

# LEGACY: Elasticsearch Backup/Restore from S3

## Steps to restore an Elasticsearch Snapshot from an S3 backup:

\*make sure same version for less issues

1. Install S3 plugin
2. allow insecure settings (on local Elasticsearch instance)
  - a. open ProgramData -> Elastic -> Elasticsearch -> config -> jvm.options
  - b. edit the file and add the line "-Des.allow\_insecure\_settings=true" to the bottom.
  - c. restart the Elasticsearch service.
3. Register the S3 bucket as a snapshot repository
  - a. Do a PUT to "[http://localhost:9200/\\_snapshot/s3\\_repository](http://localhost:9200/_snapshot/s3_repository)" with a body: {  
"type": "s3",  
"settings": {  
"bucket": "elasticsearch-monitor",  
"region": "us-east-1",  
"access\_key": "{access\_key}",  
"secret\_key": "{key\_secret}"  
}  
}
4. Create the snapshot
  - a. Do a POST "  
[http://localhost:9200/\\_snapshot/s3\\_repository/{snapshot\\_name}?wait\\_for\\_completion=true](http://localhost:9200/_snapshot/s3_repository/{snapshot_name}?wait_for_completion=true)  
" with a body:  
{  
"type": "s3",  
"settings": {  
"bucket": "efc-elasticsearch-export",  
"region": "us-east-1",  
"access\_key": "{access\_key}",  
"secret\_key": "{key\_secret}"  
}  
}

5. Register S3 repository with hosted ElasticSearch: Following this [article](#) or [article2](#)
    - a. Once you have the role arn and S3 access key and secret, do a PUT request to the AWS ElasticSearch instance using Postman.
    - b. Postman has the ability to do a "Signed Request" which is important for this PUT request to complete successfully. You do this by going to the Authorization tab, selecting Type: AWS Signature. Enter the access key, and secret, region (probably us-east-1) and Service Name (es).
    - c. The URL and body are as follows:  
URL: `https://{your url}.us-east-1.es.amazonaws.com/_snapshot/s3_repository?pretty&verify=false`  
Body (JSON): 

```
{
  "type": "s3",
  "settings": {
    "bucket": "efc-elasticsearch-export",
    "role_arn": "arn:aws:iam::{your arn}:role/es-to-s3-repository-staging-role",
    "region": "us-east-1"
  }
}
```
    - d. Validate snapshot is available: GET `"https://{yoururl}.us-east-1.es.amazonaws.com/_snapshot/s3_repository/_all"`
    - e. Restore the snapshot with a POST `"https://{your_url}.us-east-1.es.amazonaws.com/_snapshot/s3_repository/{snapshot_name}/_restore"`
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