## Elasticsearch Shard Allocation Filtering with IP 22.41.140.148

### Overview

In Elasticsearch, shard allocation filtering allows administrators to control where the shards of an index are allocated in the cluster. This is particularly useful for maintenance.

### Persistent vs Transient Settings

* **Transient**: Settings are temporary and will be lost after a cluster restart.
* **Persistent**: Settings are stored in the cluster state and will persist through cluster restarts.

### Excluding and Including IP 22.41.140.148

**Exclude IP 22.41.140.148 before patching**:

**Include IP 22.41.140.148 after patching**:

### Important Notes

* The commands work almost instantly.
* The time taken for shard reallocation depends on data size, cluster health, and overall load on the Elasticsearch nodes.

PUT \_cluster/settings  
{  
 "persistent": {  
 "cluster.routing.allocation.include.\_ip": "22.41.140.148"  
 }  
}

PUT \_cluster/settings  
{  
 "persistent": {  
 "cluster.routing.allocation.exclude.\_ip": "22.41.140.148"  
 }  
}