

# BindPlane for Microsoft Azure Monitor

# What we do

## Monitoring Data Acquisition

We connect monitoring and analytic engines to customer IT stacks



### Agentless

Always on, always updated, API-based



### Dimensional data

Exploit deeper visibility and relational “dimensionality”



### Make Monitoring better

Our integrations enhance monitoring engines, not replace them



### Pure data

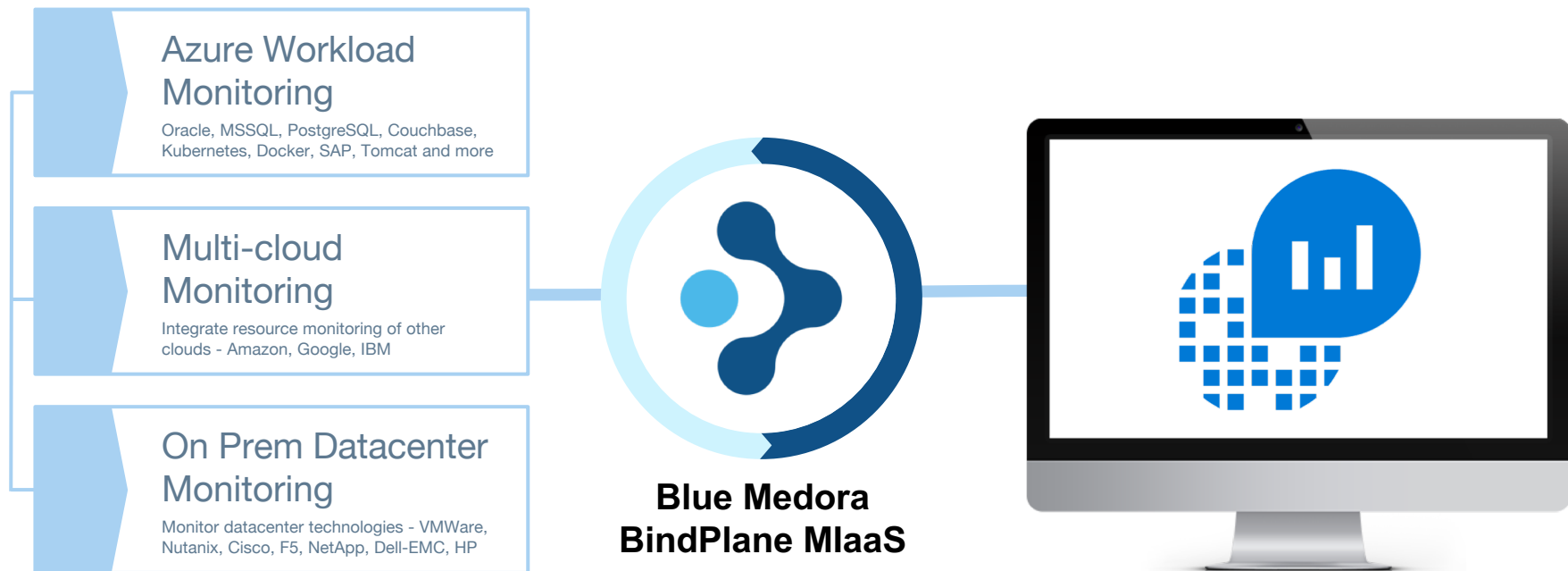
We only deliver high quality data to enable advanced analytics



### Seamless

Monitor more things for more customers with no impact to experience

# Widening Azure Monitor / Log Analytics with a single integration...



**~200+ enterprise  
technologies in 2018**

# Our Value



## Rapid Root Cause Analysis

Empower customers to move past symptoms to quickly find the root cause.



## Simplify Tools

Full visibility in Azure Monitor allows clear concise remediation of issues.



## Proactive Problem Resolution

Shift from reactive to proactive approach to management and monitoring.

