

TRIPLEPLAY

TRIPLEVOD



DIGITAL VIDEO
ON DEMAND

THE VIDEO ON DEMAND HEAD END SOLUTION

CHALLENGE

With the adoption of broadband networks the use of "On demand" streaming of content to end users has grown exponentially. Traditional video on demand 'VOD' systems have been designed to meet the requirements of thousands of communities and end users. This approach has resulted in providing platforms that are inordinately expensive and complex to use for more targeted user environments such as hospitality, education and corporate markets where

customers are looking for a multipurpose platform rather than a single business function.

Within a VOD system, simplifying the administration and management of video content and its associated information when working with a diverse number of environments is one of the major obstacles to address when using an enterprise orientated VOD platform.



SOLUTION DESCRIPTION

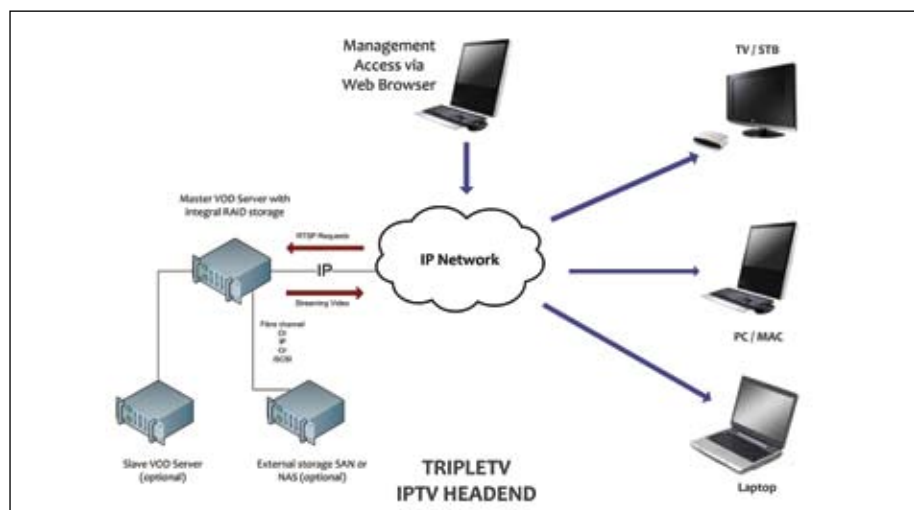
When streaming content "On demand" from a single platform it should be flexible enough to manage a small number of users initially growing to several hundred end users, without the need to integrate different software and hardware. Customers need to feel comfortable that they are purchasing a platform that can be expanded to meet the needs of their current and future business safe in the knowledge that they are able to offer additional services as required. Tripleplay's TripleVOD offers this unique solution. It provides a standard based Real Time Streaming Protocol 'RTSP' which manages end user video sessions and requests

and ensures that the necessary quality of service levels and video streaming demands on the system are met. A simple to use web based management system ensures administrators have a real time representation of the activities occurring on the platform. Through the use of Simple Network Management Protocol 'SNMP' support alarms may be raised to ensure awareness of any potential issues with the platform before they occur. Options to track which videos are being viewed on the system and encrypted content are standard features within the platform.

Standard based hardware from HP and IBM ensures reliability, longevity and on-going maintenance and support of the platform no matter where the system is deployed in the world.

TripleVOD provides support for on demand streaming of MPEG-2 and MPEG-4 standard and high definition content. An integrated content management system simplifies the management of information associated within the video content.

A component based design allows customers to increase capacity in a controlled manner to meet the demands of their end users. Unlike other systems, Tripleplay's unique software architecture allows multiple services to operate on the same TripleVOD platform thereby turning the unit into an Application Server which can also support IP television and digital signage if required.



'The system had to provide a cost effective HD solution which would be easy to install and manage on an ongoing basis..'

Quentin Bossom,
DSG International Plc

BENEFITS

EXTENSIBILITY

- Software based design allows system features to be added without the need to change hardware
- Clustering, load balancing and system licence management allowing capacity to be seamlessly added
- Storage capacity can easily be increased through various standard based disk capacity options

INTEGRATED

- Ability to run additional services and applications on same head end unit e.g. IP television and digital signage
- Minimal integration issues through standard software architecture

SUPPORT AND MANAGEMENT

- SNMP support for integration into centralised network management system
- A web interface ensures ease of use for system configuration and maintenance

STANDARD HARDWARE

- Guaranteed local engineering support for hardware related issues
- On-going hardware support assured

INTEROPERABILITY

- Uses a standard RTSP control interface for providing compatibility to all set top boxes
- Streams standards based MPEG-2 and MPEG-4 content
- Hollywood studio approved content encryption option
- Can be integrated into existing storage solutions such as storage access networks 'SAN' and network attached storage 'NAS' devices

TRIPLEVOD FEATURE SET

HARDWARE

- 500GB to 2TB single unit VOD head end units available
- Multiple application system with 3 slot and 5 slot support
- RAID 1 hard disk redundancy as standard for OS
- RAID 5 hard disk redundancy for content
- 3 year hardware warranty as standard
- Output support for MPEG-2 and MPEG-4 programme and transport streams
- Standard and High Definition formats
- Conforms to ISO/IEC 13818 and ISO/IEC 4496 standards
- Capacity to support up to 80 concurrent video streams on demand from single VOD unit

SOFTWARE CAPABILITIES

- Internalisation and localisation support
- RTSP control interface
- Trickplay support
- Web based interface
- SNMP Management
- MIB definition
- Remote system diagnostic, performance and monitoring
- Compatible with all main IP Set Top Boxes manufacturers
- Supports Cyphalock encryption

EVOLUTION OF THE SOLUTION

Digital content is constantly evolving and support for new streaming codecs such as Windows media, Flash and Real is under development for the TripleVOD platform. To meet the ever increasing demand for streaming content Tripleplay is constantly increasing the streaming and storage capacity of the TripleVOD head unit.

EVERYTHING YOU NEED FROM AN IPTV SOLUTION						
ENHANCE						
MANAGE						