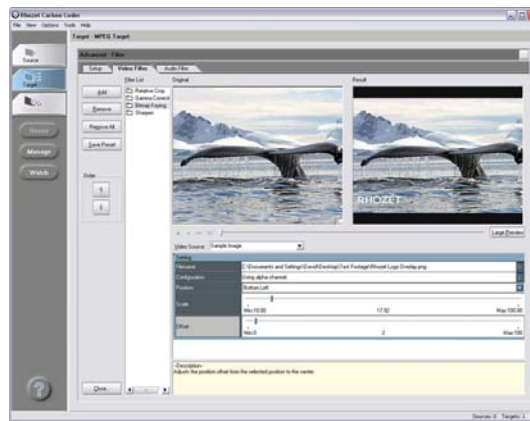


# Rhozet Transcoding with Omneon Active Storage



## Conquering the Format Chaos

The boom in video consumption has resulted in an explosion in the number of formats that broadcasters and video distributors manage. Video may be captured in one format, edited in another, served live in a third, delivered on-demand via the Web and mobile in half a dozen more, and then finally archived in yet another. With support for all major broadcast media containers and codecs as well as popular Web and mobile formats, Rhozet provides cost-effective, scalable transcoding across a wide range of applications from budget broadcasters to the largest international networks. Rhozet Carbon Coder in combination with Omneon MediaDeck™, MediaGrid™ and Spectrum™ active storage systems gives customers the flexibility to edit, manage, store, and deliver video in exactly the formats broadcasters require. Carbon Coder supports all major media wrappers such as MXF, QuickTime, 3GPP, H.264, etc.



## Extraordinary Compatibility and Performance

Rhozet Carbon Coder leverages Omneon active storage support for industry-standard media wrappers and compression formats, supports a wide range of edit codecs, and provides a migration path for customers needing to move content from legacy servers into Omneon-friendly open formats. Carbon Coder can operate as a stand-alone transcoding application or as a node in a distributed transcoding farm. Rhozet's Carbon Server software manages farms that can scale from a single transcoder to hundreds of nodes. All operations can be managed by an easy-to-use graphical user interface or via the Rhozet SDK for fully automated control. The same SDK is supported by both Carbon Coder and Carbon Server, allowing control over a single transcoder or a network of them.

## Unconventional Simplicity

Rhozet's products can be operated via a graphical user interface or via automated watch folders. For example, a watch folder can be defined on an Omneon Spectrum or MediaGrid active storage system. Any content sent to that watch folder can be automatically transcoded to multiple formats for broadcast playout as well as Web or mobile delivery. A watch folder can be assigned a wide array of attributes. Placing a file into a watch folder can trigger transcoding to multiple target codecs, including such processes as cropping, color correction, logo insertion, etc.

Files transcoded for playout can be written directly to Omneon Spectrum and Omneon MediaDeck servers, saving both time and bandwidth-consuming file copies. Carbon Server allows for automated processing of high-volume transcoding tasks, as well as managing job distribution, job prioritization, load balancing, FTP transfer, status monitoring, and job notification.



## › SOLUTION OVERVIEW

### Solution Components

- Directly connect to Spectrum and MediaGrid
- Supports all major media wrappers and codecs
- Migrate from legacy server formats
- Transcode from edit formats for playout
- Enable new media distribution for Web and mobile
- Easily scale to any size of transcoding farm