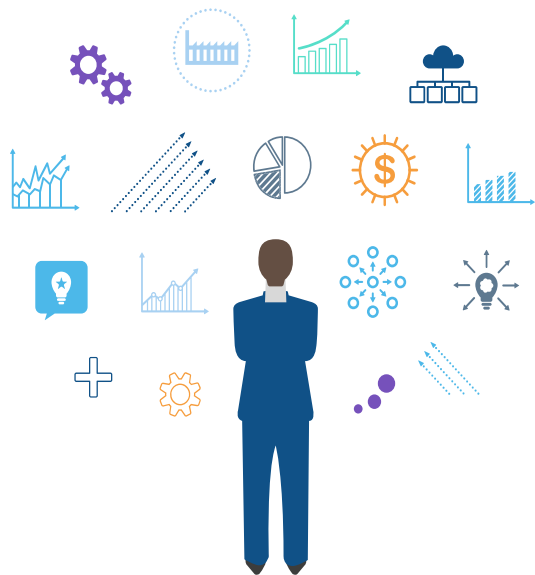



## Expand Monitoring to Azure Workloads


Leverage the strength of the Microsoft Azure Monitor, Application and Workload Insights with the breadth of data providers from Blue Medora BindPlane



# The best tool is the one you already love



 You've got the data.

