

# Intel, Varnish Software and VMware:

a joint vCDN solution

## A scalable, powerful and cost-effective vCDN technology stack for media streaming

Delivering more content at higher quality and better user experience while reducing costs is a challenge for service providers. Instead of building capacity for peak demand, a more cost-effective, agile approach is to use cloud-native and virtualization technologies to optimize infrastructure and assign resources as needed.

Intel, Varnish Software and VMWare have partnered to develop a virtualized CDN solution specification and reference architecture: VMware Telco Cloud. Our joint solution offers cost-effective scalability at the edge, for optimized resource provisioning, better service delivery and performance, and unbeatable Quality of Experience for viewers.

It is validated at delivering over 190 Gbps high-quality video from a virtualized edge node, making it possible to unlock the benefits of virtualization - CAPEX-friendly scalability and optimization - without performance loss when compared to bare metal.

### The vCDN solution combines:

2nd Gen Intel Xeon Scalable processors

Varnish Edge Cloud

VMware vSphere and NSX

Together, Intel, Varnish and VMware are solving the four challenges of 5G-ready content delivery that telecoms and network operators face today:

### Distribution

Put the edge where you need it and meet low-latency and high bandwidth needs through a scalable and distributed edge architecture with high cache-hit ratios.

### Performance

Optimized for high throughput, low latency, smooth media delivery. Deliver video from the edge, with >190Gbps from a single node and high speed TLS termination.

### Scale

Virtualized edge caching resources scale on demand to optimize resource utilization for high Quality of Experience at massive scale, with minimized backhaul.

### Cost

Manage costs by decreasing OPEX with virtualized infrastructure and decreasing CAPEX on hardware that sits idle. Plus, more agility for making changes to service delivery.

### About Varnish Software

Varnish Software's powerful caching technology, Varnish Enterprise, is available for on-premise, cloud, hybrid and virtualized infrastructure, and is packaged into four solutions: Streaming Server, DIY CDN, Web and API Acceleration and our 5G-ready vCDN solution Varnish Edge Cloud. Founded in 2010, Varnish Software has offices in Oslo, Stockholm, London, New York, Los Angeles, Paris, Tokyo and Singapore.

intel®

vmware®

New York	+1 646 586 2052
Los Angeles	+1 310 648 8474
London	+44 20 7060 9955
Stockholm	+46 8 410 909 30
Singapore	+65 8434 8028

[www.varnish-software.com](http://www.varnish-software.com)