### Reference Sites

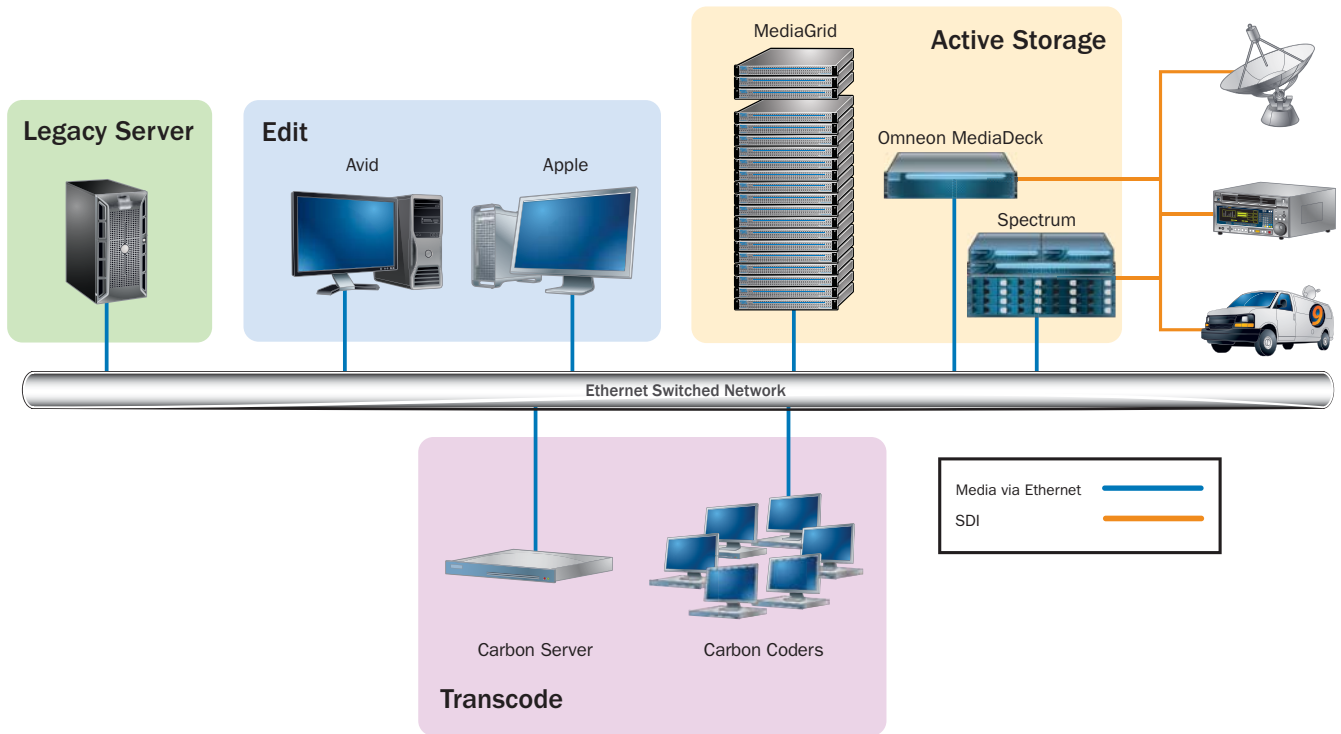
- Ascent Media – Los Angeles, CA
- BT (British Telecom) – London, UK
- Christian Broadcasting Network – Virginia Beach, VA
- KREN – Reno, NV
- KRON– San Francisco, CA
- ShopNBC – Eden Prairie, MN
- The Weather Channel – Atlanta, GA
- WPXP – Palm Beach, FL
- WTVS – Detroit, MI

› Find More Online

<http://www.omneon.com/solutions>



## Rhozet Transcoding with Omneon Active Storage



Files can be converted from legacy video servers to and from edit formats and to broadcast, Web, and mobile delivery formats all while residing in active storage.

Supported Wrappers	Supported Codecs	Solution Components
<ul style="list-style-type: none"> <li>• AVI, QuickTime</li> <li>• MXF</li> <li>• GXF, LXF</li> <li>• MPEG-2 Program Stream, Transport Stream, VOB</li> <li>• MP4, RealVideo</li> <li>• 3GPP, FLV</li> <li>• WMV/ASF</li> </ul>	<ul style="list-style-type: none"> <li>• MPEG-1, MPEG-2, MPEG-4</li> <li>• HDV, IMX</li> <li>• H.261, H.263, H.264, VC-1</li> <li>• DV25/50, DVCPRO 25/50/HD</li> <li>• Panasonic P2</li> <li>• Sony XDCAM</li> <li>• Windows Media Video, Real Video</li> <li>• JPEG 2000, DPX, Motion JPEG</li> </ul> <p><b>Third Party Codecs:</b></p> <ul style="list-style-type: none"> <li>• Avid DNxHD</li> <li>• BlackMagic</li> <li>• Matrox Axio</li> <li>• DPS</li> <li>• DivX</li> <li>• Sorenson Spark</li> <li>• VP6</li> </ul>	<p>Any configuration of Omneon MediaDeck, Spectrum or MediaGrid</p> <p>(CSERVER) Carbon Server management client</p> <p>(CCODE) Carbon Coder transcoding nodes</p>



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