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 provicer 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
```

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`