



Azure Saturday 2019

Reagire agli eventi generati dalla propria
infrastruttura con Azure Monitor

Marco Obinu - @OmegaMadLab

Marco Obinu

- Advisory Engineer @ Softjam S.p.A.
- Geek fino al midollo ☺



@OmegaMadLab



marco.obinu@omegamadlab.com



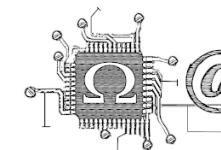
<http://www.omegamadlab.com>



<https://github.com/OmegaMadLab>



<https://www.linkedin.com/in/marco-obinu-omegamadlab/>



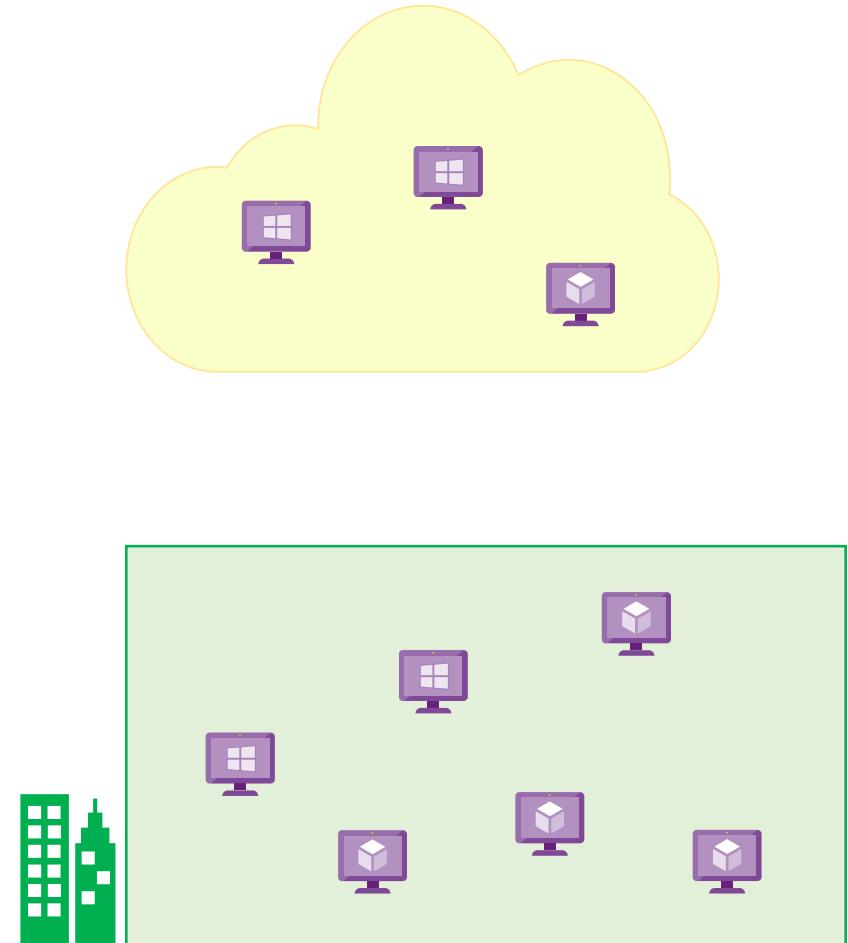
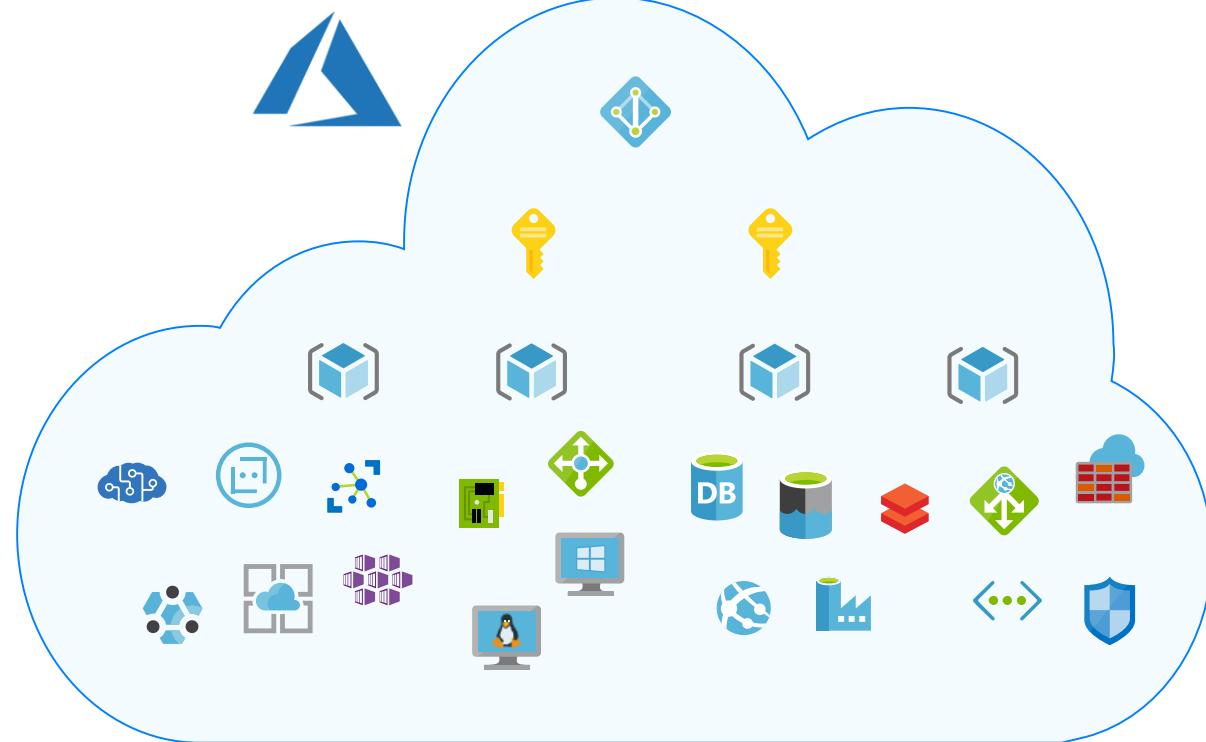
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Agenda