 You've got the technology

## Full stack visibility

01

Install the agentless collector



02

Select the key technologies running in your stack

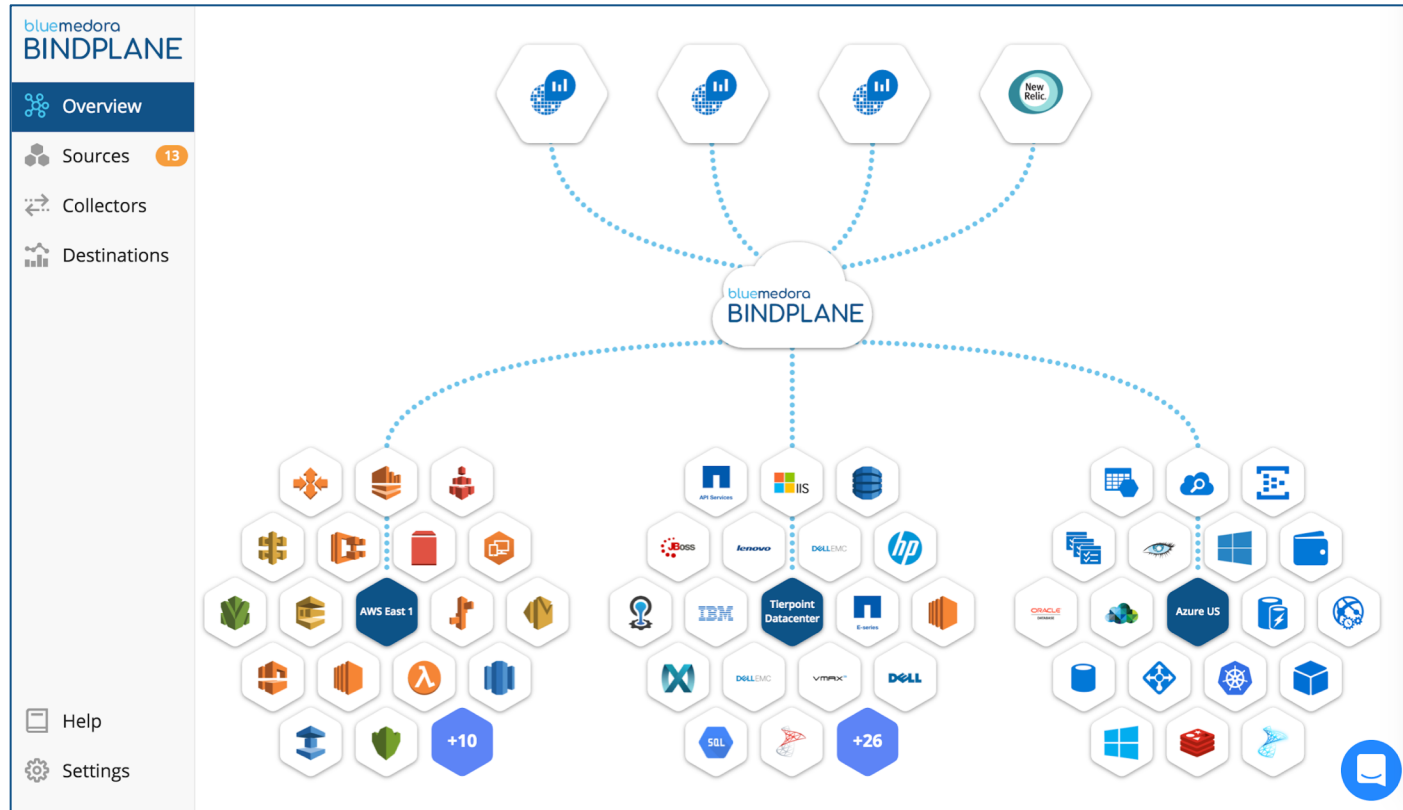


03

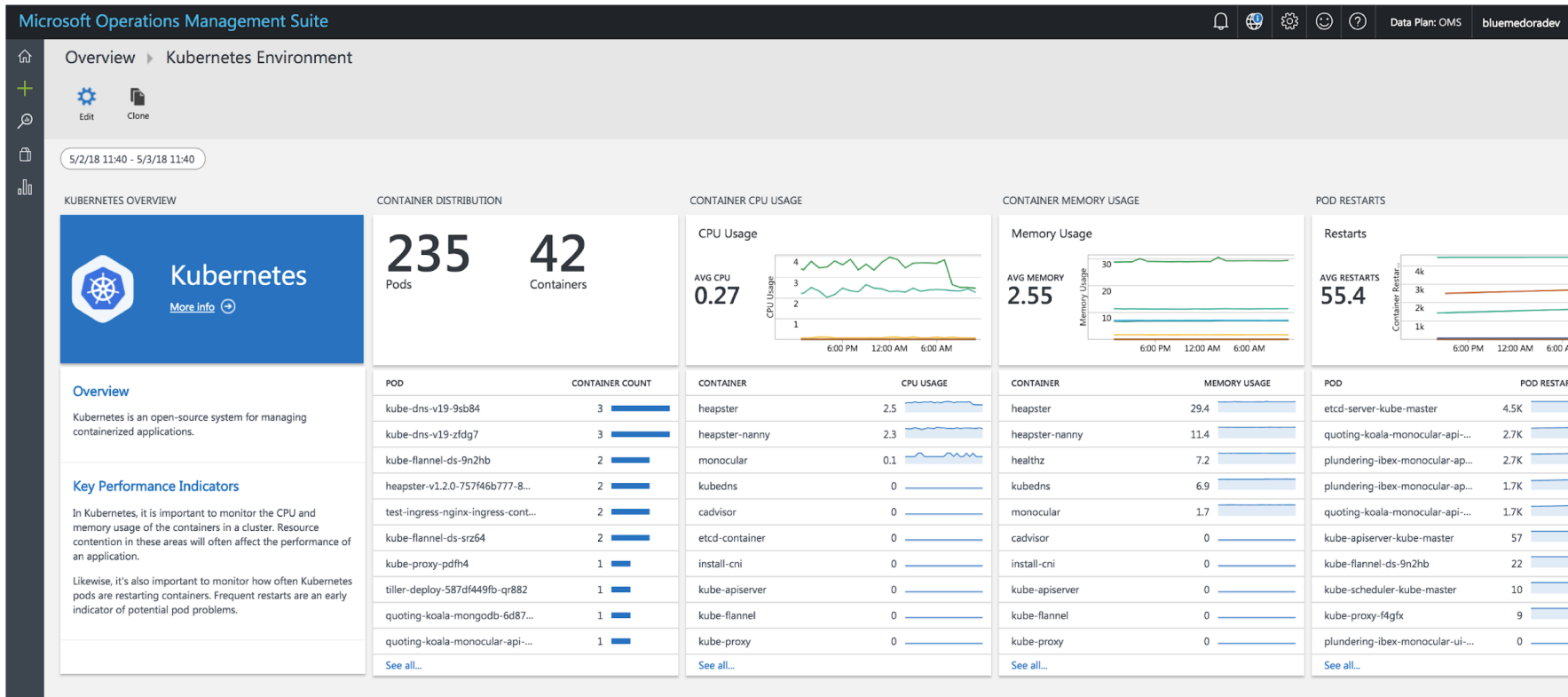
