

ElasticSearch to s3 snapshot

- [Steps to link ES cluster to s3 and create/restore snapshots](#)

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In the Account that the S3 bucket is going to live, create a new IAM policy with the following permissions:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "VisualEditor0",
      "Effect": "Allow",
      "Action": "iam:PassRole",
      "Resource": [
        "arn:aws:s3:::S3-BUCKET-NAME/*",
        "arn:aws:iam::ACCOUNT-ID:role/*"
      ]
    },
    {
      "Sid": "VisualEditor1",
      "Effect": "Allow",
      "Action": "s3:ListBucket",
      "Resource": "arn:aws:s3:::S3-BUCKET-NAME"
    },
    {
      "Sid": "VisualEditor2",
      "Effect": "Allow",
      "Action": [
        "s3:PutObject",
        "s3:GetObject",
        "s3:DeleteObject"
      ],
      "Resource": "arn:aws:s3:::S3-BUCKET-NAME/*"
    }
  ]
}
```

Create a new Role in that AWS account with the above policy, and also create a Trust permission with the following details:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "Statement1",
      "Effect": "Allow",
      "Principal": {
        "Service": "es.amazonaws.com"
      },
      "Action": "sts:AssumeRole"
    }
  ]
}
```

Create a new user in the account and give it the the policy created earlier

-----Create connection to repository

PUT: https://SOURCE-CLUSTER-ENDPOINT/_snapshot/snapshot-respository

Body: as JSON

```
{  "type": "s3",
  "settings": {
    "bucket": "S3-BUCKET-NAME",
    "region": "us-east-1",
    "role_arn": "ARN FOR THE NEWLY CREATED ROLE"
  }
}
```

-----Create backup

PUT: https://vpc-rbx-stg-es-6-8-f7kozzmqn3r2ygnqsqicjlism.us-east-1.es.amazonaws.com/_snapshot/snapshot-respository/2023-01-05

-----Restore Status

GET: https://vpc-rbx-stg-es-6-8-f7kozzmqn3r2ygnqsqicjlism.us-east-1.es.amazonaws.com/_snapshot/snapshot-respository/2023-01-05/_status

-----Restore

POST: https://vpc-rbx-stg-es-6-8-shardings-ma7dgqmnnngrd6wthxwfgkot5u.us-east-1.es.amazonaws.com/_snapshot/snapshot-respository/2023-01-05/_restore

-----Restore status

GET: https://vpc-rbx-stg-es-6-8-shardings-ma7dgqmnnngrd6wthxwfgkot5u.us-east-1.es.amazonaws.com/_cat/recovery