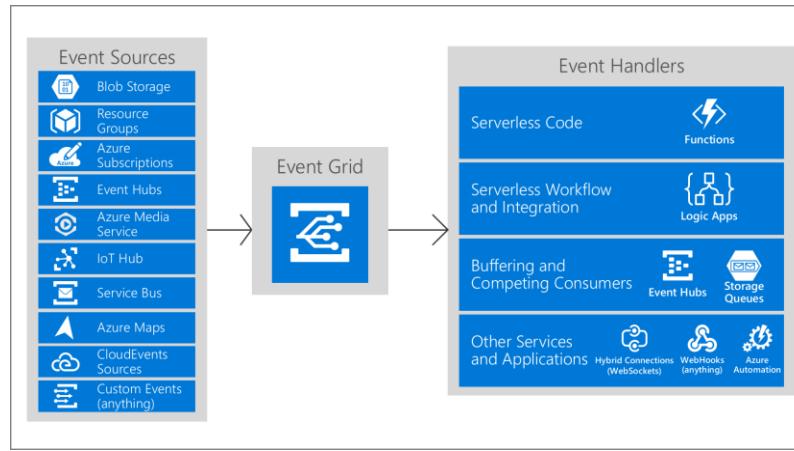
- La gestione degli eventi e log in Azure
- Azure Monitor
- Serverless automation

Gestione dei log e degli eventi in Azure

La potenza è nulla senza controllo



Differenti approcci



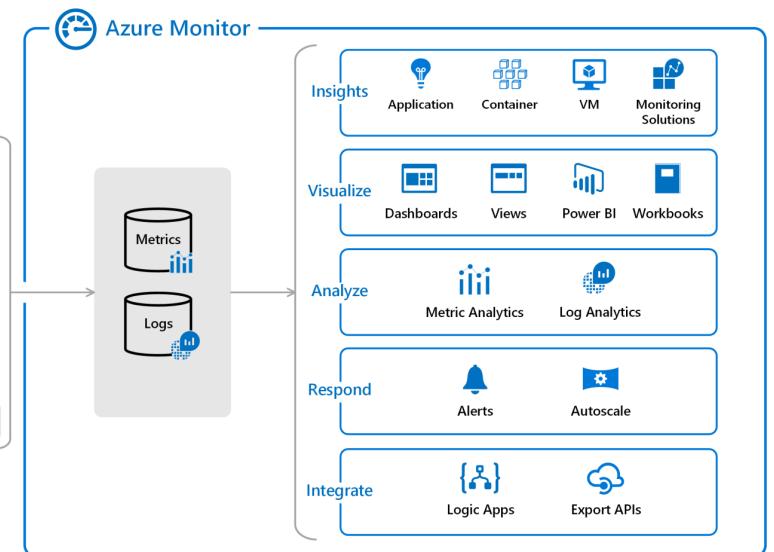
Reattivo e proattivo

Reattivo



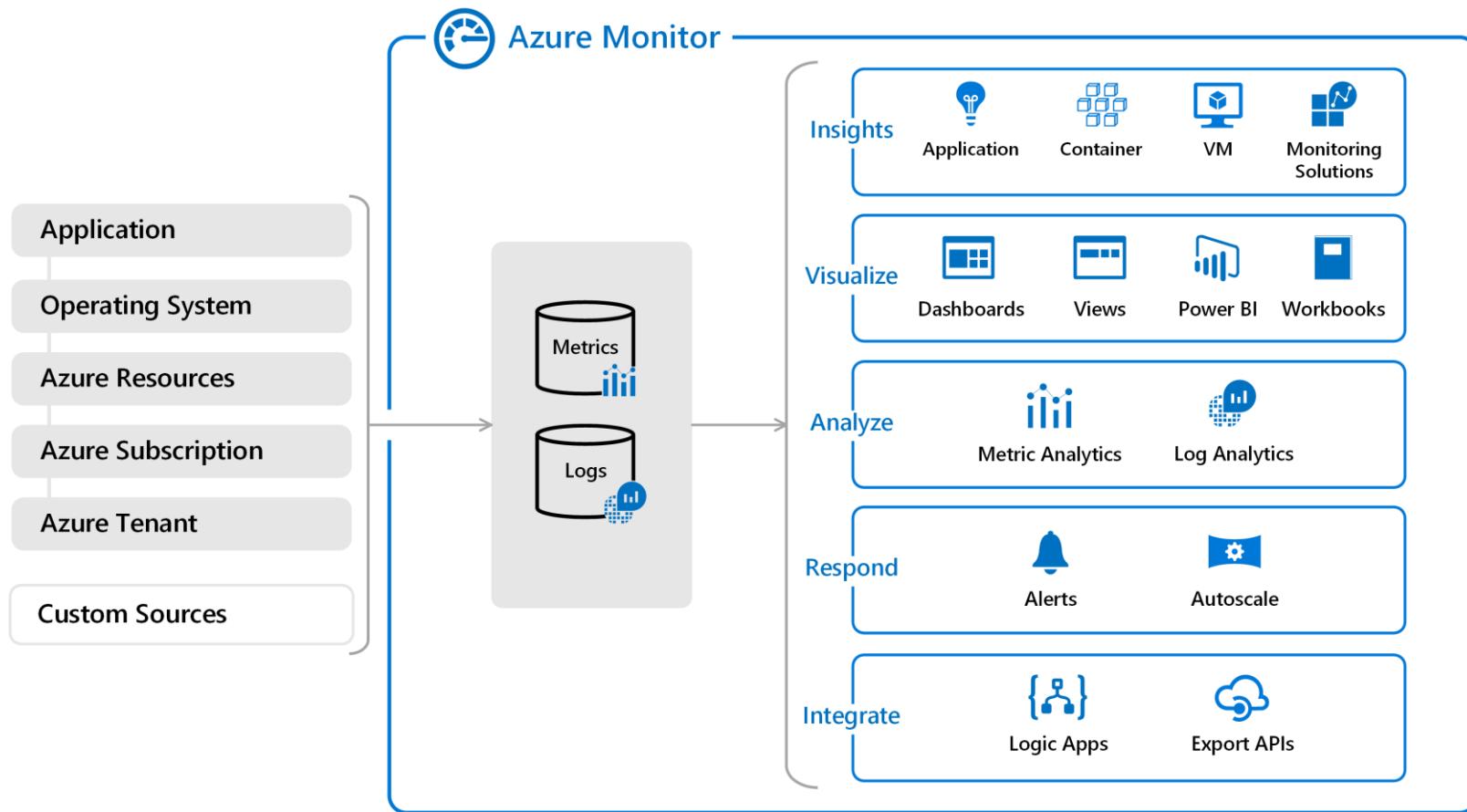
Reattivo

Application
Operating System
Azure Resources
Azure Subscription
Azure Tenant
Custom Sources

