Page & Form

Page

Cluster

Information

The information of cluster.

Name	Type	Description	Field
Name	String	Cluster name.	name
Description	String	Cluster description.	bio

Set cluster as your default cluster	Bool	When peer does not find a matching cluster based on scopes, the default cluster will be used.	is_default
Scheduler cluster ID	Int	When the scheduler is deployed, the schedulerClusterID must be filled with this scheduler cluster ID in scheduler configuration. In this way, the scheduler will become the scheduling service of this cluster.	scheduler_cluster_id
Seed Peer cluster ID	Int	When the seed peer is deployed, the clusterID must be filled with this seed peer cluster ID in scheduler configuration. In this way, the seed peer will become the seed peer service of this cluster.	seed_peer_cluster_id

Config

The configuration for P2P downloads.

Name	Type	Description	Field

Seed Peer load limit	Int	If other peers download from the seed peer, the load of the seed peer will increase. When the load limit of the seed peer is reached, the scheduler will no longer schedule other peers to download from the seed peer until the it has the free load.	seed_peer_cluster_config.load_limit
Peer load limit	Int	If other peers download from the peer, the load of the peer will increase. When the load limit of the peer is reached, the scheduler will no longer schedule other peers to download from the peer until the it has the free load.	peer_cluster_config.load_limit
Number of concurrent download pieces	Int	The number of pieces that a peer can concurrent download from other peers.	peer_cluster_config.concurrent_piece_count
Scheduling parent limit	Int	The maximum number of parents that the scheduler can schedule for download peer.	scheduler_cluster_config.filter_parent_limit

Parent range limit	Int	The scheduler will randomly select the number of parents from all the parents according to the parent range limit and evaluate the optimal parents in selecting parents for the peer to download task. The number of optimal parent is the scheduling parent limit.	scheduler_cluster_config.filter_parent_range_limit

Scopes

The cluster needs to serve the scope. It wil provide scheduler services and seed peer services to peers in the scope.

Name	Type	Description	Field

Location	String	The cluster needs to serve all peers in the location. When the location in the peer configuration matches the location in the cluster, the peer will preferentially use the scheduler and the seed peer of the cluster. It separated by "|", for example "area|country|province|city".	scopes.location
IDC	String	The cluster needs to serve all peers in the IDC. When the IDC in the peer configuration matches the IDC in the cluster, the peer will preferentially use the scheduler and the seed peer of the cluster. IDC has higher priority than location in the scopes.	scopes.idc

CIDRs	[]String	The cluster needs to serve all peers in the CIDRs. The advertise IP will be reported in the peer configuration when the peer is started, and if the advertise IP is empty in the peer configuration, peer will automatically get expose IP as advertise IP. When advertise IP of the peer matches the CIDRs in cluster, the peer will preferentially use the scheduler and the seed peer of the cluster. CIDRs has higher priority than IDC in the scopes.	scopes.cidrs

Form

Create Cluster

Information

The information of cluster.

Name	Type	Description	Default Value	Validation	Field

Name	String	Cluster name.		Required: Y, Length: (0, 40]	name
Description	String	Cluster description.		Required: N, Length: (0, 1000]	bio
Set cluster as your default cluster	Bool	When peer does not find a matching cluster based on scopes, the default cluster will be used.	False	Required: Y	is_default

Config

The configuration for P2P downloads.

Name	Type	Description	Default Value	Validation	Field

Seed Peer load limit	Int	If other peers download from the seed peer, the load of the seed peer will increase. When the load limit of the seed peer is reached, the scheduler will no longer schedule other peers to download from the seed peer until the it has the free load.	300	Required: Y, Length: (0, 5000]	seed_peer_cluster_config.load_limit

Peer load limit	Int	If other peers download from the peer, the load of the peer will increase. When the load limit of the peer is reached, the scheduler will no longer schedule other peers to download from the peer until the it has the free load.	50	Required: Y, Length: (0, 2000]	peer_cluster_config.load_limit
Number of concurrent download pieces	Int	The number of pieces that a peer can concurrent download from other peers.	4	Required: Y, Length: (0, 50]	peer_cluster_config.concurrent_piece_count

Scheduling parent limit	Int	The maximum number of parents that the scheduler can schedule for download peer.	4	Required: Y, Length: (0, 20]	scheduler_cluster_config.filter_parent_limit
Parent range limit	Int	The scheduler will randomly select the number of parents from all the parents according to the parent range limit and evaluate the optimal parents in selecting parents for the peer to download task. The number of optimal parent is the scheduling parent limit.	40	Required: Y, Length: (0, 1000]	scheduler_cluster_config.filter_parent_range_limit

Scopes

The cluster needs to serve the scope. It wil provide scheduler services and seed peer services to peers in the scope.

