

Moln Cross Reference CLI Commands AWS/Azure/Gcloud

Moln is a bash shell script to simplify the initial work with multiple cloud providers.

- Use it to quickly install the cloud providers cli
- Use it to perform commands on several cloud providers at once.
- Use it to learn how to work with different cloud provider cli:s.

Perform specific cloud configuration using the web interface (for example vm templates) then use moln to start a vm using the prepared vm template.

Examples:

```
moln aws install
moln azure whoami
moln gcloud list-users
moln aws list-subnets
moln all list-vms
moln aws list-vm-templates
moln aws create-vm-from-templates
moln aws upsert-dns-record www.fooobar.com A 10.11.12.13
moln aws assume-role allaccess MYSESSION3
moln --list-help
```

BASIC

whoami Display active account/identity.

```
aws sts get-caller-identity
az account list
gcloud config list
```

BUCKET

list-buckets List storage buckets, ie aws s3/gcloud storage/azure blobs.

```
aws s3api list-buckets --output json
```

COST

list-costs Print a summary of monthly costs for the last 12 months.

DNS

list-hosted-zones List zones the dns is configured to serve.

```
aws route53 --region us-east-1 list-hosted-zones
list-dns-records List dns records in a zone.
```

```
aws route53 list-resource-record-sets --hosted-zone-id=$ID
upsert-dns-record NAME TYPE DEST Insert or update a dns record.

aws route53 change-resource-record-sets --hosted-zone-id $ID --change-batch
file://$FILE
remove-dns-record NAME Remove a dns record.

aws route53 change-resource-record-sets --hosted-zone-id $ID --change-batch
file://$FILE
list-domains List dns domains.

aws route53domains --region us-east-1 list-domains
```

GROUP

```
list-groups List iam groups.

aws iam list-groups
az ad group list
list-groups-for-user List groups to which a user belongs.
```

CLI

```
install Install the specified cloud cli.
```

IP

```
list-ips List allocated external ip numbers.

aws ec2 describe-addresses
```

ORG

POLICY

```
list-policies List iam policies.

aws iam list-policies
```

ROLE

```
assume-role ROLE SESSION Start a subshell with the rights of the assumed
role.

aws sts assume-role --role-arn "arn:aws:iam::$AWS_ACCOUNT:role/$ROLE"
--role-session-name "$SESSION"
list-roles List iam roles.

aws iam list-roles
```

SUBNET

list-subnets List all subnets.

```
aws ec2 describe-subnets
```

USER

list-users List users in cloud account.

```
aws iam list-users
```

```
az ad user list
```

```
gcloud iam service-accounts --format=json list
```

VM

create-vm-from-template **NAME** **TEMPLATE_NAME** Create a virtual machine based on an existing vm template.

```
aws ec2 run-instances --launch-template LaunchTemplateName=$TEMPLATE_NAME  
--tag-specifications "ResourceType=instance,Tags=[Key=Name,Value=$NAME]"
```

```
az foo bar $TEMPLATE_NAME $NAME
```

destroy-vm **NAMEID** **NAMEID** Destroy a virtual machine.

VPC

list-vpcs List virtual private clouds/networks, aka vpc:s and vnets.

```
aws ec2 describe-vpcs
```

```
az network vnet list
```

WEBAPI

list-webapi-domains List domain names mapped to web apis (REST/HTTPs) routers.

```
aws apigatewayv2 get-domain-names
```