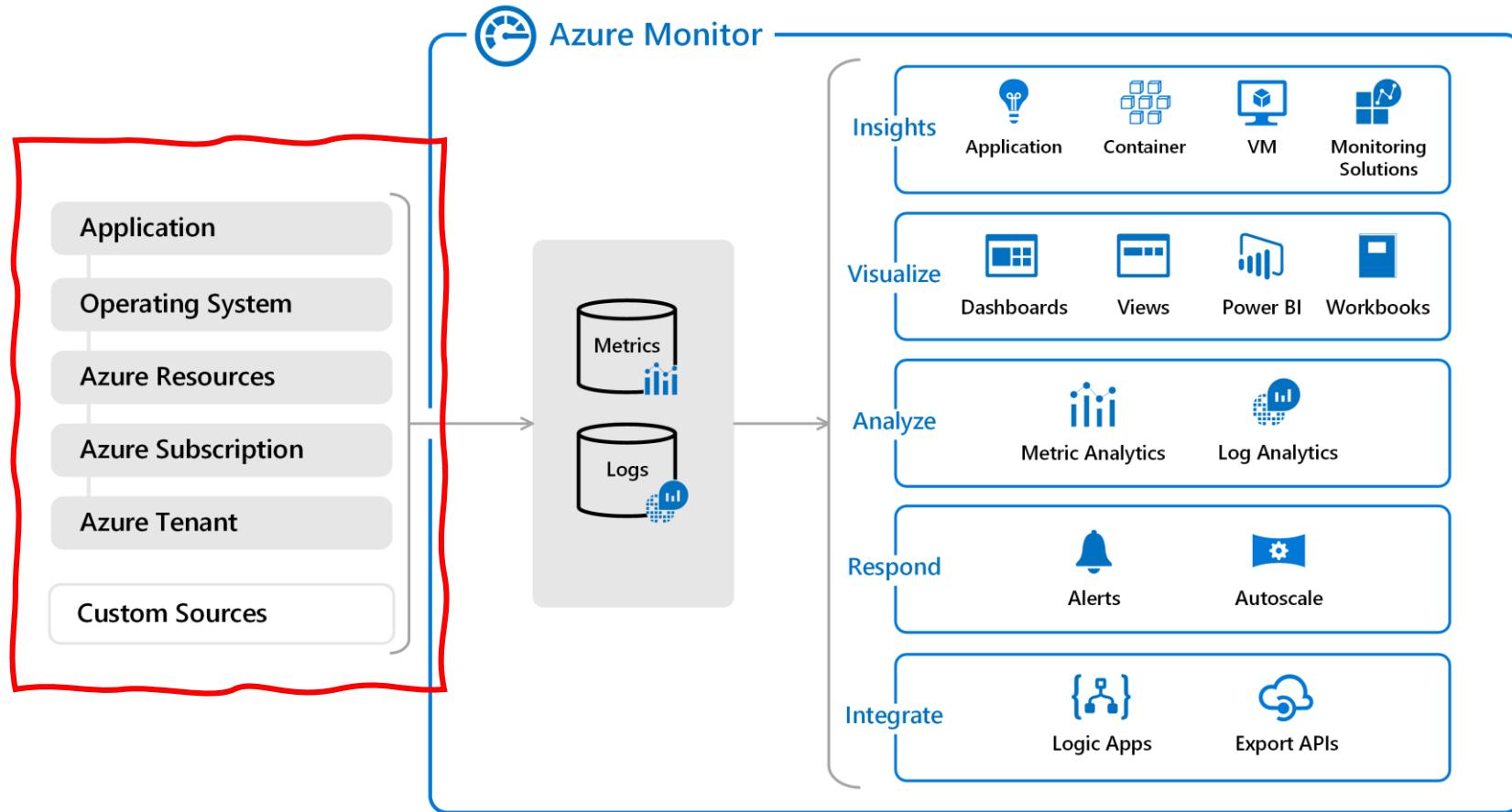


Azure Monitor

Azure Monitor



Alimentazione



- [Create a resource](#)
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- [Dashboard](#)
- [All services](#)
- [FAVORITES](#)
- [Resource groups](#)
- [All resources](#)
- [Recent](#)
- [App Services](#)
- [Virtual machines \(classic\)](#)
- [Virtual machines](#)
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Home > Resource groups > AzureMonitorDemo

AzureMonitorDemo

Resource group

Search (Ctrl+ /)

Add Edit columns Delete resource group Refresh Move Export to CSV Assign tags Delete Export template

Subscription (change) : SOFTJAM - Laboratori GE-MI-RM 2018 Partner Deployments : 9 Succeeded

Subscription ID : bf51af6a-bb5b-4406-b067-3eb3a401281b

Tags (change) : Click here to add tags

Filter by name... All types All locations No grouping

25 items Show hidden types

	NAME	TYPE	LOCATION	...
<input type="checkbox"/>	adAvailabilitySet	Availability set	West Europe	...
<input type="checkbox"/>	adBDC	Virtual machine	West Europe	...
<input type="checkbox"/>	adBDC_data-disk1	Disk	West Europe	...
<input type="checkbox"/>	adBDC_osdisk	Disk	West Europe	...
<input type="checkbox"/>	adBDCNic	Network interface	West Europe	...
<input type="checkbox"/>	ad-lb-pip	Public IP address	West Europe	...
<input type="checkbox"/>	adLoadBalancer	Load balancer	West Europe	...
<input type="checkbox"/>	adPDC	Virtual machine	West Europe	...
<input type="checkbox"/>	adPDC_data-disk1	Disk	West Europe	...
<input type="checkbox"/>	adPDC_OSDisk	Disk	West Europe	...
<input type="checkbox"/>	adPDCNic	Network interface	West Europe	...
<input type="checkbox"/>	adVNET	Virtual network	West Europe	...

Azure services [See all \(100+\)](#)[Create a resource >](#)Virtual
machines

App Services

Storage
accounts

SQL databases

Azure Database
for PostgreSQLAzure Cosmos
DBKubernetes
services

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NAME	TYPE	LAST VIEWED
 log-analytics-demo-78650	Log Analytics workspace	Just now
 AzureMonitorDemo	Resource group	24 min ago
 Demo-SQLLINUXVM1	Virtual machine	3 h ago
 adVNET	Virtual network	15 h ago
 adPDC	Virtual machine	16 h ago
 SOFTJAM - Laboratori GE-MI-RM 2018 Par...	Subscription	1 d ago
 csbbf51af6abb5bx4406xb06	Storage account	2 mo ago
 cloud-shell-storage-westeurope	Resource group	2 mo ago
 AC-SQL-N01	Virtual machine	3 mo ago

