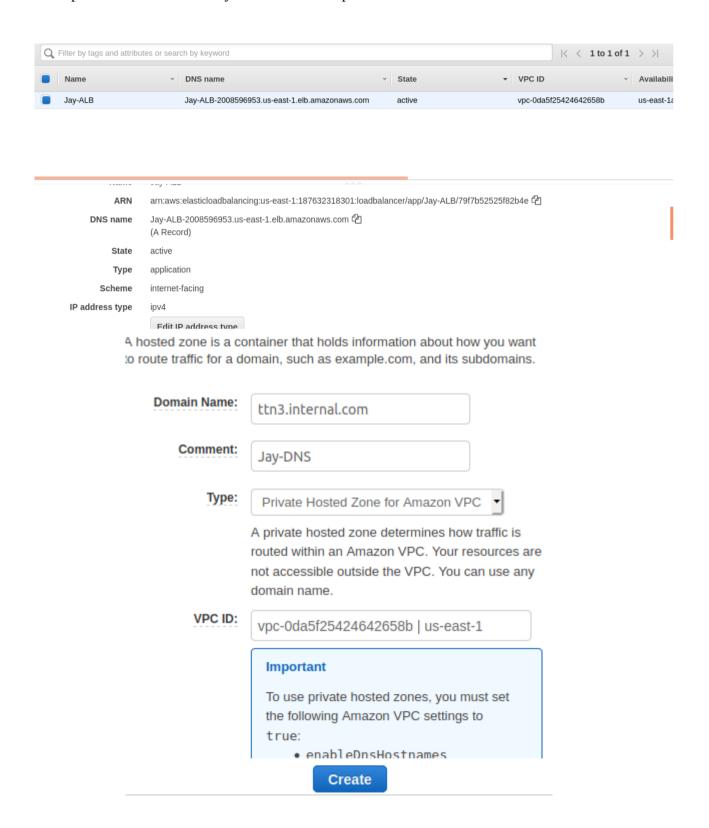
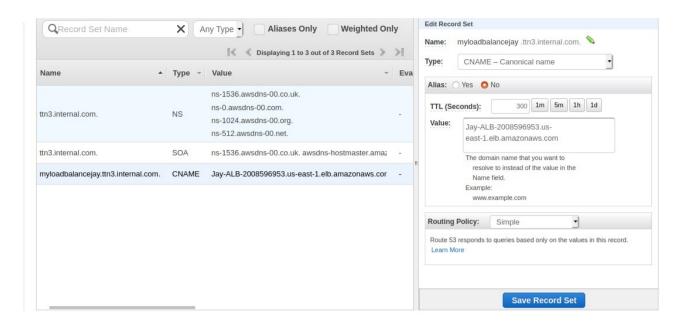
Session: S3, Route 53 & DNS

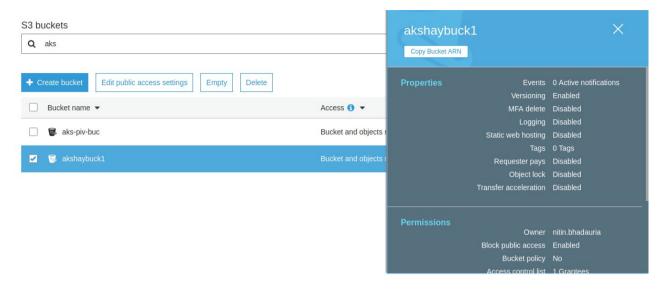
1) create a private hosted zone named "<u>ttn-internal.com</u>" attached to the default vpc. and created a cname record "<u>myloadbalance.ttn-internal.com</u>" for any load balancer pointed to its dns. Do reverse lookup for the record from any instance of the vpc and share the result.



