VCL and parameter Changes in Varnish Cache 3.0

http://xcir.net/

VCL syntax

ESI Enabled

Varnish2.1.5

```
sub vcl_fetch {
    if (req.url == "/test.html") {
      esi;
      set obj.ttl = 24 h;
    } elseif (req.url == "/cgi-bin/date.cgi") {
      set obj.ttl = 1m;
    }
}
```

->

Varnish3.0

```
sub vcl_fetch {
    if (req.url == "/test.html") {
      set beresp.do_esi = true;
      set obj.ttl = 24 h;
    } elseif (req.url == "/cgi-bin/date.cgi") {
      set obj.ttl = 1m;
    }
}
```

obj.cacheable and beresp.cacheable

Varnish2.1.5		Varnish3.0
obj.cacheable beresp.cacheable	->	obj.ttl > 0s beresp.ttl > 0s

return(pass) change to return(hit_for_pass) in vcl_fetch

Varnish2.1.5

```
return(pass)
```

->

Varnish3.0

```
//change vcl_fetch only
return(hit_for_pass);
```

string concat syntax

Varnish2.1.5		Varnish3.0
req.url "addtext"	->	req.url + "addtext"

log method move to std-vmod

Varnish2.1.5

```
sub vcl_recv{
 log req.url;
}
```

->

Varnish3.0

```
import std;
sub vcl_recv{
 std.log(req.url);
}
```

Stop using %xx escapes in VCL strings

Varnish2.1.5

```
VCL:
log "AAABBB:%67%67%67%67%67%67%67%67";

output:
13 VCL_Log      c AAABBB:gggggggg
```

->

Varnish3.0

```
VCL:
std.log("AAABBB:%67%67%67%67%67%67%67%67");

output:
12 VCL_Log      c AAABBB:%67%67%67%67%67%67%67%67
```

Change purge() to ban()

Varnish2.1.5

```
purge("req.http.host == " req.http.host
                "&& req.url == " req.url);
```

->

Varnish3.0

```
ban("req.http.host == " + req.http.host +
                "&& req.url == "+ req.url);
```

Change purge_url() to ban_url()

Varnish2.1.5		Varnish3.0
purge_url(req.url);	->	ban_url(req.url);

Change req.hash += value to hash_data(value)

Varnish2.1.5		Varnish3.0
req.hash += value;	->	hash_data(value);

Runtime parameter

	Varnish2.1.5		Varnish3.0	
Delete parameter				
cache_vbe_conns	off	->	Deleted	bool
err_ttl	0	->	Deleted	sec
New parameter				
default_keep	undefined	->	0	sec
gzip_tmp_space	undefined	->	0	
expiry_sleep	undefined	->	1	sec
gzip_level	undefined	->	6	
shortlived	undefined	->	10	s
http_req_hdr_len	undefined	->	2048	byte
http_resp_hdr_len	undefined	->	2048	byte
gzip_stack_buffer	undefined	->	32768	byte
http_req_size	undefined	->	32768	byte
http_resp_size	undefined	->	32768	byte
thread_pool_workspace	undefined	->	65536	bytes
fetch_maxchunksize	undefined	->	262144	Kbyte
vcl_dir	undefined	->	/etc/varnish	
vmod_dir	undefined	->	/usr/lib64/varnish/vmods	
http_gzip_support	undefined	->	on	bool
vcc_err_unref	undefined	->	on	bool
Change value				
ban_lurker_sleep	0	->	0.01	sec
connect_timeout	0.4	->	0.7	sec
thread_pool_min	5	->	1	threads
thread_pool_add_delay	20	->	2	ms
thread_pool_timeout	300	->	120	sec
thread_pool_max	500	->	1000	threads
send_timeout	600	->	60	sec
cc_command	exec cc -fpic -shared -Wl,-x -o %o %s	->	exec gcc -std=gnu99 -O2 -g -m64 -mtune=generic -pthread -fpic -shared -Wl,-x -o %o %s	text
http_range_support	off	->	on	bool
log_hashstring	off	->	on	bool
Rename parameter				
queue_max	100(overflow_max)	->	100	%
max_esi_depth	5(max_esi_includes)	->	5	includes
http_max_hdr	64(http_headers)	->	64	header line
ban_dups	on(purge_dups)	->	on	bool