

ElasticSearch API备忘录列表

本文所列的所有API在ElasticSearch文档是有详尽的说明，但它的结构组织的不太好。这篇文章把ElasticSearch API用表格的形式供大家参考。



elastic

如果想及时了

解Spark、Hadoop或者Hbase相关的文章，欢迎关注微信公共帐号：iteblog_hadoop

Category		Description	Call examples
Document API	Single Document API	Adds a new document	PUT /my_index/my_type/1{ "my_field" : "my_value"}PUT /my_index/my_type{ ...}PUT /my_index/my_type/1/_create{ ...}
		Gets an existing document	GET /my_index/my_type/0
		Deletes a document	DELETE /my_index/my_type/0
		Updates a document	POST /my_index/my_t

Category		Description	Call examples
			ype/1/_update{ ...}
	Multi-Document API	Multi-get	<pre>GET /_mget{ "docs" : [{ "_index": "my_index", "_type": "my_type", ... }]}GET /my_index/_mget{ "docs": [{ "_type": "my_type", ... }]}GET /my_index/my_type/_mget{ "docs": [{ ... }]}</pre>
		Performs many index/delete operations in one call	
		Deletes by query	<pre>POST /my_index/_delete_by_query{ "query": { "match": { ... } }}</pre>
		Updates by query	<pre>POST /my_index/_update_by_query?conflicts=proceedPOST /my_index/_update_by_query?conflicts=proceed{ "query": { "term": { "my_field": "my_value" } }}POST /my_index1,my_index2/my_type1,my_type2/_update_by_query</pre>

Category		Description	Call examples
		Reindexes	<pre>POST /_reindex{ "source": { "index": "old_index" }, "dest": { "index": "new_index" } }</pre>
Search API	URI Search	Executes a search with query parameters on the URL	<pre>GET /my_index/my_type/_search?q=my_field:my_valueGET /my_index/my_type/_search{ "query" : { "term" : { "my_field" : "my_value" } } }</pre>
	Search Shards API	Gets indices/shards of a search would be executed against	<pre>GET /my_index/_search_shards</pre>
	Count API	Executes a count query	<pre>GET /my_index/my_type/_count?q=my_field:my_valueGET /my_index/my_type/_count{ "query" : { "term" : { "my_field" : "my_value" } } }</pre>
	Validate API	Validates a search query	<pre>GET /my_index/my_type</pre>

Category		Description	Call examples
			pe/_validate?q=my_fi eld:my_valueGET /my _index/my_type/_vali date{ "query": { "te rm": { "my_field": "m y_value" } }}
	Explain API	Provides feedback on computation of a search	GET /my_index/my_ty pe/0/_explainGET /m y_index/my_type/0/_e xplain?q=message:se arch
	Profile API	Provides timing information on individual components during a search	GET /_search{ "profil e": true, "query": { ... }}
	Field Stats API	Finds statistical properties of fields without executing a search	GET /_field_statsGET / my_index/_field_stats GET /my_index1,my_i ndex2/_field_stats
Indices API	Index management	Instantiates a new index	PUT /my_index{ "sett ings": { ... }}
		Deletes existing indices	DELETE /my_indexDE

Category		Description	Call examples
			DELETE /my_index1,my_index2DELETE /my_index*DELETE /_all
		Retrieves information about indices	GET /my_indexGET /my_index*GET my_index/_settings,_mappings
		Checks whether an index exists	HEAD /my_index
		Closes/opens an index	POST /my_index/_closePOST /my_index/_open
		Shrinks an index to a new index with fewer primary shards	
		Rolls over an alias to a new index if conditions are met	POST /my_index/_roll over{ "conditions": { ... }}
	Mapping management	Adds a new type to an existing index	PUT /my_index/_mapping/new_type{ "properties": { "my_field"

Category	Description	Call examples
		": { "type": "text" } } }
	Retrieves mapping definition for fields	GET /my_index/_mapping/my_type/field/my_field GET /my_index1,my_index2/_mapping/my_type/field/my_field GET /_all/_mapping/my_type1,my_type2/field/my_field1,my_field2 GET /_all/_mapping/my_type1*/field/my_field*
	Checks whether a type exists	HEAD /my_index/_mapping/my_type
	Alias management	Creates an alias over an index
		POST /_aliases{ "actions": [{ "add": { "index": "my_index", "alias": "my_alias" } }] } POST /_aliases{ "actions": [{ "add": { "index": ["index1", "index2"], "alias": "another_alias" } }] }
	Removes an alias	POST /_aliases{ "acti

Category		Description	Call examples
			ons" : [{ "remove" : { "index" : "my_ind ex", "alias" : "my_old_ alias" } }] }
	Index settings	Updates settings of indices	PUT /my_index/_setti ngs{ ...}
		Retrieves settings of indices	GET /my_index/_setti ngs
		Performs an analysis process of a text and return the tokens	GET /_analyze{ "anal yzer" : "standard", "t ext" : "this is a test"}
		Creates a new template	PUT /_template/my_t emplate{ ...}
		Deletes an existing template	DELETE /_template/m y_template
		Gets info about an existing template	GET /_template/my_t

Category		Description	Call examples
			emplate
		Checks whether a template exists	HEAD /_template/my_template
	Replica configuration	Sets index data location on a disk	
	Monitoring	Provides statistics on indices	GET /_statsGET /my_index1/_statsGET /my_index1,my_index2/_statsGET /my_index1/_stats/flush,merge
		Provides info on Lucene segments	GET /_segmentsGET /my_index1/_segmentsGET /my_index1,my_index2/_segments
		Provide recovery info on indices	GET /_recoveryGET /my_index1/_recoveryGET /my_index1,my_index2/_recovery
		Provide store info on shard copies of indices	GET /_shard_storesGET /my_index1/_shard_