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- [!\[\]\(022f85fbc232fe05473d290ffdcd27fc_img.jpg\) Create a resource](#)
- [!\[\]\(f0cb329cfe08226b7cb89b09d2e7a8ad_img.jpg\) Home](#)
- [!\[\]\(a8f275fefb8ce6180a3e43e90eb7c99c_img.jpg\) Dashboard](#)
- [!\[\]\(97b4180225e7f86723979a8938ec7eda_img.jpg\) All services](#)
- FAVORITES**
- [!\[\]\(ef343d03cf19c724d9c75e4aa5e03574_img.jpg\) All resources](#)
- [!\[\]\(a03e4a960c348dec5f6a11d1ade8234a_img.jpg\) Resource groups](#)
- [!\[\]\(0c6510acb57a251f65e1df6d5445f943_img.jpg\) App Services](#)
- [!\[\]\(0f13ff015ed0487c5d029303f2bd24f1_img.jpg\) SQL databases](#)
- [!\[\]\(af1196af922d5f963cadf28ecb4c3318_img.jpg\) Azure Cosmos DB](#)
- [!\[\]\(df7c3c374f664f489f28f58bb3923b5c_img.jpg\) Virtual machines](#)
- [!\[\]\(f45ab30e2bf8190363e33d7ee1a25c67_img.jpg\) Load balancers](#)
- [!\[\]\(bdd3fa98e55aa659946ceba0c69751a2_img.jpg\) Storage accounts](#)
- [!\[\]\(31ec24b9668b89a43cfea532314a47dc_img.jpg\) Virtual networks](#)
- [!\[\]\(1ea71752c7757bc3afae67104a144db1_img.jpg\) Azure Active Directory](#)
- [!\[\]\(9cdb7fbef1186c59947b4deaa2553579_img.jpg\) Monitor](#)
- [!\[\]\(c40adfdac48605426e3ce6eb61870cb8_img.jpg\) Advisor](#)
- [!\[\]\(9483f38aace363b1d94366160cf9ff0e_img.jpg\) Security Center](#)
- [!\[\]\(347763ea74cc152d5966f1a36f9468e5_img.jpg\) Cost Management + Billing](#)
- [!\[\]\(d120ee4c627f3be968d0956e7c766c8f_img.jpg\) Help + support](#)
- [!\[\]\(1643e43db6fa98339059baab13a28b43_img.jpg\) Azure AD Domain Services](#)
- [!\[\]\(6fcd2e03b74869be3d9620ca1c939cc2_img.jpg\) Log Analytics workspaces](#)

Azure services [See all \(100+\)](#) [Create a resource >](#)

[!\[\]\(e9b39248487d5213c295d272578e4234_img.jpg\) Virtual machines](#)[!\[\]\(3e48acfe78b7158655caf828b3a39d86_img.jpg\) App Services](#)[!\[\]\(1da7092a7e45cf36ed94217841535ae3_img.jpg\) Storage accounts](#)[!\[\]\(cc07f8d3215e993d9867b89a99f56db9_img.jpg\) SQL databases](#)[!\[\]\(774e1f6119078522a572d391acae4f52_img.jpg\) Azure Database for PostgreSQL](#)[!\[\]\(d0ad233e20354b0d174994eaa6bf13c0_img.jpg\) Azure Cosmos DB](#)[!\[\]\(f81e5fc84506a23bd8cd404b0abd6388_img.jpg\) Kubernetes services](#)[!\[\]\(9316b1b88a093265e51c70a69a489e9d_img.jpg\) Function App](#)

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NAME	TYPE	LAST VIEWED
 csbbf51af6abb5bx4406xb06	Storage account	2 mo ago
 cloud-shell-storage-westeurope	Resource group	2 mo ago
 SOFTJAM - Laboratori GE-MI-RM 2018 Par...	Subscription	6 mo ago
 cloud-shell-storage-eastus	Resource group	8 mo ago

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5

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Virtual machines

SQL databases

Cloud services (classic)

Security Center

Subscriptions

Azure Active Directory

Monitor

Cost Management + Billing

Help + support

Advisor

Log Analytics workspaces

Home > Resource groups > AzureMonitorDemo

AzureMonitorDemo

Resource group

Search (Ctrl+ /)

Add Edit columns Delete resource group Refresh Move Export to CSV Assign tags Delete Export template

Subscription (change) : SOFTJAM - Laboratori GE-MI-RM 2018 Partner Deployments : 19 Succeeded

Subscription ID : bf51af6a-bb5b-4406-b067-3eb3a401281b

Tags (change) : Click here to add tags

Overview Activity log Access control (IAM) Tags Events

Filter by name... All types All locations No grouping

1 of 36 items selected Show hidden types

<input type="checkbox"/>	NAME ↑↓	TYPE ↑↓	LOCATION ↑↓
<input type="checkbox"/>	adAvailabilitySet	Availability set	West Europe
<input type="checkbox"/>	adBDC	Virtual machine	West Europe
<input type="checkbox"/>	adBDC_data-disk1	Disk	West Europe
<input type="checkbox"/>	adBDC_osdisk	Disk	West Europe
<input type="checkbox"/>	adBDCNic	Network interface	West Europe
<input type="checkbox"/>	ad-lb-pip	Public IP address	West Europe
<input type="checkbox"/>	adLoadBalancer	Load balancer	West Europe
<input type="checkbox"/>	adPDC	Virtual machine	West Europe
<input type="checkbox"/>	adPDC_data-disk1	Disk	West Europe
<input type="checkbox"/>	adPDC_OSDisk	Disk	West Europe
<input type="checkbox"/>	adPDCNic	Network interface	West Europe
<input type="checkbox"/>	adVNET	Virtual network	West Europe
<input type="checkbox"/>	AppServiceDemo	App Service plan	West Europe

Redirezione log risorse Azure

Azure services See all (100+) > Create a resource >

Virtual
machines

App Services

Storage
accounts

SQL databases

Azure Database
for PostgreSQLAzure Cosmos
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NAME	TYPE	LAST VIEWED
webappdemo9545551	App Service	3 min ago
log-analytics-demo-78650	Log Analytics workspace	43 min ago
Demo-WINVM2	Virtual machine	1 h ago
AzureMonitorDemo	Resource group	1 h ago
Demo-WINVM1	Virtual machine	11 h ago
DemoDB (azsqlsrv2148822/DemoDB)	SQL database	11 h ago
SOFTJAM - Laboratori GE-MI-RM 2018 Par...	Subscription	1 d ago
Demo-SQLWINVM1	Virtual machine	2 d ago
Demo-LINUXVM1	Virtual machine	3 d ago
adPDC	Virtual machine	3 d ago
adBDC	Virtual machine	3 d ago
DemoApplicationInsights	Application Insights	3 d ago

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Live Demo

- Abilitazione log VM
- Recupero dati da storage account
- Abilitazione log VM non-Azure

