Beyond the LAN

exterity ®

Taking enterprise IP video 'Beyond the LAN'

Exterity is a market leading provider of IP video technology that helps organizations to harness the power of video to communicate, educate and entertain. Now the trend towards viewing content on-the-go is increasing due to demand from viewers to consume the content they want, when they want it, on the mobile device of their choice.

"Exterity's 'Beyond the LAN' capabilities enable the seamless delivery of video content across all screens over a wide range of networks."

Colin Farquhar, CEO, Exterity

Our end-to-end solutions enable you to capture TV and video content directly from any source and manage its delivery, live or on demand, to any connected device via your existing network.

Customers are now looking to view video content on more devices and in more locations…

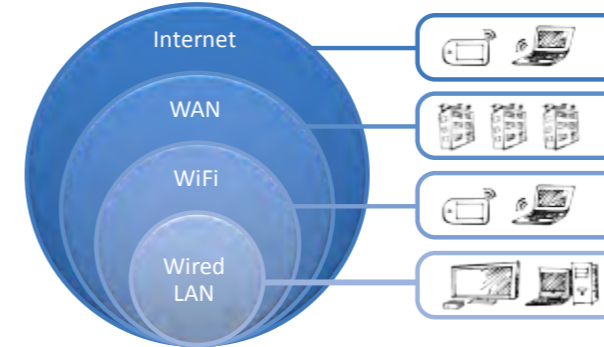**Wirelessly via hand held devices – smartphones, tablets**

On thin clients

In remote locations via their wide area network or the internet
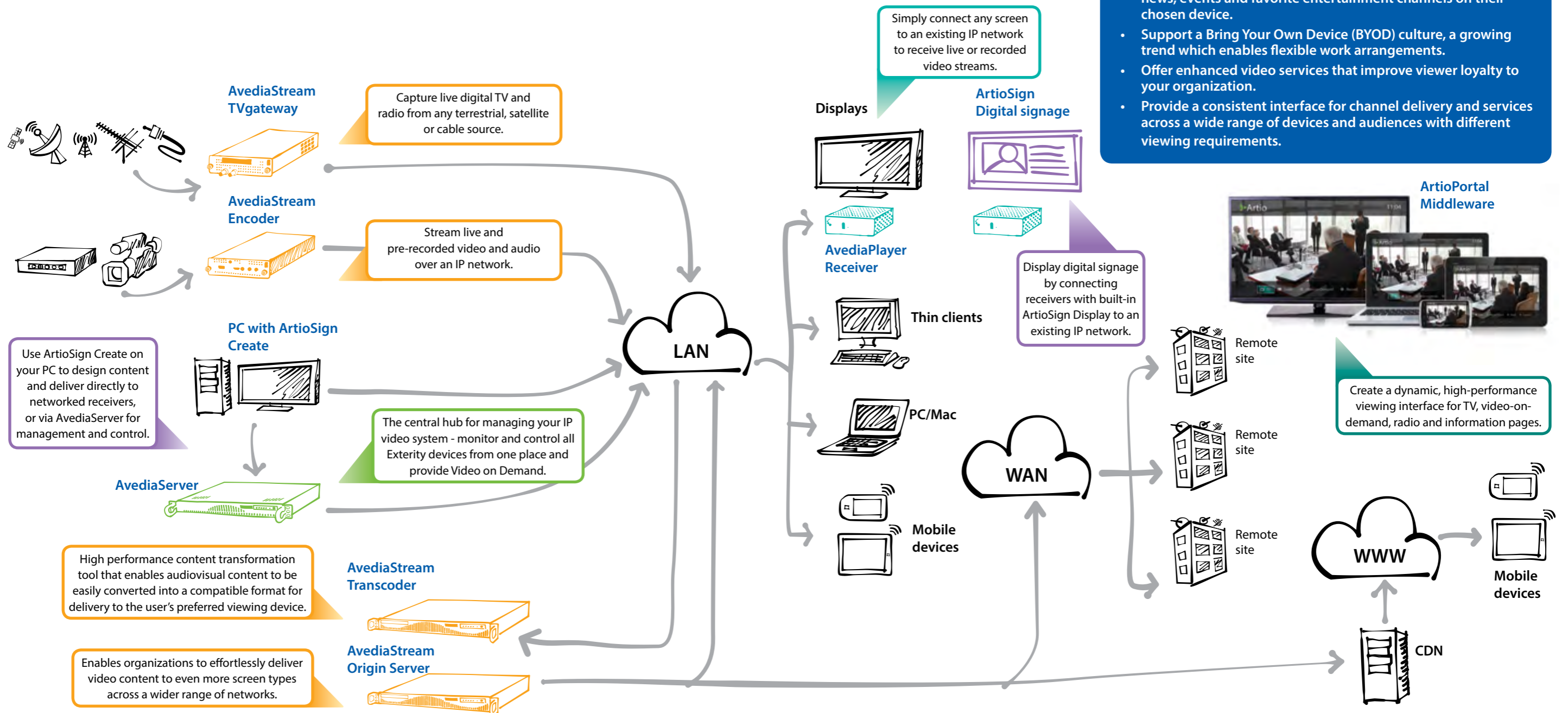
Mobile IP Video Solutions

A natural enhancement to an IPTV installation, Exterity's Beyond the LAN capabilities enable you to deliver high quality video content optimized for a range of devices.