Category		Description	Call examples
			storesGET /my_index1,my_index2/_shard_stores
	Status management	Clears the cache of indices	POST /_cache/clearPOST /my_index/_cache/clearPOST /my_index1,my_index2/_cache/clear
		Explicitly refreshes indices	POST /_refreshPOST /my_index/_refreshPOST /my_index1,my_index2/_refresh
		Flushes in-memory transaction log on disk	POST /_flushPOST /my_index/_flushPOST /my_index1,my_index2/_flush
		Merge Lucene segments	POST /_forcemergePOST /my_index/_forcemergePOST /my_index1,my_index2/_forcemerge
cat API	cat aliases	Shows information about aliases.	

Category		Description	Call examples
		including filter and routing infos	GET /_cat/aliases?v GET /_cat/aliases/my_alias?v
	cat allocations	Provides a snapshot on how many shards are allocated and how much disk space is used for each node	GET /_cat/allocation?v
	cat count	Provides quick access to the document count	GET /_cat/count?v GET /_cat/count/my_index?v
	cat fielddata	Shows heap memory currently being used by fielddata	GET /_cat/fielddata?v GET /_cat/fielddata/my_field1,my_field2?v
	cat health	One-line representation of the same information from /_cluster/health	GET /_cat/health?v GET /_cat/health?v&ts=0
	cat indices	Provides a node-spanning cross-section of each index	GET /_cat/indices?v GET /_cat/indices?v&health=yellow GET /_cat/indices/my_index?v&health=yellow

Category		Description	Call examples
	cat master	Displays the master's node ID, bound IP address, and node name	GET /_cat/master?v
	cat nodeattrs	Shows custom node attributes	GET /_cat/nodeattrs?v GET /_cat/nodeattrs?v &h=name,id,pid,ip
	cat nodes	Shows cluster topology	GET /_cat/nodes?v GET /_cat/nodes?v&h=name,id,pid,ip
	cat pending tasks	Provides the same information as /_cluster/pending_tasks	GET /_cat/pending_tasks?v
	cat plugins	Provides a node-spanning view of running plugins per node	GET /_cat/plugins?v GET /_cat/plugins?v&h=name,id,pid,ip
	cat recovery	Shows on-going and completed index shard recoveries	GET /_cat/recovery?v GET /_cat/recovery?v &h=name,id,pid,ip

Category		Description	Call examples
	cat repositories	Shows snapshot repositories registered in the cluster	GET /_cat/repositories?v
	cat thread pool	Shows cluster-wide thread pool statistics per node	GET /_cat/thread_pools?v GET /_cat/thread_pools?v&h=id,pid,ip
	cat shards	Displays shards to nodes relationships	GET /_cat/shards?v GET /_cat/shards/my_index?v GET /_cat/shards/my_index*/v
	cat segments	Provides information similar to _segments	GET /_cat/segments?v GET /_cat/segments/my_index?v GET /_cat/segments/my_index1,my_index2?v
	cat snapshots	Shows snapshots belonging to a repository	/_cat/snapshots/my_repo?v
	cat templates	Provides information about existing	

Category		Description	Call examples
		templates	GET /_cat/templates? vGET /_cat/templates/ my_templateGET /_ca t/templates/my_temp late*
Cluster API	Cluster Health	Gets the status of a cluster's health	GET /_cluster/healthG ET /_cluster/health/m y_index1GET /_cluster /health/my_index1,m y_index2
	Cluster State	Gets state information about a cluster	GET /_cluster/stateGE T /_cluster/state/versi on,nodes/my_index1 GET /_cluster/state/ve rsion,nodes/my_inde x1,my_index2GET /_cl uster/state/version,n odes/_all
	Cluster Stats	Retrieves statistics from a cluster	GET /_cluster/statsGE T /_cluster/stats?hum an&pretty
	Pending cluster tasks	Returns a list of any cluster-level changes	GET /_cluster/pending g_tasks

Category		Description	Call examples
	Cluster Reroute	Executes a cluster reroute allocation	GET /_cluster/reroute { ...}
	Cluster Update Settings	Update cluster-wide specific settings	GET /_cluster/settings { "persistent" : { ... }, "transient" : { ... } }
	Node Stats	Retrieves cluster nodes statistics	GET /_nodes/stats GET /_nodes/my_node1, my_node2/stats GET /_nodes/127.0.0.1/stats GET /_nodes/stats/indices,os,process
	Node Info	Retrieves cluster nodes information	GET /_nodes GET /_nodes/my_node1, my_node2 GET /_nodes/_all/indices,os,process GET /_nodes/indices,os,process GET /_nodes/my_node1, my_node2/_all
	Task Management API	Retrieve information about tasks currently executing on nodes in the cluster	GET /_tasks GET /_tasks?nodes=my_node1, my_node2 GET /_tasks?nodes=my_node1,m

Category		Description	Call examples
			y_node2&action s=cluster:*
	Nodes Hot Threads	Gets current hot threads on nodes in the cluster	GET /_nodes/hot_threads GET /_nodes/hot_threads/my_node GET /_nodes/my_node1,my_node2/hot_threads
	Cluster Allocation Explain API	Answers the question "why is this shard unassigned?"	GET /_cluster/allocation/explain GET /_cluster/allocation/explain{ "index": "myindex", "shard": 0, "primary": false}
符号标记了将来版本中可能删除（或更改）的实验性API			

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