- [!\[\]\(d7e22d459867f3f887fb3c42581119ab_img.jpg\) Create a resource](#)
- [!\[\]\(947ad1b7f95c80ac69287dc11b455b2e_img.jpg\) Home](#)
- [!\[\]\(04cd826c072c78295872c11af675694f_img.jpg\) Dashboard](#)
- [!\[\]\(1729fa725c4a237b39a0c5f48deb6cc4_img.jpg\) All services](#)
- [!\[\]\(5cdaa3da5a2647adec3a82c4cbd00608_img.jpg\) FAVORITES](#)
- [!\[\]\(4c9e221191b1ebf63fde8173f30950a4_img.jpg\) Resource groups](#)
- [!\[\]\(134b4996ceca3161e8b2351260c58e92_img.jpg\) All resources](#)
- [!\[\]\(a03870e6a3ae4c36f3e10462241fdc62_img.jpg\) Recent](#)
- [!\[\]\(1facd3df73e17191d1bef7552e652048_img.jpg\) App Services](#)
- [!\[\]\(285c8e703300da082bebd0828ca85d36_img.jpg\) Virtual machines \(classic\)](#)
- [!\[\]\(4b9e1ac9d370ae659cbf15bd4370b862_img.jpg\) Virtual machines](#)
- [!\[\]\(962e0d556d015b11d5fa59ab463da1e8_img.jpg\) SQL databases](#)
- [!\[\]\(23b5d7a30f4c68a0bb31cf27a6a5312c_img.jpg\) Cloud services \(classic\)](#)
- [!\[\]\(00119a597e98bf6ebed02826c5f4f7a4_img.jpg\) Security Center](#)
- [!\[\]\(6b78833fddc2622a6e58490bb9a4974d_img.jpg\) Subscriptions](#)
- [!\[\]\(eaf60f1cb57e6d8a5331b80e55691f5a_img.jpg\) Azure Active Directory](#)
- [!\[\]\(e3cf4b2116b1572343294dbbc9f499a2_img.jpg\) Monitor](#)
- [!\[\]\(dbbdc7343a72d2144c9408c8f9b81617_img.jpg\) Cost Management + Billing](#)
- [!\[\]\(516abf999542fda3f4e0fc03edc4a8bf_img.jpg\) Help + support](#)
- [!\[\]\(810d754709ca911a91f723caba9a68d8_img.jpg\) Advisor](#)
- [!\[\]\(13152750e4b9c7b40df7c38d4806a8bc_img.jpg\) Log Analytics workspaces](#)

Demo-SQLWINVM1

Virtual machine

 Search (Ctrl+/)[Connect](#) [Start](#) [Restart](#) [Stop](#) [Capture](#) [Delete](#) [Refresh](#)

 Advisor (1 of 3): Enable virtual machine replication to protect your applications from regional outage →

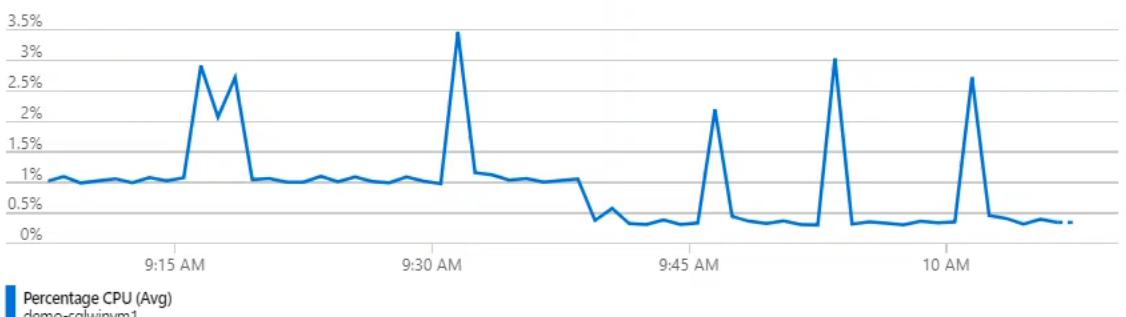
Resource group (change)	:	AzureMonitorDemo	Computer name	:	Demo-SQLWINVM1
Status	:	Running	Operating system	:	Windows (Windows Server 2016 Datacenter)
Location	:	West Europe	Size	:	Standard B2s (2 vcpus, 4 GiB memory)
Subscription (change)	:	SOFTJAM - Laboratori GE-MI-RM 2018 Partner	Ephemeral OS disk	:	N/A
Subscription ID	:	bf51af6a-bb5b-4406-b067-3eb3a401281b	Public IP address	:	40.115.29.138
			Private IP address	:	10.0.1.6
			Virtual network/subnet	:	adVNET/ServerSubnet
			DNS name	:	Configure

Tags (change) [Click here to add tags](#)

Show data for last:

[1 hour](#) [6 hours](#) [12 hours](#) [1 day](#) [7 days](#) [30 days](#)

CPU (average)



Come uniformare le configurazioni?

- DevOps
- Implementazioni serverless event-driven
- Azure Policy



Azure services

[See all \(100+\)](#) > [Create a resource](#) >Virtual
machines

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NAME	TYPE	LAST VIEWED
 SOFTJAM - Laboratori GE-MI-RM 2018 Par...	Subscription	19 min ago
 DemoDB (azsqlsrv2148822/DemoDB)	SQL database	1 d ago
 Demo-SQLWINVM1	Virtual machine	1 d ago
 AzureMonitorDemo	Resource group	1 d ago
 Demo-LINUXVM1	Virtual machine	2 d ago
 Demo-WINVM1	Virtual machine	2 d ago
 adPDC	Virtual machine	2 d ago
 adBDC	Virtual machine	2 d ago
 DemoApplicationInsights	Application Insights	2 d ago
 log-analytics-demo-78650	Log Analytics workspace	3 d ago
 ServerSubnet-NSG	Network security group	3 d ago
 adVNET	Virtual network	3 d ago

