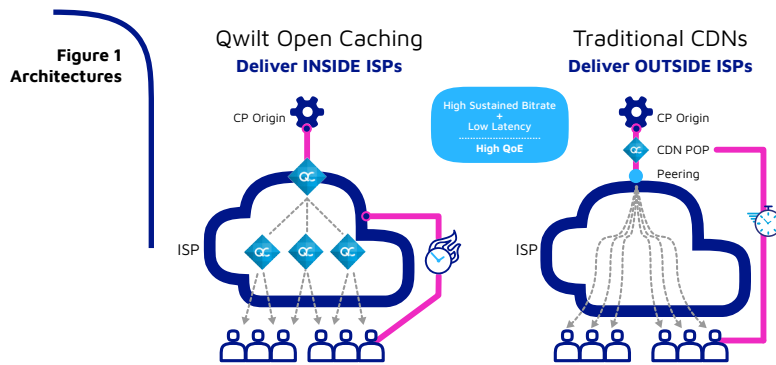Datasheet
Qwilt Media Delivery
Qwilt supported by Cirion's infrastructure gets you closer than ever to your viewers

Qwilt's Media Delivery Service gets you closer to your viewers, providing improved experiences connected to each neighborhood with the quality you originally imagined.

Two supplementary architectures

**Figure 1
Architectures**

Qwilt Open Caching
Deliver INSIDE ISPs

Traditional CDNs
Deliver OUTSIDE ISPs

CP Origin

High Sustained Bitrate + Low Latency
High QoE

CP Origin
CDN POP
Peering

ISP

ISP

Built differently from the ground up, Qwilt's Open Caching-based CDN delivers a new architecture and business model, built to meet the increasing demand for capacity to support high performance streaming for massive audiences. Unlike commercial CDNs, Qwilt's Open Caching service footprint is executed in deeply integrated edge caches with network service providers, close to the users.

Open Caching based

Open architecture: Developed by Streaming Video Technology Alliance with broad industry support.

Turnkey alliance: A platform that federates content delivery infrastructure, for large-scale implementation into service provider networks, with no additional effort for content publishers.

Closer and easier: A global CDN with open APIs for content publishers, which enables proximity delivery at the edge of neighborhoods everywhere.

The best interpreter: Qwilt is the highest performing CDN on 100% of the networks where it was deployed.

For Streaming Media

Qwilt's Media Delivery Service provides secure live and on-demand HTTP-based streaming, including support for the following video and music formats:

• HTTP Live Streaming (HLS)
• HTTP Dynamic Streaming (HDS)
• Microsoft Smooth Streaming (MSS).
• Dynamic Adaptive Streaming over HTTP (MPEG-DASH).
• Common Media Application Format (CMAF)

What Content Providers Clients say about Qwilt

"We pursue an improved control of our content. I like the idea of moving our traffic to BT and letting BT manage that traffic for BT consumers.

Michael Fay
VP Media Distribution
Disney

Disney+

Benefits

Faster delivery ...because we are closer

This means

- Lower latency and reduced rebuffering, faster response times and transactions.
- Fastest TTFB, Web Vitals optimization.
- Higher Average Bitrates (ABR).
- Upper quality digital experiences for end-users.

And your business will

- Increase customer participation.
- Increase customer satisfaction.
- Reduce attrition.

Figure 2
All Edge Network

Higher control... because we use API SVTA

This means

- Open APIs, standardized by SVTA.
- Broad API Configuration capacity.
- Content control and feature activation, configuration changes through API calls.

And your business will

- Improve features/products/services agility and responsiveness.
- Reduce time to market for new experiences

Better business model... since we work with service providers directly

This means

- More delivery capacity when and where needed.
- More flexibility in use.
- More collaborative support from service providers.

