

AWS Automated Deletion API Documentation

List of Services:

1. EC2 Termination
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4. Security Group Deletion
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Abstract :

This API is written in Python 3. It deletes the AWS services in cost effective manner. This API uses **boto3** library and various clients based on service. It can be called from URL link (Home Page) which uses ALB services to forward to AWS Lambda where script finally runs and then an HTML5 script is returned as output which you can see on webpage. Complete link of scripts and Home Page is given below.

Script Link : <https://drive.google.com/drive/folders/1lg2Cxned7CXezlnEHHE0hrjG262UK3h>

Home Page Link : <http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/>

1. EC2 Termination

What It Does?

- Turns OFF Termination Protection of EC2
- Enable Delete on Termination for all EBS attached to EC2 instance
- Dissociate and Release Elastic IP if allocated
- Create Image of EC2 instances
- Terminate EC2 Instances

How To Use?

Append path [/ec2terminate](#) to the URL of Home Page/Default Page then provide inputs after putting '?'. Use assignment operator '=' to assign values of each input and use '&' to add another input.

➤ Path : [/ec2terminate](#)

➤ Input :

- account : myAccountName
- region : myRegionName
- ids : List of comma separated Instance ID / "all" (In case you want to delete all Instances)
- image : True | False (Creates Image of Instance before terminating if True)

Examples :

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/ec2terminate?account=vivek®ion=us-east-1&ids=i-735c8389bf88,i-784c833ac38&image=False>

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/ec2terminate?account=vivek®ion=us-east-1&ids=all&image=True>

2. RDS Deletion

What It Does?

- Turn OFF Deletion Protection of RDS
- Takes Snapshot of DB Instances
- Deletes attached Parameters Groups
- Deletes attached Option Groups
- Deletes DB Instance

How To Use?

Append path [/rdsdelete](#) to the URL of Home Page/Default Page then provide inputs after putting '?'. Use assignment operator '=' to assign values of each input and use '&' to add another input.

- Path : [/rdsdelete](#)
- Input :
 - account : myAccountName
 - region : myRegionName
 - ids : List of commas separated DB Identifier / "all" (In case you want to delete all Instances)
 - snapshot : True | False (Take Snapshot of DB Instance before deleting if True)

Examples :

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/rdsdelete?account=vivek®ion=us-east-1&ids=myDBtest1,myDBtest2&snapshot=False>

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/rdsdelete?account=vivek®ion=us-east-1&ids=all&snapshot=True>

Issues:

- If you put snapshot = True, then Parameter Groups and Option Groups cannot be deleted as it will in use by the snapshot.
- Since DB Instances takes several minutes to delete itself (Depending upon size of Database) so Parameters Group and Option Group can't be deleted just after calling deletion of DB Instance.

3. Load Balancer Deletion

Application Load Balancers (ALB)

What It Does?

- Check for ALB with no registered Targets
- Turn OFF Deletion Protection
- Remove all Listeners
- Delete all attached Targets Groups
- Delete ALB

How To Use?

Append path [/albdelete](#) to the URL of Home Page/Default Page then provide inputs after putting '?'. Use assignment operator '=' to assign values of each input and use '&' to add another input.

- Path : [/albdelete](#)
- Input :
 - account : myAccountName
 - region : myRegionName
 - ids : List of commas separated ALB Arn / "all" (In case you want to delete all ALB)

Examples:

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/albdelete?account=vivek®ion=us-east-1&ids=arn:XXXXXXXX1,arn:XXXXXXXX2>

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/albdelete?account=vivek®ion=us-east-1&ids=all>

Elastic Load Balancers (ELB)

What It Does?

- Check for ELB with no registered Targets (EC2 Instances)
- Delete ELB

How To Use?

Append path [/elbdelete](#) to the URL of Home Page/Default Page then provide inputs after putting '?'. Use assignment operator '=' to assign values of each input and use '&' to add another input.

- Path : [/elbdelete](#)
- Input :
 - account : myAccountName
 - region : myRegionName
 - ids : List of commas separated ELB Names / "all" (In case you want to delete all ELB)

Examples :

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/elbdelete?account=vivek®ion=us-east-1&ids=myLoadBalancer1,myLoadBalancer2>

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/elbdelete?account=vivek®ion=us-east-1&ids=all>

4. Security Groups Deletion

What It does?

- Remove Security group from Inbound of other Security Groups if present
- Delete Security Group

How To Use?

Append path [/sqdelete](#) to the URL of Home Page/Default Page then provide inputs after putting '?'. Use assignment operator '=' to assign values of each input and use '&' to add another input.

- Path : [/sqdelete](#)
- Input :
 - account : myAccountName
 - region : myRegionName
 - ids : List of commas separated Security Group ID / "all" (In case you want to delete all Security Groups)

Examples :

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/sqdelete?account=vivek®ion=us-east-1&ids=sq-903004f8,sq-283e72a2>

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/sqdelete?account=vivek®ion=us-east-1&ids=all>

5. Cloud Formation Stacks Deletion

What It Does?

- Turn OFF Deletion Protection of Stacks
- Delete Stacks

How to Use?

Append path [/cfdelete](#) to the URL of Home Page/Default Page then provide inputs after putting '?'. Use assignment operator '=' to assign values of each input and use '&' to add another input.

- Path : [/cfdelete](#)
- Input :
 - account : myAccountName
 - region : myRegionName
 - ids : List of commas separated Stack Names / "all" (In case you want to delete all Stacks)

Examples :

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/cfdelete?account=vivek®ion=us-east-1&ids=myLampStack,myRubyStack>

<http://lamdaapi-1599659077.us-east-2.elb.amazonaws.com/cfdelete?account=vivek®ion=us-east-1&ids=all>

Issues:

- If any of the services has Deletion Protection enabled individually then that service can only be deleted after turning OFF Deletion Protection. This API doesn't turn it OFF automatically.