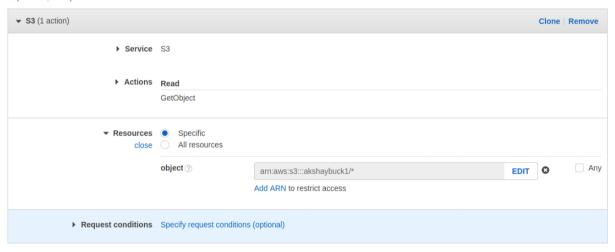


```
ubuntu@ip-10-0-1-249:~$ sudo dig myloadbalancejay.ttn3.internal.com
  <<>> DiG 9.11.3-1ubuntu1.11-Ubuntu <<>> myloadbalancejay.ttn3.internal.com
 ; global options: +cmd
:: Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 36261
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1
 ;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;myloadbalancejay.ttn3.internal.com. IN A
;; ANSWER SECTION:
nyloadbalancejay.ttn3.internal.com. 60 IN CNAME jay-alb-2008596953.us-east-1.elb.amazonaws.com.
jay-alb-2008596953.us-east-1.elb.amazonaws.com. 59 IN A 54.236.73.61
jay-alb-2008596953.us-east-1.elb.amazonaws.com. 59 IN A 52.20.113.45
;; Query time: 80 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Mon Mar 02 18:04:30 UTC 2020
;; MSG SIZE rcvd: 152
ubuntu@ip-10-0-1-249:~$ curl myloadbalancejay.ttn3.internal.com
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
    body {
         width: 35em;
         margin: 0 auto;
         font-family: Tahoma, Verdana, Arial, sans-serif;
```

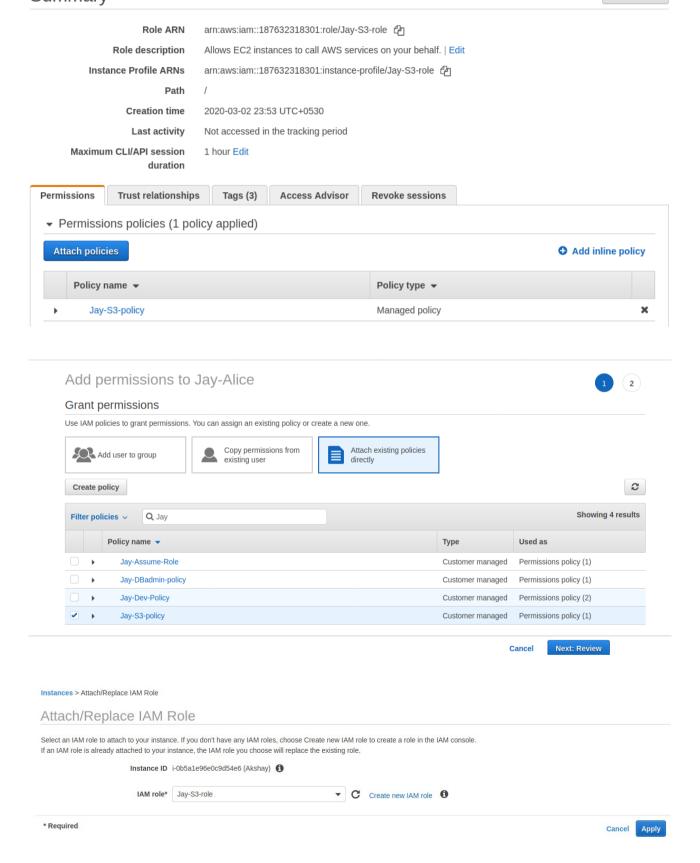
2) Create a non-public S3 bucket and give appropriate permissions to a server to download objects from bucket but not to put or delete anything in it.



Expand all | Collapse all



• Add additional permissions



```
ubuntu@ip-172-31-228-111:~$ aws s3 ls

An error occurred (AccessDenied) when calling the ListBuckets operation: Access Denied
ubuntu@ip-172-31-228-111:~$ aws s3api get-object --bucket akshaybuck1 --key "VPC .pdf" jay.pdf

{
    "AcceptRanges": "bytes",
    "LastModified": "Wed, 26 Feb 2020 18:42:11 GMT",
    "ContentLength": 882999,
    "ETag': "\"080H580b575650c4de649cf7bfe0549e3\"",
    "VersionId": "943sdeqiUei0N_wJMXFrmPzLu_ngyEJj",
    "ContentIype": "application/octet-stream",
    "Metadata": {}
}
ubuntu@ip-172-31-228-111:~$
```