Internet

WAN

WiFi

Wired LAN

Exterity solutions transcode from high bitrate content on an organization's network to bitrates and resolutions that are appropriate for mobile devices and distribution. Our Origin Server delivers video content to mobiles using streaming protocols suitable for the wireless and mobile networks over which they are transmitted. We also provide a single middleware platform, ArtioPortal, that presents the available services consistently across devices.

Use an Exterity Beyond the LAN solution to:
- Enable mobile consumers to keep up to date with the latest news, events and favorite entertainment channels on their chosen device.
- Support a Bring Your Own Device (BYOD) culture, a growing trend which enables flexible work arrangements.
- Offer enhanced video services that improve viewer loyalty to your organization.
- Provide a consistent interface for channel delivery and services across a wide range of devices and audiences with different viewing requirements.

AvediaStream TVgateway

Capture live digital TV and radio from any terrestrial, satellite or cable source.

AvediaStream Encoder

Stream live and pre-recorded video and audio over an IP network.

PC with ArtioSign Create

Use ArtioSign Create on your PC to design content and deliver directly to networked receivers, or via AvediaServer for management and control.

AvediaServer

The central hub for managing your IP video system - monitor and control all Exterity devices from one place and provide Video on Demand.

High performance content transformation tool that enables audiovisual content to be easily converted into a compatible format for delivery to the user's preferred viewing device.

AvediaStream Transcoder

AvediaStream Origin Server

Enables organizations to effortlessly deliver video content to even more screen types across a wider range of networks.

LAN

Simply connect any screen to an existing IP network to receive live or recorded video streams.

Displays

ArtioSign Digital signage

AvediaPlayer Receiver

Thin clients

Display digital signage by connecting receivers with built-in ArtioSign Display to an existing IP network.

PC/Mac

Mobile devices

WAN

Remote site

Remote site

Remote site

ArtioPortal Middleware

Create a dynamic, high-performance viewing interface for TV, video-on-demand, radio and information pages.

WWW

CDN

Mobile devices

Beyond the LAN Applications

A **Corporate organization** holds events at their HQ and wants to stream coverage around their HQ and also out to regional offices.

Camera feed into an AvediaStream Encoder and multicast around HQ

Encoders

AvediaServer

AvediaStream Transcoder converts stream to unicast and sends over WAN to regional offices

LAN

Displays

AvediaPlayer Receivers

PC/Mac

WAN

Transcoder t3605 Origin Server

Transcoder t3605

Transcoder t3605

Transcoder t3605

Remote Site 1

Remote Site 2

Remote Site 3

Additional AvediaStream Transcoders convert streams back to multicast and easily distribute around the regional offices

A **Healthcare organization** wants to give patients the ability to view channels on TVs as well as mobile devices.

Channels

TVgateways

AvediaStream TVgateway streams channels

AvediaServer

AvediaServer with ArtioPortal Middleware

LAN

AvediaPlayer Receivers

Displays

Main viewing is via AvediaPlayer Receivers and displays

Transcoder Origin Server

WIFI

AvediaStream Transcoder converts stream to HLS and AvediaStream Origin Server sends out via wireless network

A **Media organization** wants to stream many TV channels around their HQ to be viewed on thin clients.

Channels

TVgateways

AvediaStream TVgateways stream satellite and terrestrial channels onto the network

LAN

AvediaPlayer Receivers

Displays

Viewing is via AvediaPlayer Receivers and displays, but there is also a requirement for staff to view channels at their work station via thin clients

Transcoder

AvediaStream Transcoder converts streams to required resolution, bitrate and AAC Audio

Thin Clients

The stream is delivered onto the network to be viewed on thin clients

A **University** wants to stream graduation ceremonies around campus as well as via the internet to relatives and friends around the world.

AvediaStream Encoder converts camera feed to stream

Encoders

LAN

AvediaPlayer Receivers

Displays

PC /Mac

Staff and students can view display screens and PCs around campus

AvediaStream Transcoder converts streams to HLS

Transcoder t3605 Origin Server

CDN

WWW

Mobile Devices

The CDN converts stream to web file format over WWW to friends and family who can view on mobile devices or PCs

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