

Fact Sheet

Varnish Enhanced Cache Invalidation

// Record relationships between web pages so Varnish Cache content can be **updated instantly**.

What is Varnish Enhanced Cache Invalidation?

Varnish Enhanced Cache Invalidation is a module enabling Varnish Cache to invalidate your web content in real-time based on arbitrary relationships set by your business. Web pages typically consist of content from multiple sources, so it can be challenging to ensure all web pages linking to specific sources are invalidated when the source updates. Together with Varnish Administration Console and its Super Fast Purger, Varnish Enhanced Cache Invalidation provides an easy-to-use, central cache invalidation API making it easy to keep your website updated on the fly.

What are the features?

Advanced hashing

Varnish Enhanced Cache Invalidation introduces extreme flexibility to purging your instances of Varnish Cache. By assigning information to HTTP response headers (tags) in the origin server Varnish Cache will map relationships between your online content making it readily accessible when purging is required. When content is updated all objects with your relevant set tags will be purged from the cache. With Varnish Enhanced Cache Invalidation...

- tags can be set to whatever value deemed relevant by your Content Management System or origin application—or even VCL
- any object can have any number of tags
- any tag can belong to any number of objects.

What are the benefits?

Varnish Enhanced Cache Invalidation will help resolve the challenges of updating your website by making sure all affected content is purged from the cache and ready for your customers. The ability to do this ensures your content is correct and up-to-date at all times without ever impacting your website's performance.

The value of Varnish Enhanced Cache Invalidation for e-commerce

Keeping product information up-to-date is a real challenge for most e-commerce sites. Since products are often suggested or linked to on various pages, tracking relationships between your products and where they appear is vital for a smooth customer experience. Varnish Enhanced Cache Invalidation will keep track of product relationships by listing the pages where a product appears within your Content

Management System. When given a product, Varnish Enhanced Cache Invalidation will purge every page that mentions it. This happens without impacting Varnish Cache performance, ensuring that your website always operates at an optimal speed. Varnish Enhanced Cache Invalidation ensures your entire online business is updated in real-time, helping to provide the best customer experience possible.

The value of Varnish Enhanced Cache Invalidation for digital media

Online news and other digital media websites are typically comprised of several different sources. The best customer experience demands up-to-the-second content so users remain engaged and sessions are extended. However, as stories develop it can be difficult ensuring cached content remains relevant and all links are updated. By simply adding a list of

article IDs to each web page Varnish Enhanced Cache Invalidation can track these relationships and invalidate and update the right content in real-time. Varnish Enhanced Cache Invalidation will help to ensure your news or digital media website offers the most up-to-date customer experience possible.

Who is it for?

Varnish Enhanced Cache Invalidation is built with the challenges of media and e-commerce websites in mind and to take advantage of the management ease offered with Varnish Administration Console. Keep your users as engaged and up-to-date as your business is.

Varnish Enhanced Cache Invalidation is provided as part of Varnish Plus and is not available as a standalone application. Please contact us to get a quote for a Varnish Plus subscription that best fits your business needs.

About Varnish Software

Varnish Software is the company behind Varnish Cache, a widely trusted open source web accelerator, significantly enhancing web performance for businesses online. Varnish Cache is a reverse HTTP proxy that will speed up a website by storing a copy of the page served by the web server in its cache the first time a user visits that page. The next time the user requests the same page, Varnish will serve the copy instead of requesting the page from the web server. This means that your web server needs to handle less traffic and your website's performance and scalability go through the roof. In fact, Varnish Cache is often the single most critical piece of software in a web based business. Varnish Cache powers influential content providers such as BBC, Morningstar, The New York Times and Vimeo as well as more than 1.7 million websites worldwide.

Varnish Plus is the commercial subscription offered by Varnish Software, offering tools for scalability, customization, monitoring and expert support services.