

World's Largest 2110 Facility

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The Goal

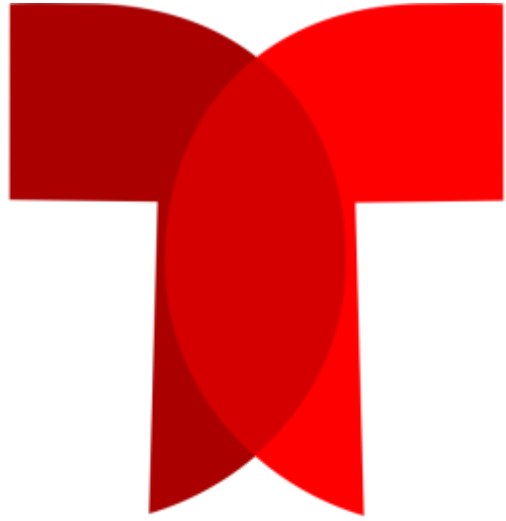
- NBC Universal was looking to build a state of the art facility for the growing Hispanic consumer market in the U.S.

This expansive complex would become the hub to produce more the 3000 hours of content per year.

It would require a flexible, future proof technology environment for its 1,400 employees



**IP SHOWCASE
THEATRE**



TELEMUNDO



The Build

15 - Adjustable Studios

7 - Production Control Rooms

50 – Edit Stations and Suites

2110 – HD/3G and 4K

The Challenge

Production SDI Router Size is equivalent:

12658x13341

ALL 2110 Sources and Destinations



The Challenge

Acquisition SDI Router Size is equivalent:

