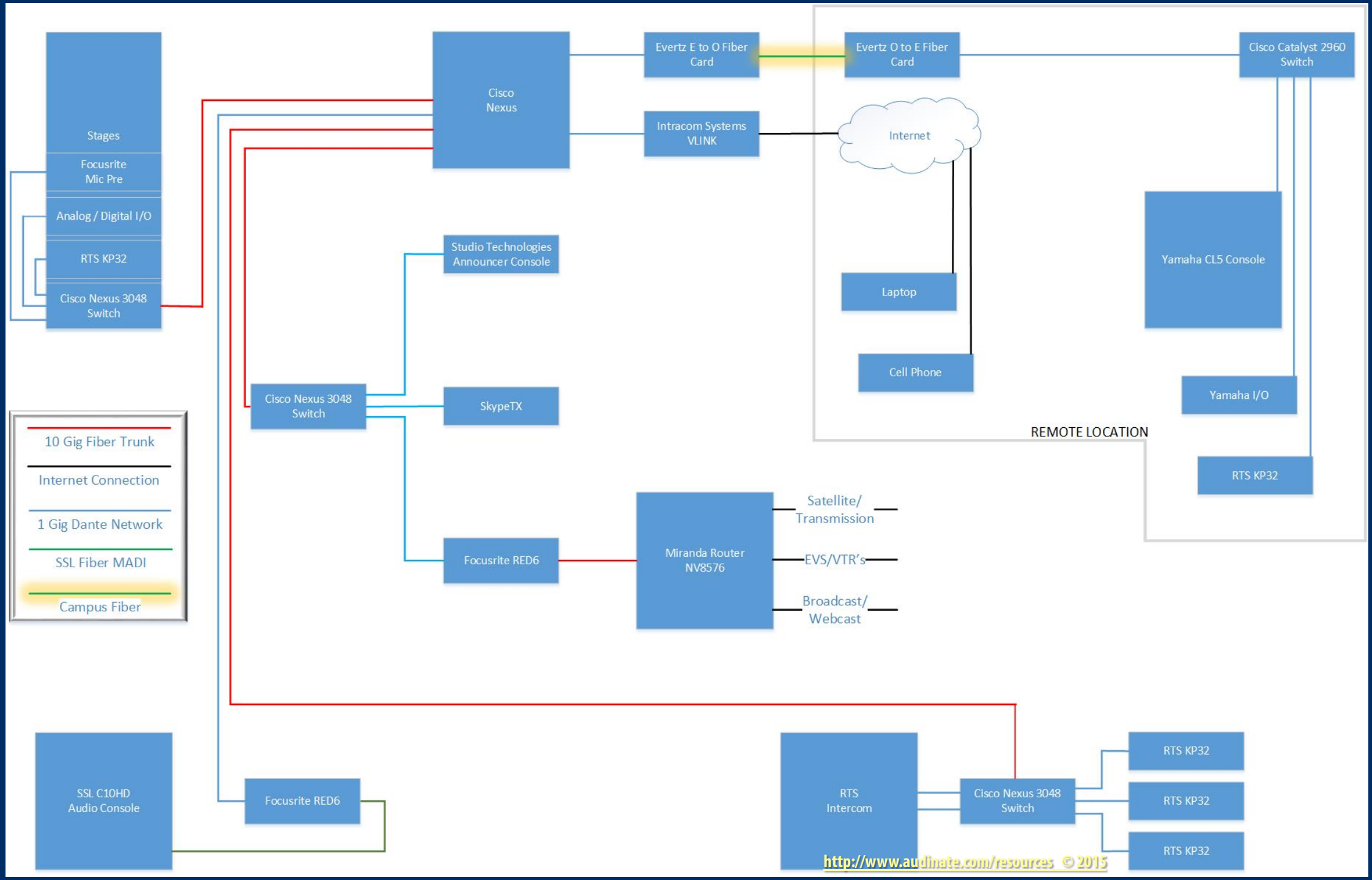
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Cisco Nexus
Evertz E to O Fiber Card
Evertz O to E Fiber Card
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RTS Intercom
Cisco Nexus 3048 Switch
RTS KP32
RTS KP32
RTS KP32
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Q & A

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