Name	Type	Description	Default Value	Validation	Field
Location	String	The cluster needs to serve all peers in the location. When the location in the peer configuration matches the location in the cluster, the peer will preferentially use the scheduler and the seed peer of the cluster. It separated by "|", for example "area|country|province|city".		Required: N, Length: (0, 100]	scopes.location

IDC	String	The cluster needs to serve all peers in the IDC. When the IDC in the peer configuration matches the IDC in the cluster, the peer will preferentially use the scheduler and the seed peer of the cluster. IDC has higher priority than location in the scopes.		Required: N, Length: (0, 100]	scopes.idc
CIDRs	[]String	The cluster needs to serve all peers in the CIDRs. The advertise IP will be reported in the peer configuration when the peer is started, and if the		Required: N, Length: (0, 1000], Is CIDR	scopes.cidrs

		advertise IP is empty in the peer configuration, peer will automatically get expose IP as advertise IP. When advertise IP of the peer matches the CIDRs in cluster, the peer will preferentially use the scheduler and the seed peer of the cluster. CIDRs has higher priority than IDC in the scopes.			

Update Cluster

Information

The information of cluster.

Name	Type	Description	Default Value	Validation	Field

Description	String	Cluster description.		Required: N, Length: (0, 1000]	bio
Set cluster as your default cluster	Bool	When peer does not find a matching cluster based on scopes, the default cluster will be used.	False	Required: N	is_default

Config

The configuration for P2P downloads.

Name	Type	Description	Default Value	Validation	Field

| Seed Peer load limit | Int | If other peers download from the seed peer, the load of the seed peer will increase. When the load limit of the seed peer is reached, the scheduler will no longer schedule other peers to download from the seed peer until the it has the free load. | 300 | Required: N, Length: (0, 5000] | seed_peer_cluster_config.load_limit |

| Peer load limit | Int | If other peers download from the peer, the load of the peer will increase. When the load limit of the peer is reached, the scheduler will no longer schedule other peers to download from the peer until the it has the free load. | 50 | Required: N, Length: (0, 2000] | peer_cluster_config.load_limit |
| Number of concurrent download pieces | Int | The number of pieces that a peer can concurrent download from other peers. | 4 | Required: N, Length: (0, 50] | peer_cluster_config.concurrent_piece_count |

Scheduling parent limit	Int	The maximum number of parents that the scheduler can schedule for download peer.	4	Required: N, Length: (0, 20]	scheduler_cluster_config.filter_parent_limit
Parent range limit	Int	The scheduler will randomly select the number of parents from all the parents according to the parent range limit and evaluate the optimal parents in selecting parents for the peer to download task. The number of optimal parent is the scheduling parent limit.	40	Required: N, Length: (0, 1000]	scheduler_cluster_config.filter_parent_range_limit

Scopes

The cluster needs to serve the scope. It wil provide scheduler services and seed peer services to peers in the scope.

Name	Type	Description	Default Value	Validation	Field
Location	String	The cluster needs to serve all peers in the location. When the location in the peer configuration matches the location in the cluster, the peer will preferentially use the scheduler and the seed peer of the cluster. It separated by "|", for example "area|country|province|city".		Required: N, Length: (0, 100]	scopes.location

| IDC | String | The cluster needs to serve all peers in the IDC. When the IDC in the peer configuration matches the IDC in the cluster, the peer will preferentially use the scheduler and the seed peer of the cluster. IDC has higher priority than location in the scopes. | | Required: N, Length: (0, 100] | scopes.idc |
| CIDRs | []String | The cluster needs to serve all peers in the CIDRs. The advertise IP will be reported in the peer configuration when the peer is started, and if the | | Required: N, Length: (0, 1000], Is CIDR | scopes.cidrs |

		advertise IP is empty in the peer configuration, peer will automatically get expose IP as advertise IP. When advertise IP of the peer matches the CIDRs in cluster, the peer will preferentially use the scheduler and the seed peer of the cluster. CIDRs has higher priority than IDC in the scopes.			