And your business will

- Be more agile to tackle the single and growing needs for media delivery capacity.
- Gain the ability for massive live events support.
- Achieve support for advanced use cases.
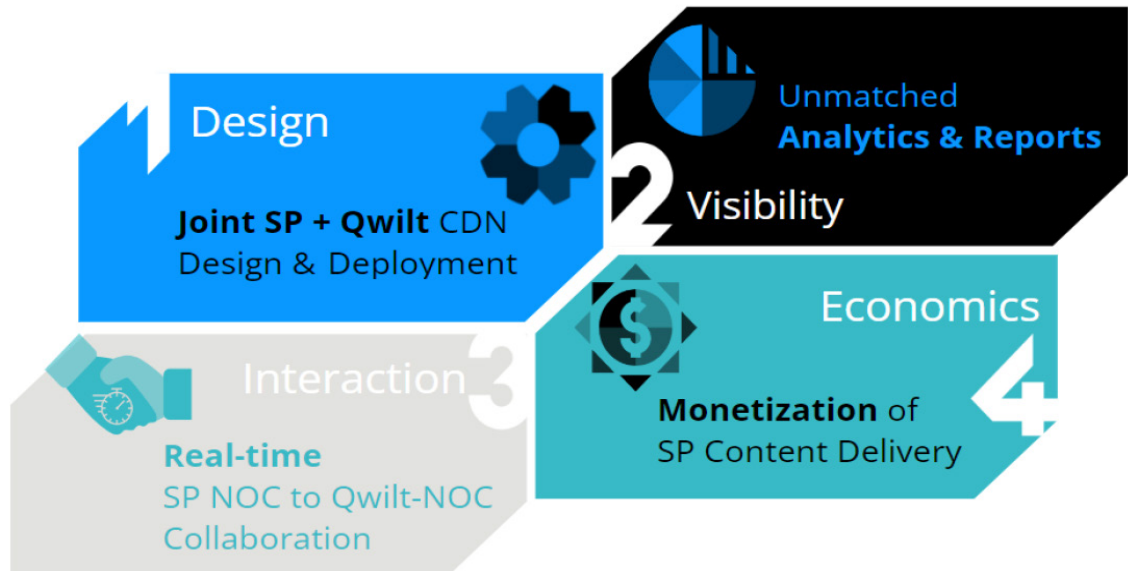
Feature summary

	Cache Management	CDN Edge	CDN Security/Routing
Performance and operational control	**Easily configurable rules enabling publishers to maximize their use of the OCN:** • Cache Key Management • Cross Origin Resource Sharing • Header Manipulation • Origin Failover • Error Handling	**Execute complex business logic at the edge:** • Execute based on headers, cookies • Modify on Client Request to Edge, Edge Request to Origin, Origin Response to Edge, or Edge Response to Client • Complex actions upon execution: IP and Geo access control, Localization, Origin selection, A/B testing Authentications	**Flexible security enabling uniform security configuration across services:** • HTTP Methods • Force HTTPS HTTP Ver • Bring Your Own Certificate • TLS Configuration • Cipher Management **Routing Method** • DNS/HTTP

	Cache Management	Content Management	Analytics
Administrative control	• Provisioning • Certificate Management • Configuration Changes	• Purge URL • Purge by Tag • Purge Whole Media Site	• Performance Reporting • Usage • Billing • Errors • Raw Logs

Figure 3
Nodes in Latin America

Reimagining **Content Delivery Services** For Latin America

cirion | QWILT

Partnership

113 Combined Edge Nodes

600+ Million Latin America Consumers

The power of our partnership and collaboration

Qwilt Media Delivery service admits integration with the main load balancing commercial platforms and QoE measurement. We have operational deployments with streaming platforms that include integration with your commercial or private measurement platforms.

The scope of our support includes

- Integration with reporting dashboards from leading delegation measurement providers.
- Report sources that can be provided for integration with content provider portals.
- Qwilt self-service dashboard with real-time delivery analytics.

Related Products and Additional Resources

- Open Edge Cloud.
- Media Delivery.
- Site Delivery.