

Level 3 CDN Services:

Caching and Download

Ensure your customers receive a consistently high-quality experience of your web content with Level 3's Caching and Download Content Delivery services.

Caching and Download allows you to distribute your web content from Level 3's global network of servers, and capitalise on all the benefits of the Level 3 network and proven CDN technology.

The growth in popularity of digital media has created a new set of challenges for today's Web business. With the continued adoption of broadband Internet, file sizes have grown exponentially along with the volume of content available from popular websites. Customers expect a continually richer web experience (video, music, software) driving rapid and at times erratic growth in site traffic.

Rather than try and meet this unpredictable demand and maintain high service levels by building out your own hosting and serving infrastructure, leverage the vast scale and reliability of Level 3's Content Delivery Network (CDN).

- Increase the performance of your web content distribution
- Reduce the need to invest in a capital intensive and depreciating web hosting infrastructure beyond your origin server

How it works

Frequently requested content (images, flash files, video, music, software etc.) is copied and hosted across Level 3's CDN server – or “cache node” - infrastructure in accordance with regional demand for that content.

DNS and Patented Footprint® content routing technology intelligently establishes the location of your end customer, and selects the optimal cache node to serve that customer based on the network conditions existing between the Level 3 network and the customer.

Caching and Download gives your web operation a demand-based presence on the edge of the Internet at major private and public peering locations around the world.

Thousands of carrier-class edge servers, tier one carrier-grade bandwidths, direct connectivity with your customers' ISPs, vast network scalability, international coverage, and multiple carrier; inter-connectivity ensures that nothing comes between your content and your customers.

The end-result is that your content is delivered more rapidly, more reliably and more cost effectively than by traditional forms of hosting and Internet access alone.

Key Service Features

- **Capacity on Demand:** The Level 3 CDN proactively monitors resources to meet usage demands that customers place on your web operations. Flexible capacity enables cost efficiency in operation while reducing the cost of managing your website and improving performance.
- **Global Coverage:** Server clusters in strategic locations in North America, Europe and Asia ensure top performance to destinations across the globe. Level 3 is one of the world's most connected ISPs with fewer than 1.77 hops to any destination. This means that you can count on your content being served close to your end user.
- **Scalability:** The Level 3 CDN has the capacity to handle content delivery even during peak loads and flash events that require extra bandwidth to accommodate growing libraries of content and audiences of any size.
- **Online Management Capability:** A web-based management portal allows for historical usage reporting and real-time usage monitoring. Usage logs are available via automated download tool and real-time invalidation of content can be controlled through portal or scriptable interface.
- **Flexibility:** Support for multiple distribution options and file types including software downloads, large file delivery, bit-range requests, download receipts and secure delivery options.
- **Security:** HTTPS support for shared and custom SSL certificates.
- **Dual Provider Capabilities:** Balance traffic and multi-home with other CDN providers easily and reliably with Level 3's Intelligent Traffic Manager (ITM) Service.

What's included

- Set-up and configuration of Caching and Download service
- Online web-based management portal
- Historical usage reporting and real-time usage monitoring
- Guaranteed performance with third-party Service Level Agreement (SLA) monitoring
- 24/7 NOC Support, online ticket management

Caching & Download Features Checklist		
Content Management	Authentication support	✓
	Cookie support	✓
	Query string handling	✓
	Header override support	✓
	Active or passive content freshness control	✓
	Background refresh support	✓
	Servers as primary or secondary caching service in a dual-mode strategy seamlessly using Level 3 ITM service	✓
	SOAP API available for integration and customer applications	✓
Admin Tools	Historical usage reporting and real-time usage monitoring	✓
	Online web-based management portal	✓
	Full usage logs with auto download tool	✓
	Reseller model support	✓
	Guaranteed performance w/3 rd party SLA Monitoring	✓
	Real-time invalidation of content through portal or scriptable interface	✓
	24/7 NOC support, online ticket management	✓

Contact Vimeric today to talk about meeting and exceeding your expectations of what the Internet can offer: Achieve Internet Outperformance.

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