12658x2270

ALL 2110 Sources and Destinations

The Challenge

10,000

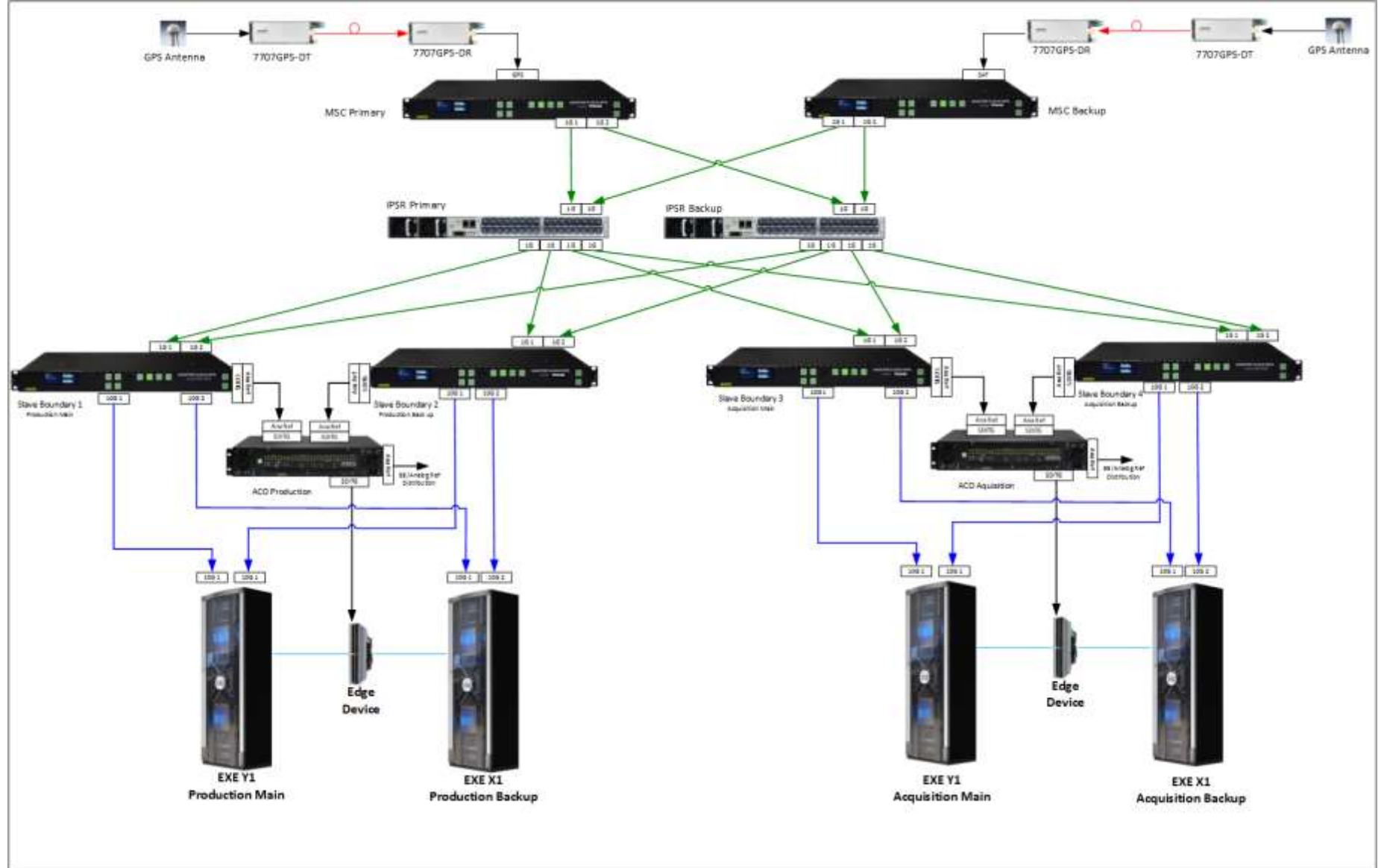
10GbE Network Ports

MAGNUM

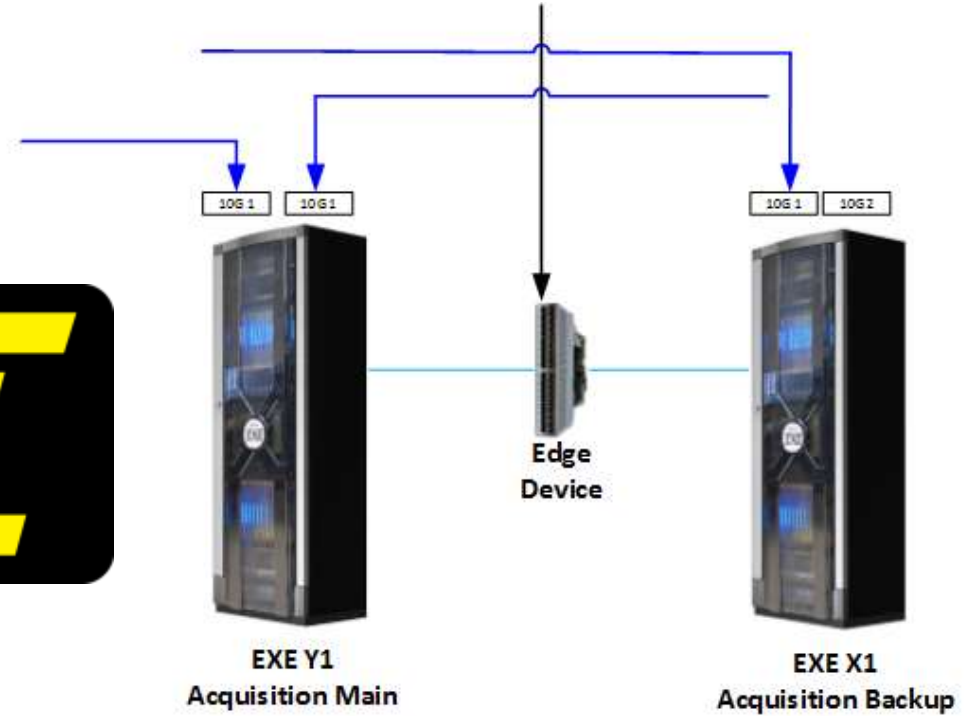
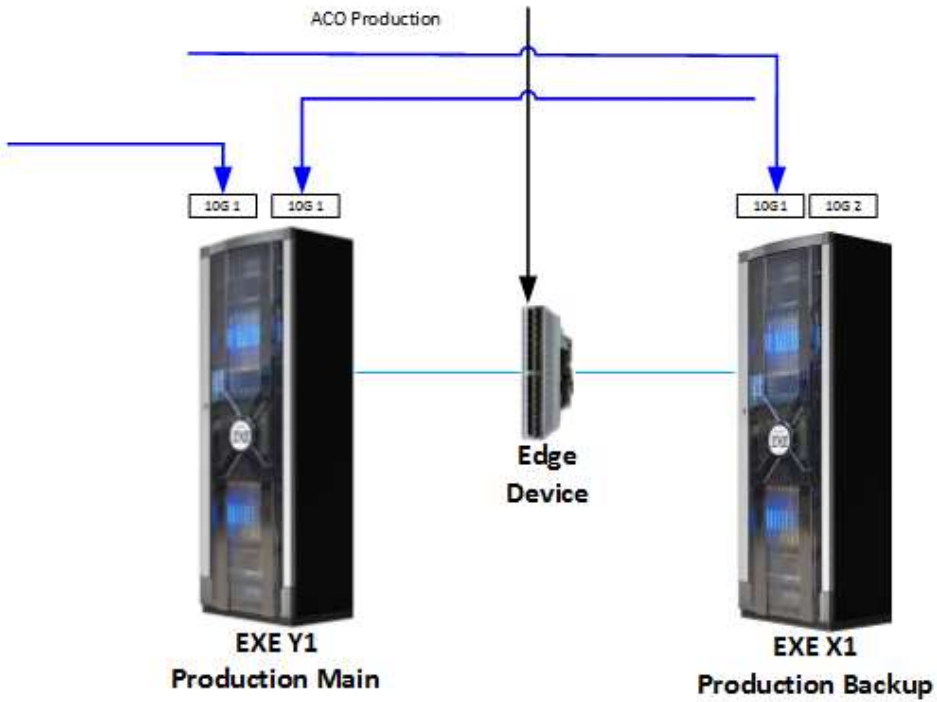
EXE

