28. February 2020

Cloud Architecture Report

Summary

Provider: Windows Azure

Primary location: EU-Frankfurt

Primary usage time:

# of Instances: 0

Requests: 0

Storage Capacity in TB: 0

Services

- vm - Azure Virtual Machines
- load balancer - Azure Load Balancer
- search engine - Azure Cognitive Search
- vpc - Azure Virtual Network
- storage - Azure Blob Storage

vm

Properties

Name:	vm
Category:	Compute
Service:	Azure Virtual Machines
Type:	VM
Instance type:	General
Instance hours:	730
CPU:	2
RAM in GB:	4
Operating system:	Linux
Transferred data in GB:	50

Usage

Location:	EU-Frankfurt
Usage type:	-
Usage period:	-
Usage prepay:	None
Operating mode:	-

load balancer

Properties

Name:	load balancer
Category:	Compute
Service:	Azure Load Balancer
Type:	Load Balancer
Units:	1
Transferred data in GB:	10

Usage

Location:	EU-Frankfurt
Usage type:	-
Usage period:	-
Usage prepay:	None
Operating mode:	-

search engine

Properties

Name:	search engine
Category:	Analytic
Service:	Azure Cognitive Search
Type:	Search Engine
Instance type:	General
CPU:	1
RAM in GB:	2
Hours:	730
Processed data in GB:	5
Transferred data in GB:	5

Usage

Location:	EU-Frankfurt
Usage type:	-
Usage period:	-
Usage prepay:	None
Operating mode:	-

vpc

Properties

Name:	vpc
Category:	Network
Service:	Azure Virtual Network
Type:	VPC
Connections:	1
Endpoints:	4
Hours:	730
Incoming data in GB:	100
Outgoing data in GB:	50

Usage

Location:	EU-Frankfurt
Usage type:	-
Usage period:	-
Usage prepay:	None

Operating mode:	-

storage

Properties

Name:	storage
Category:	Storage
Service:	Azure Blob Storage
Type:	Object-Storage (Standard)
Storage in GB:	Standard
Read requests:	100
Write requests:	20000
Transferred data in GB:	20000

Usage

Location:	EU-Frankfurt
Usage type:	-
Usage period:	-
Usage prepay:	None
Operating mode:	-

Cost Calculation

Service costs

vm	40.04 USD	730 * 0.048 USD + 50 * 0.1 USD
load balancer	7.35 USD	1 * 0.01 USD * 730 hours + 1 * 10 * 0.005 USD
search engine	245.28 USD	730 * 0.336 USD
vpc	1.50 USD	100 * 0.01 USD + 50 * 0.01 USD
storage	4.96 USD	100 * 0.0196 USD + 20.0 * 4.3E-4 USD + 10.0 * 0.0054 USD + 10 * 0.1 USD

Total costs

Per Hour:	0.41 USD
Per Day:	9.97 USD
Per Month:	299.13 USD

Cost Scaling

Cost Optimization

Cost Comparison