

Dilithium Unveils Content Adapter for Real-time Mobile Video

Dilithium, which specializes in high-quality transcoding and multimedia delivery over mobile and broadband networks, introduced a high capacity and scalable solution that automates the real-time adaptation and delivery of video content over multiple networks to any device. Dilithium's patented technologies perform real-time, on demand media conversion for multiple devices with minimal latency, avoiding the need for off-line transcoding. The new Dilithium Content Adapter (DCA), which builds on the company's existing 3G mobile video solutions, is designed for the delivery of interactive, 2-way multimedia content to wireless and broadband devices.

Media delivery has typically required customized coding for each device and network type such as 2.5G, 3G, WiFi or WiMAX, which restricted real-time downloads and is resource intensive as it requires extensive human interaction and expensive capital investment in servers and storage. Dilithium's technologies enable on-demand transcoding, transrating and transsizing of multimedia content. This on-demand processing makes it easier for operators to manage content and allows for additional revenue streams such as targeted ad insertion.

Key features of the DCA include:

- Real-time Media Transcoding: Conversion and delivery of streamed media (on-demand) as it is downloaded or streamed from the content source.
- Flexibility: Easily integrated with external platforms such as subscriber databases, billing systems and content management systems. Scripted applications allow control over the content to be played, target bitrates, frame sizes, codecs and file formats from a wide range of sources.
- Easy Integration: DCA uses the industry standard PHP as a common scripting language leveraging the wide range of standard interfaces to other systems. DCA supports a wide range of service and billing models, including dynamically generated content, subscription services and pay-per-view.
- Scalability: DCA can be scaled from small scale trial installations of tens of sessions through to distributed systems suitable for very large scale services through the use of service node clusters.
- Efficiency: Innovative caching facility means that content need only be transcoded once for a specific device or network and can be served to a large number of clients with minimal additional overhead.
- Reliability: A comprehensive management application allows all elements of the system to be monitored and configured and a wide range of performance statistics recovered.

Dilithium has over 100 deployments worldwide, including with customers such as Telecom Italia Mobile, Orange, Vodafone, T-Mobile, China Netcom and others.