ST-2110

evertz



2110 Media Fabric

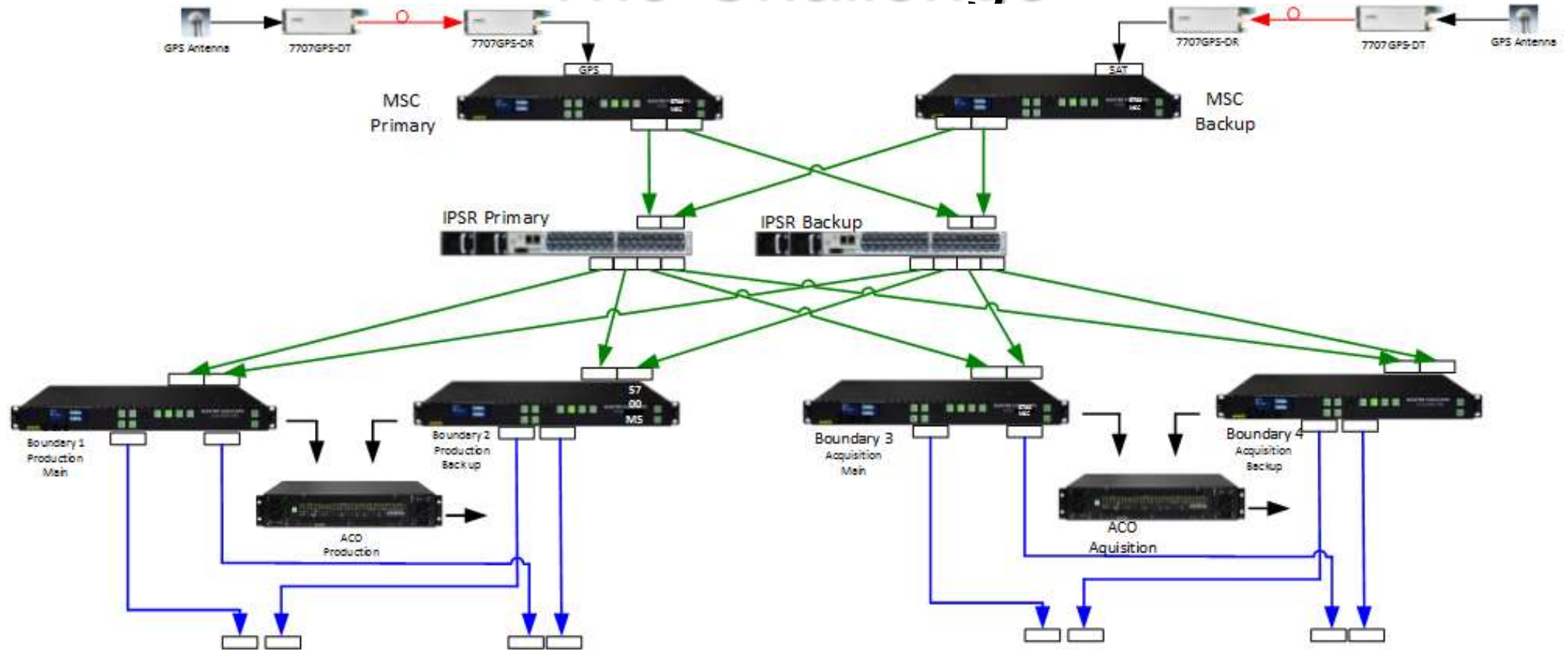


The Challenge

600+

**Devices requiring ST2059
PTP Timing**

The Challenge



The Challenge

Orchestration

150,000

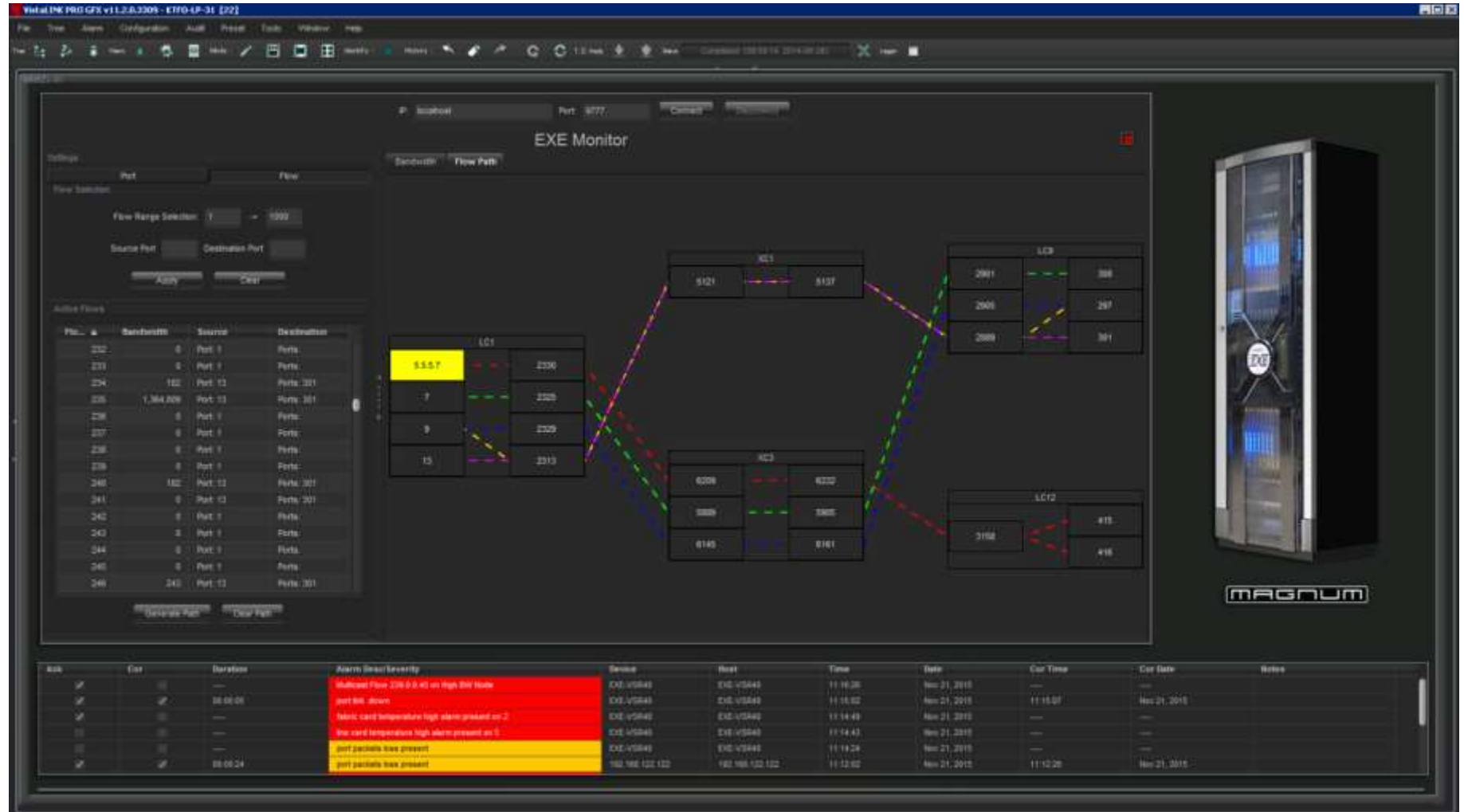
2110 Multicast Flows



The Tools



The Tools



The screenshot displays the EXE Monitor software interface. The main window shows a network diagram with several racks labeled LC1, LC2, LC3, and LC4. Each rack contains multiple ports, and connections are shown between them. A table on the left lists active flows with columns for Pkts, Bandwidth, Source, and Destination. Below the diagram is an alarm log table.

Box	Cor	Duration	Alarm Desc/Severity	Device	Host	Time	Date	Cor Time	Cor Date	Notes
✓	✓	—	Multicast Flow 226.0.0.42 on High Bit Rate	EXE-V5040	EXE-V5040	11:16:26	Nov 21, 2015	—	—	
✓	✓	00:00:06	port link down	EXE-V5040	EXE-V5040	11:16:02	Nov 21, 2015	11:15:01	Nov 21, 2015	
✓	—	—	blenc card temperature high alarm present on 2	EXE-V5040	EXE-V5040	11:14:49	Nov 21, 2015	—	—	
—	—	—	blenc card temperature high alarm present on 1	EXE-V5040	EXE-V5040	11:14:43	Nov 21, 2015	—	—	
—	—	—	port packets loss present	EXE-V5040	EXE-V5040	11:14:24	Nov 21, 2015	—	—	
✓	✓	00:00:24	port packets loss present	102.168.122.122	102.168.122.122	11:12:02	Nov 21, 2015	11:12:26	Nov 21, 2015	



The Success

7 Months

From Pen to On-air



The Lessons

Importance of Interoperability

Importance of Customer
Knowledge

Thank You

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