

Technical Training

A banner image with a dark blue background featuring a network of glowing white lines and nodes. In the center, the text "Beyond the LAN" is written in white. Below the text, there are several overlapping images of a laptop, a tablet, and a smartphone, all displaying a scene of people in white shirts celebrating with their arms raised and colorful powder in the air.

Beyond the LAN

Course Overview

This one day course introduces the Exterity products and technologies required to extend the traditional IPTV system beyond the wired LAN. Most of the course is in the form of hands-on tutorials, setting up solutions to stream content to mobile devices, thin clients, remote offices, and remote locations via a CDN.

By the end of the course, the participant should have the knowledge and skills to:

- **Configure the AvediaStream t5620 Transcoder and AvediaStream o7520 Origin Server**
- **Set up streams to mobile devices, thin clients, remote offices and CDNs**
- **Set up ArtioPortal to provide a user interface to mobile devices and thin clients**

Course Content

Introduction

This presentation introduces the participant to the Exterity products capable of delivering the Beyond The LAN streaming capabilities, and covers the use cases that can be satisfied using these products. The challenges of streaming Beyond The LAN are discussed, and the technical solutions to these challenges are outlined.

Streaming to Mobile Devices

This session sees the participant use the t5620 Transcoder and o7520 Origin Server to make HLS video streams available to mobile devices (Apple and Android). ArtioPortal is configured to provide a user interface for channel selection on the mobile device. Video on Demand capabilities are also set up.

Streaming to a Remote Office

In this session, the participant will convert a multicast stream at one location to transmit to a second location, where the stream is then re-multicast.

Internet streaming via CDN

In this session, the participant will send a video stream to a CDN, for playback on a device anywhere in the world.

Streaming to Thin Clients

This session sees the participant use the t5620 Transcoder and o7520 Origin Server to make Flash video streams available to thin clients. ArtioPortal is configured to provide a user interface for channel selection on the thin client.



Exterity UK Headquarters

t: +44 (0)1383 828250 w: www.exterity.com e: info@exterity.com

© Exterity Ltd 2020. All rights reserved. Exterity, the Exterity logo, ArtioFlow, ArtioGuest, ArtioSign, AvediaPlayer, AvediaServer and AvediaStream are registered trademarks or trademarks of Exterity Ltd. All other trademarks and logos are property of their respective owners. Exterity tries to ensure that all information in this document is correct but does not accept liability for any error or omission. Information and specifications are subject to change without prior notice.



Technical Training

A banner image with a dark blue background. On the left, there's a network diagram with glowing nodes and lines. On the right, there's a group of people in white shirts celebrating with their arms raised, with colorful powder or smoke in the air. In the center, the text "Beyond the LAN" is written in a large, white, sans-serif font. Below the text, there are images of a laptop, a tablet, and a smartphone, all displaying the same celebratory scene.

Beyond the LAN

Agenda

9:30 Beyond The Wired LAN: Introduction

10:00 Technical Challenges and Solutions

10:30 Beyond The Wired LAN: Products

10:45 Break

11:00 Tutorial 1: Streaming to Mobile Devices

13:00 Lunch

14:00 Tutorial 2: Streaming to a Remote Office

15:00 Break

15:15 Tutorial 3: Internet streaming via CDN

15:45 Tutorial 4: Streaming to Thin Clients

16:15 Finish