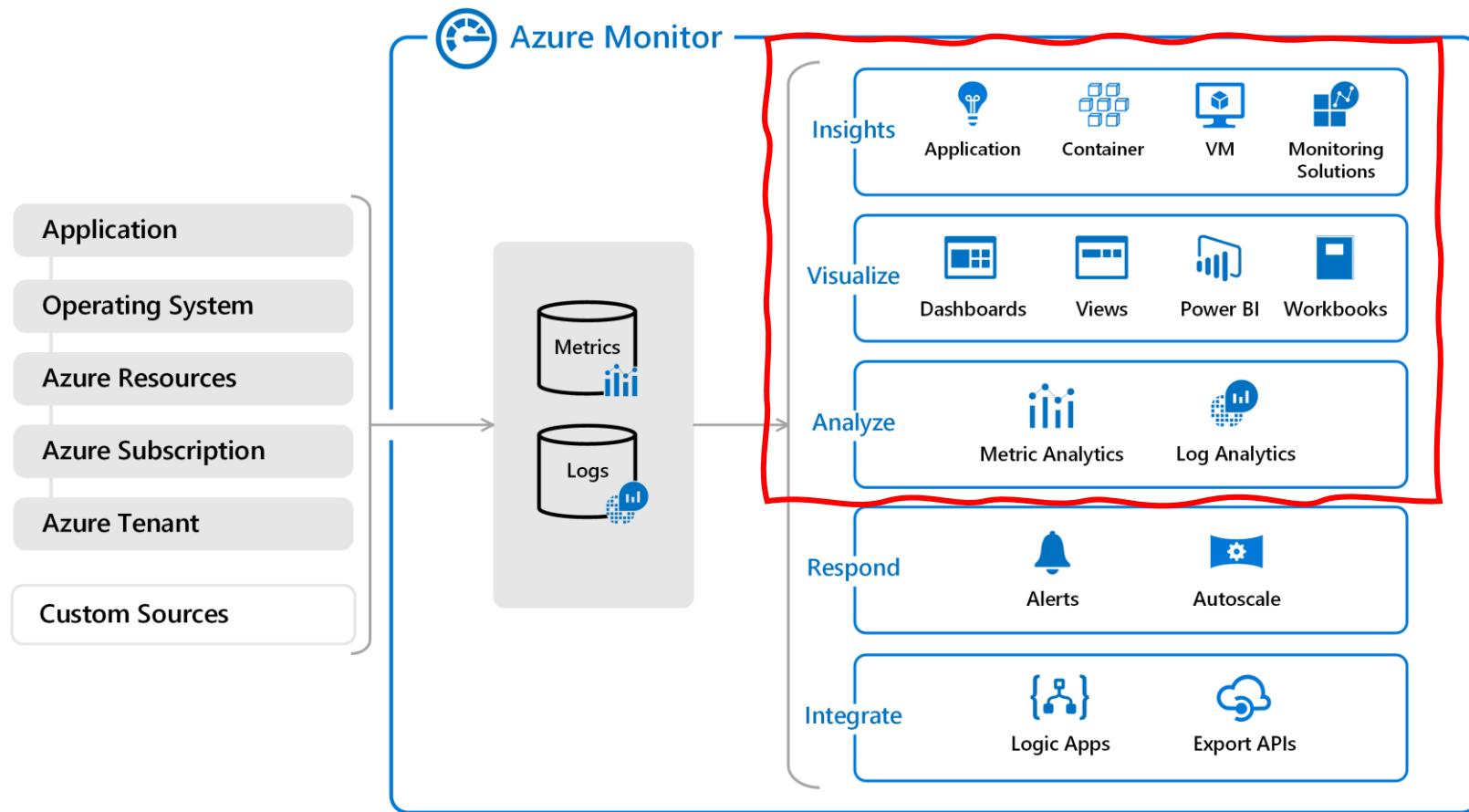
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Analisi e visualizzazione



Live Demo

- Analisi metriche
- Log query
- Solutions
- Workbooks

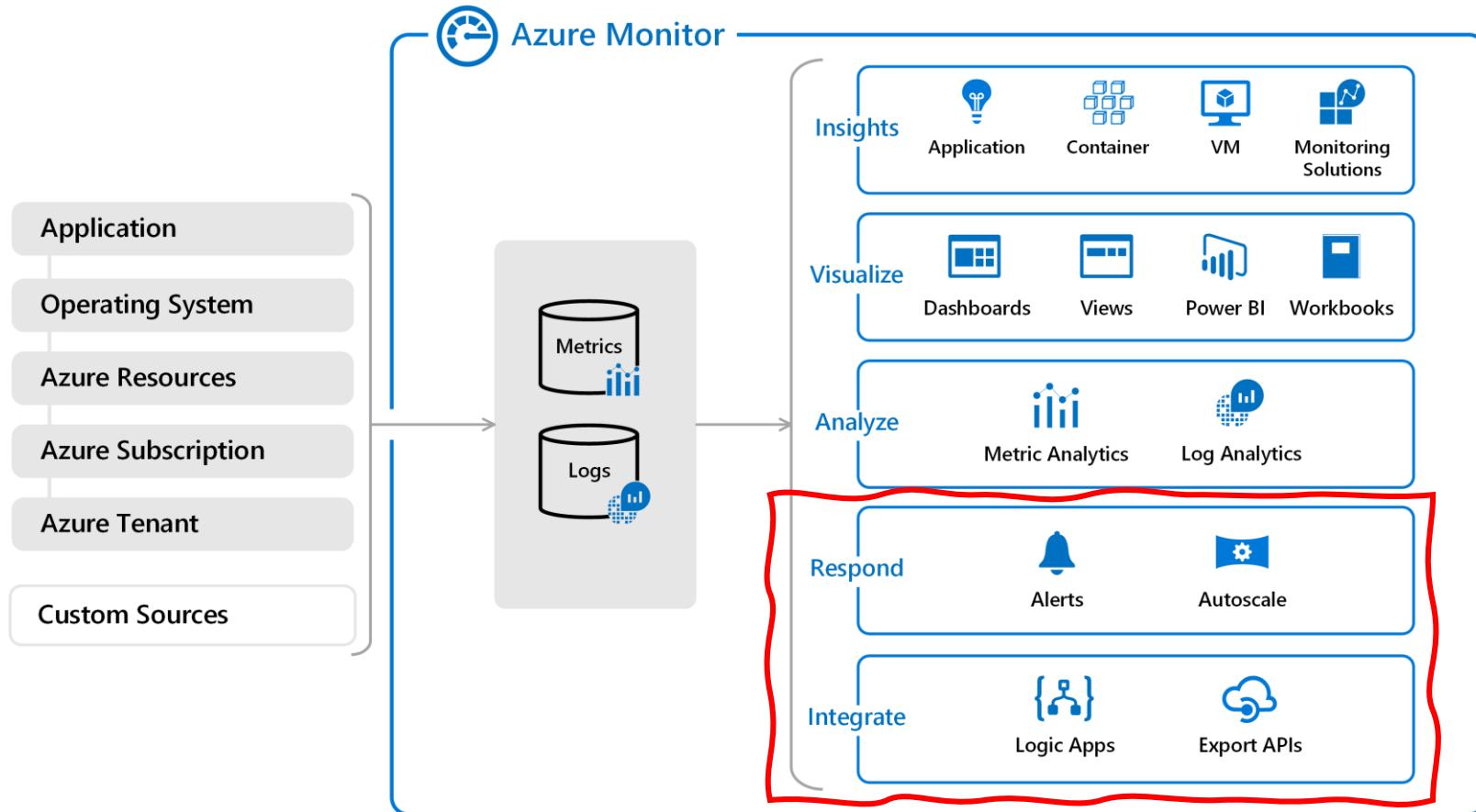
KQL cheat sheet

Description	SQL Query	Azure Monitor log query
Select all data from a table	SELECT * FROM dependencies	dependencies
Select specific columns from a table	SELECT name, resultCode FROM dependencies	dependencies project name, resultCode
Select 100 records from a table	SELECT TOP 100 * FROM dependencies	dependencies take 100
String comparison: equality	SELECT * FROM dependencies WHERE name = "abcde"	dependencies where name == "abcde"
String comparison: substring	SELECT * FROM dependencies WHERE name like "%bcd%"	dependencies where name contains "bcd"

