mashery_proxy_v2 Log Interface Specification

The mashery_proxy_v2 log format is the format of the log entry, plus the regex that parses the entry into extracted fields, plus the field specification (by extracted field number) below.

Field Documentation

Field	Extracted Field Number	Type	Sub-type	Description	Example
server_name	1	string		Name of the host that took the call	hapi.hoovers.com
src_ip	2	string		Originating IP address of the call	158.151.240.64
ident	3	string		Global unique identifier (GUID) of the call	26e2fa2d-3e63-4ec8-8aaa-fb4643e601cf
record_type	4	string		Type of the call; one of "-", "tracked_call", "value_event"	–
process time		string		date time when request was processed	`21/Apr/2014:21:25:46 +0000 – not e`
method	5	string		HTTP request method (GET, POST, PUT, DELETE, HEAD)	GET
uri	6	string		Path+query string portion of the request	/HooversAPI-34
http_version	7	string		HTTP version (1.1 or 1.0)	HTTP/1.1
bytes	8	number	integer	Bytes we returned in the response	6668
status	9	number	integer	Three-digit HTTP response code we returned	200
referrer	10	string		Referring URL for the call, if any	app:/MarketMeSuite.swf
User_Agent	11	string		Application that made the request	Mozilla/4.0 (compatible; MSIE 6.0; Windows N .NET CLR 3.0.04506.648; .NET CLR 3.5.2102 .NET CLR 3.5.30729)
request_id	12	string		Mashery Internal ID for this request	1306282895.4215_bt6pnhuqhwew22xy7jmw7b
request_time	13	number	float	Epoch microtime the request was received	1306282895.4215
mapi	14	string		mapi used in the call	bt6pnhuqhwew22xy7jmw7bar
spkey	15	string		spkey of the service	x84p868ucwkkvxwwtc7uzw5h
referrer_domain	16	string		Domain portion of the referring URL for the call, if any.	–
proxy_worker	17	string		Proxy worker that handled the request	`j-worker-mom-us-west-1b-01.eins.ma`
api_method	18	string		API method called	GetCompanyDetailRequest 34
cache_hit	19	boolean		Boolean value for whether or not we responded from the cache. 1=we did, 0=we didn't	0
proxy_error_code	20	string		Internal error code for WHY we may have bounced the request. If '-', we didn't block the request from the endpoint.	ERR_403_DEVELOPER_INACTIVE
exec_time	21	number	float	Elapsed time, in seconds, from the moment we got the request at the proxy worker to the moment we sent a response.	0.745138884

remote_total_time	22	number	float	Elapsed time, in seconds, the backend call took.	0.737358
connect_time	23	number	float	Of the remote_total_time, how long, in seconds, it took to establish a connection.	0.001099
pre_transfer_time	24	number	float	Of the remote total_time, how long, in seconds, it took AFTER establishing a connection BEFORE we received the first byte.	0.001105
reference_guid	25	string		Global unique identifier (GUID) of a call referenced by this call	fcf87189-c3da-479d-b6b8-a848539f088c
user_agent_type	26	string		User agent type. "R" if the user agent matches as a robot; "-" otherwise.	
oauth_access_token	27	string		Detected access token (on OAuth 2.0 protected resources).	
capacity_center_id	28	number	integer	OnPrem Capacity Center Id	
capacity_center_name	29	string		OnPrem Capacity Center Name	
ssl_enabled	30	boolean		Flag indicating whether or not ssl is enabled for the connection from the Traffic Manager to the Customer API	true
quota_id	31	string	string	quota_id	ccp-accountDS2-prod.ssl.prod.policy .211 c64bf292-7f5f-4a3b-9c46-e8fe2a :39:59 +0000] "GET /ccp-accountDS2- uild HTTP/1.1" 27 403 "-" "-" 14379 53879h7aeg_a78u9qc4jyw5k4tz6bfnx6ja 5" "management status build" 0 ERR_ .002 0.000 0.000 0.000 - - - - - 1 9h7aeg 5 0 0 0 0 13318 0 0 0 0 0 0 0
quota_object_type	32	string		quota_object_type	
quota_value	33	number	integer	quota_value	
throttle_id	34	string	string	throttle_id	ccp-accountDS2-prod.ssl.prod.policy .211 c64bf292-7f5f-4a3b-9c46-e8fe2a :39:59 +0000] "GET /ccp-accountDS2- uild HTTP/1.1" 27 403 "-" "-" 14379 53879h7aeg_a78u9qc4jyw5k4tz6bfnx6ja 5" "management status build" 0 ERR_ .002 0.000 0.000 0.000 - - - - - 1 9h7aeg 5 0 0 0 0 13318 0 0 0 0 0 0 0
throttle_object_type	35	string		throttle_object_type	
throttle_value	36	number	integer	throttle_value	
service_aggregate_throttle_value	37	number	integer	service_aggregate_throttle_value	
area_aggregate_throttle_value	38	number	integer	area_aggregate_throttle_value	
plan_id	39	number	integer	plan_id	
service_definition_endpoint_id	40	number	integer	service_definition_endpoint_id	
service_definition_method_id	41	number	integer	service_definition_method_id	
resource_filter_id	42	number	integer	resource_filter_id	
stale_cache	43	boolean		stale_cache - If the call was satisfied from cache, indicates whether the call was satisfied from a stale cache entry. If the call was not satisfied from cache, value is 0 always.	
data_source	44	number	integer	0 (default) = SaaS, 1 = MasheryLocal/ESG - What type of product serviced this call	

bytes_in	45	number	integer	0 (default), size in bytes of incoming request; Note that field #8 above, "bytes", is the size in bytes of the *returned* data
client_transfer_time	46	number	float	Time, in seconds, after the transfer of data was complete though the traffic manager, until the client has pulled down the last byte. Default 0
reserved_1	47	Reserved for future use		
reserved_2	48	Reserved for future use		
reserved_3	49	Reserved for future use		
reserved_4	50	Reserved for future use		

Discussion

An example of a mashery_proxy_v2 log entry is shown below.

```
xyz.api.mashery.com 109.144.214.169 a2fe8973-7ad3-45e1-8fe5-eb1b1d50d0ae -
[21/Apr/2014:21:25:46 +0000] "POST
/analytics?api_key=dn2xqymqpabema6w36ffnz4a HTTP/1.1" 26 200 "-"
"SampleData-Protected/3.3.0.136 CFNetwork/672.0.8 Darwin/14.0.0"
1398115546.307_dn2xqymqpabema6w36ffnz4a_rfzysgnp3fvtvgcgrsym439t "-"
"prod-j-worker-eu-west-1a-09.mashery.com" "analytics" 0 - 0.003 0.003 0.000
0.001 - - - - - 0 158121 102 0 158121 102 0 0 0 1069 12596 0 0 1 0 100
0.002
```

The Perl-compatible regular expression we use to parse the format:

```
^([^ ]+) ([^ ]+) ([^ ]*) ([^ ]+) [^ ]+ [^ ]+ "([^ ]+) (.*) (HTTP\/\d\.\d)"
([\-0-9]+) (\d+) "(.*)" "(.*)" (([\d\.]*)_(\S*(?=_\S{7,24}))_([^ ]+))
"([^"]*)" "([^"]*)" "(.*)" ([^ ]+) ([^ ]+) ([^ ]+) ([^ ]+) ([^ ]+) ([^ ]+)
([^ ]+)[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^
]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^
]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^
]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^ ]+)?[ ]*([^
]+)?[ ]*([^ ]+)?
```

The result of parsing that log entry with the reg-ex (use `pcretest -o 300`):