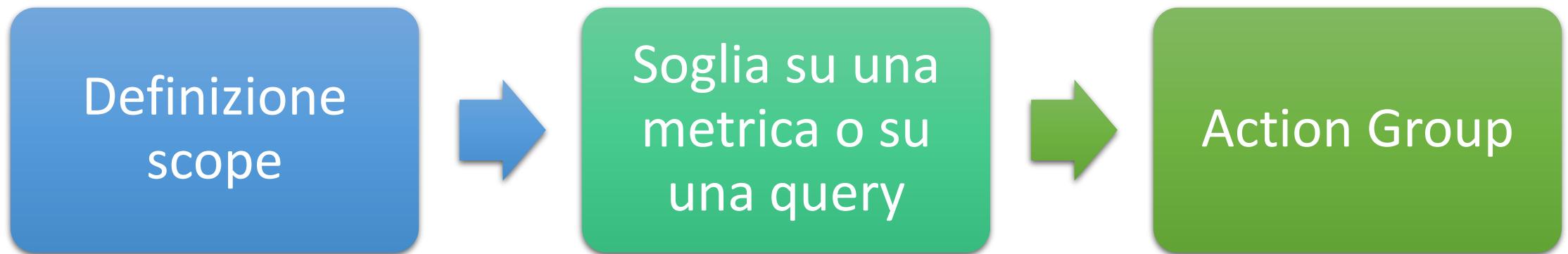
SQL → <https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/sql-cheatsheet>

Splunk → <https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/splunk-cheatsheet>

Reazione



Alerts



Live Demo

- Creazione alert
- Alcuni esempi d'uso

Common alert schema

```
{  
  "schemaId": "azureMonitorCommonAlertSchema",  
  "data": {  
    "essentials": {  
      "alertId": "/subscriptions/<subscription ID>/providers/Microsoft.AlertsManagement/alerts/b9569717-bc32-442f-add5-83a997729330",  
      "alertRule": "WCUS-R2-Gen2",  
      "severity": "Sev3",  
      "signalType": "Metric",  
      "monitorCondition": "Resolved",  
      "monitoringService": "Platform",  
      "alertTargetIds": [  
        "/subscriptions/<subscription ID>/resourcegroups/pipelinealtrg/providers/microsoft.compute/virtualmachines/wcus-r2-gen2"  
      ],  
      "originAlertId": "3f2d4487-b0fc-4125-8bd5-7ad17384221e_PipeLineAlertRG_microsoft.insights_metricAlerts_WCUS-R2-Gen2_-117781227",  
      "firedDateTime": "2019-03-22T13:58:24.3713213Z",  
      "resolvedDateTime": "2019-03-22T14:03:16.2246313Z",  
      "description": "",  
      "essentialsVersion": "1.0",  
      "alertContextVersion": "1.0"  
    },  
    "alertContext": {  
      "properties": null,  
      "conditionType": "SingleResourceMultipleMetricCriteria",  
      "condition": {  
        "windowSize": "PT5M",  
        "allOf": [  
          {  
            "metricName": "Percentage CPU",  
            "metricNamespace": "Microsoft.Compute/virtualMachines",  
            "operator": "GreaterThan",  
            "threshold": "25",  
            "timeAggregation": "Average",  
            "dimensions": [  
              {  
                "name": "ResourceId",  
                "value": "3efad9dc-3d50-4eac-9c87-8b3fd6f97e4e"  
              }  
            ],  
            "metricValue": 7.727  
          }  
        ]  
      }  
    }  
  }  
}
```

Hint: usate un servizio come RequestBin! 😊

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Search resources, services, and docs (G+/)

20+ ? ☺ m.obinu@softjam.it DEFAULT DIRECTORY (AASJGOLD...)

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[Help + support](#)

[Advisor](#)

[Log Analytics workspaces](#)

[Application Insights](#)

[Policy](#)

Home > Virtual machines > Demo-WINVM2

Demo-WINVM2

Virtual machine

Search (Ctrl+ /)

Connect Start Restart Stop Capture Delete Refresh

We recently resolved a problem with your virtual machine.

Resource group (change) : AzureMonitorDemo Computer name : Demo-WINVM2

Status : Running Operating system : Windows (Windows Server 2016 Datacenter)

Location : West Europe Size : Standard B2s (2 vcpus, 4 GiB memory)

Subscription (change) : SOFTJAM - Laboratori GE-MI-RM 2018 Partner Ephemeral OS disk : N/A

Subscription ID : bf51af6a-bb5b-4406-b067-3eb3a401281b Public IP address : 40.118.86.40

Tags (change) : maintenance : true Private IP address : 10.0.1.7

Virtual network/subnet : adVNET/ServerSubnet DNS name : Configure

Show data for last: 1 hour 6 hours 12 hours 1 day 7 days 30 days

CPU (average)

Network (total)

Alert con Azure Function

Microsoft Azure

Search resources, services, and docs (G+/)

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DEFAULT DIRECTORY (AASJGOLD...)

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Subscriptions

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Log Analytics workspaces

Application Insights

Policy

Home > Virtual machines > Demo-WINVM2

Demo-WINVM2

Virtual machine

Search (Ctrl+ /)

Connect Start Restart Stop Capture Delete Refresh

Resource group (change) : AzureMonitorDemo Computer name : Demo-WINVM2

Status : Running Operating system : Windows (Windows Server 2016 Datacenter)

Location : West Europe Size : Standard B2s (2 vcpus, 4 GiB memory)

Subscription (change) : SOFTJAM - Laboratori GE-MI-RM 2018 Partner Ephemeral OS disk : N/A

Subscription ID : bf51af6a-bb5b-4406-b067-3eb3a401281b Public IP address : 52.142.255.83

Tags : maintenance : true Private IP address : 10.0.1.7

Virtual network/subnet : adVNET/ServerSubnet DNS name : Configure

Tags (change) : maintenance : true

Show data for last: 1 hour 6 hours 12 hours 1 day 7 days 30 days

CPU (average)

Percentage CPU (Avg) demo-winvm2

Network (total)

Network In Total (Sum) demo-winvm2

Network Out Total (Sum) demo-winvm2

File Edit View Tools Debug Add-ons Help



```
Untitled1.ps1* X
75 $HybridGroupName = "AzureMonitorDemo" # Assing a name to the group
76 $subscriptionId = "bf51af6a-bb5b-4406-b067-3eb3a401281b" # Insert your subs ID
77 $workspaceName = "log-analytics-demo-78650" # Insert the Log Analytics workspace name
78
79 New-OnPremiseHybridWorker.ps1 -AutomationAccountName $automationAccountName -AAResourceGroupName $ResourceGroupName -HybridGroupName $HybridGroupName
80
81 # Simulate disk full for excessive log files
82 New-Item -ItemType Directory -Path "C:\LogFiles"
83
84 $f = New-Object System.IO.FileStream "C:\LogFiles\oldLog.txt", Create, ReadWrite
85 $f.SetLength(10GB)
86 $f.Close()
87 (Get-Item -Path "C:\LogFiles\oldLog.txt").CreationTime = (Get-Date).AddMonths(-2)
88 (Get-Item -Path "C:\LogFiles\oldLog.txt").LastAccessTime = (Get-Date).AddMonths(-2)
89 (Get-Item -Path "C:\LogFiles\oldLog.txt").LastWriteTime = (Get-Date).AddMonths(-2)
90
91 $f = New-Object System.IO.FileStream "C:\LogFiles\newLog.txt", Create, ReadWrite
92 $f.SetLength(2GB)
93 $f.Close()
94
95
96
```

```
-a---- 10/9/2019 2:08 PM 2147483648 newLog.txt
-a---- 8/9/2019 10:07 AM 10737418240 oldLog.txt
```

```
PS C:\LogFiles> $LogFiles = Get-Item -Path "C:\LogFiles"
```

```
PS C:\LogFiles> $LogFiles
```

```
    Directory: C:\
```

Mode	LastWriteTime	Length	Name
d----	10/9/2019 2:08 PM	-----	LogFiles

```
PS C:\LogFiles> $LogFiles = Get-ChildItem -Path "C:\LogFiles"
```

```
PS C:\LogFiles> $LogFiles[0]
```

```
    Directory: C:\LogFiles
```

Commands X

Modules: All Refresh

Name:

A:

- Add-ADCentralAccessPolicyMember
- Add-ADComputerServiceAccount
- Add-ADDomainControllerPasswordReplicationPolicy
- Add-ADFineGrainedPasswordPolicySubject
- Add-ADGroupMember
- Add-ADPrincipalGroupMembership
- Add-ADResourcePropertyListMember
- Add-AppClientConnectionGroup
- Add-AppClientPackage
- Add-AppvPublishingServer
- Add-AppxPackage
- Add-AppxProvisionedPackage
- Add-AppxVolume
- Add-AzureAnalysisServicesAccount
- Add-AzureKeyVaultCertificate
- Add-AzureKeyVaultCertificateContact
- Add-AzureKeyVaultKey
- Add-AzureKeyVaultManagedStorageAccount
- Add-AzureRmADGroupMember
- Add-AzureRmApiManagementApiToProduct
- Add-AzureRmApiManagementProductToGroup
- Add-AzureRmApiManagementRegion
- Add-AzureRmApiManagementUserToGroup
- Add-AzureRmApplicationGatewayAuthenticationCertificate
- Add-AzureRmApplicationGatewayBackendAddressPool
- Add-AzureRmApplicationGatewayBackendHttpSettings
- Add-AzureRmApplicationGatewayCustomError
- Add-AzureRmApplicationGatewayFrontendIPConfig
- Add-AzureRmApplicationGatewayFrontendPort
- Add-AzureRmApplicationGatewayHttpListener

Run

Insert

Copy

Microsoft Azure

Search resources, services, and docs (G+)

3 ? ☺ m.obinu@softjam.it DEFAULT DIRECTORY (AASJGOLD...)

Home > SQL databases > DemoDB (azsqlsrv2148822/DemoDB)

SQL databases

Default Directory (aasjgoldsoftjam.onmicrosoft.com)

+ Add Reservations More

Try our new Azure SQL resource browser! This experience offers a unified view of all your SQL Server resources in Azure as well as improved sorting and filtering. Click here to go to the new experience.

Filter by name...

NAME ↑↓

DemoDB (azsqlsrv2148822/...)

DemoDB (azsqlsrv2148822/DemoDB) SQL database

Search (Ctrl+)

Copy Restore Export Set server firewall Delete Connect with... Feedback

Resource group (change)
AzureMonitorDemo

Status
Online

Location
West Europe

Subscription (change)
SOFTJAM - Laboratori GE-MI-RM 2018 Partner

Subscription ID
bf51af6a-bb5b-4406-b067-3eb3a401281b

Tags (change)
Click here to add tags

Server name
azsqlsrv2148822.database.windows.net

Elastic pool
No elastic pool

Connection strings
Show database connection strings

Pricing tier
Basic

Oldest restore point
2019-10-03 00:00 UTC

Show data for last: 1 hour 24 hours 7 days

Compute utilization

View: Max

DTU percentage (Max)
azsqlsrv2148822/demodb
22 %

10 PM 10:15 PM 10:30 PM 10:45 PM

Scale-up automatico di Azure SQL DB via Azure Function in funzione del consumo % DTU

Monitoraggio costi

- Usage and estimated costs:
 - A livello di Azure Monitor
 - A livello di Workspace → Retention, Daily Cap
 - A livello di AppInsight → Retention, Data Sampling, Daily Cap

* Subscription  * Meter Category  * Meter Name 

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The table below shows estimated monthly costs* for monitoring features based on the last 31 days usage.

Filter subscription names, categories or types

SUBSCRIPTION NAME	METER CATEGORY	METER NAME	PRICE	MONTHLY USAGE	ESTIMATED MONTHLY COST*
SOFTJAM - Laboratori GE-MI-...	Shared Services	Data Ingestion (EU West)	€2.52	1.52 GB	€3.83
SOFTJAM - Laboratori GE-MI-...	Network Watcher	Diagnostic Tool API	€0.0008	1.00 check(s)	€0.0008
SOFTJAM - Laboratori GE-MI-...	Alert	System Log Monitored at 15 ...	€0.42	0.001	€0.0004
SOFTJAM - Laboratori GE-MI-...	Alert	System Log Monitored at 5 M...	€1.26	0.01	€0.01
SOFTJAM - Laboratori GE-MI-...	Notifications	Email	€0.00002	52.00 email(s)	€0.001
Your estimated monthly total					€3.85
* Estimates do not include any free units which may be applicable because these are applied at the per-customer level, not per-subscription. Learn more about the Azure Monitor pricing and included free units. The estimates also do not include taxes which may be applied.					

Risorse utili



Qualche link...

- Demo: <https://github.com/OmegaMadLab/AzureMonitorDemo>
- Documentazione ufficiale: <https://docs.microsoft.com/en-us/azure/azure-monitor/>
- RequestBin: <https://requestbin.com/>
- Template per Azure Policy: <https://github.com/tyconsulting/azurepolicy/tree/master/arm-templates/diagnostic-settings>

Grazie!