Connect Azure Monitor



# BindPlane: Monitoring Integration as a Service



# Kubernetes

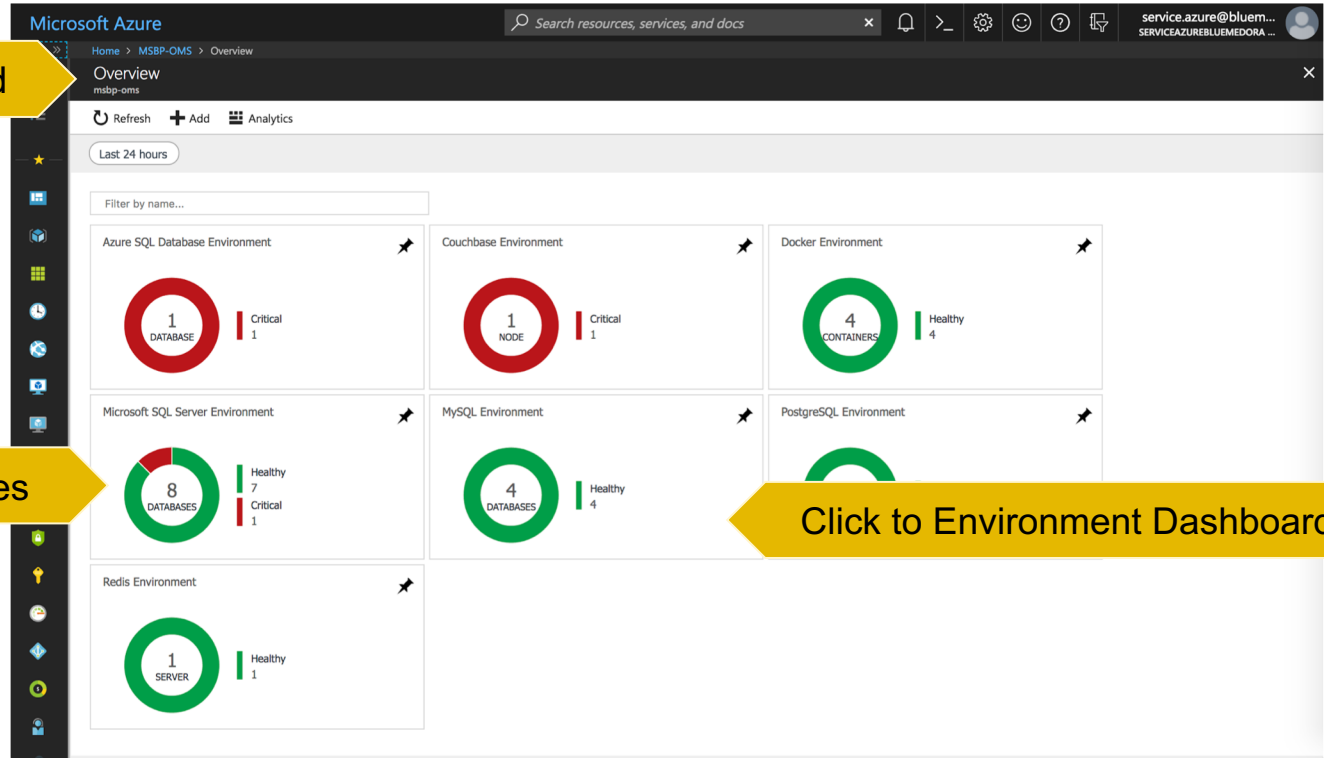


# Azure Workload Monitoring with BindPlane

Dashboards Included

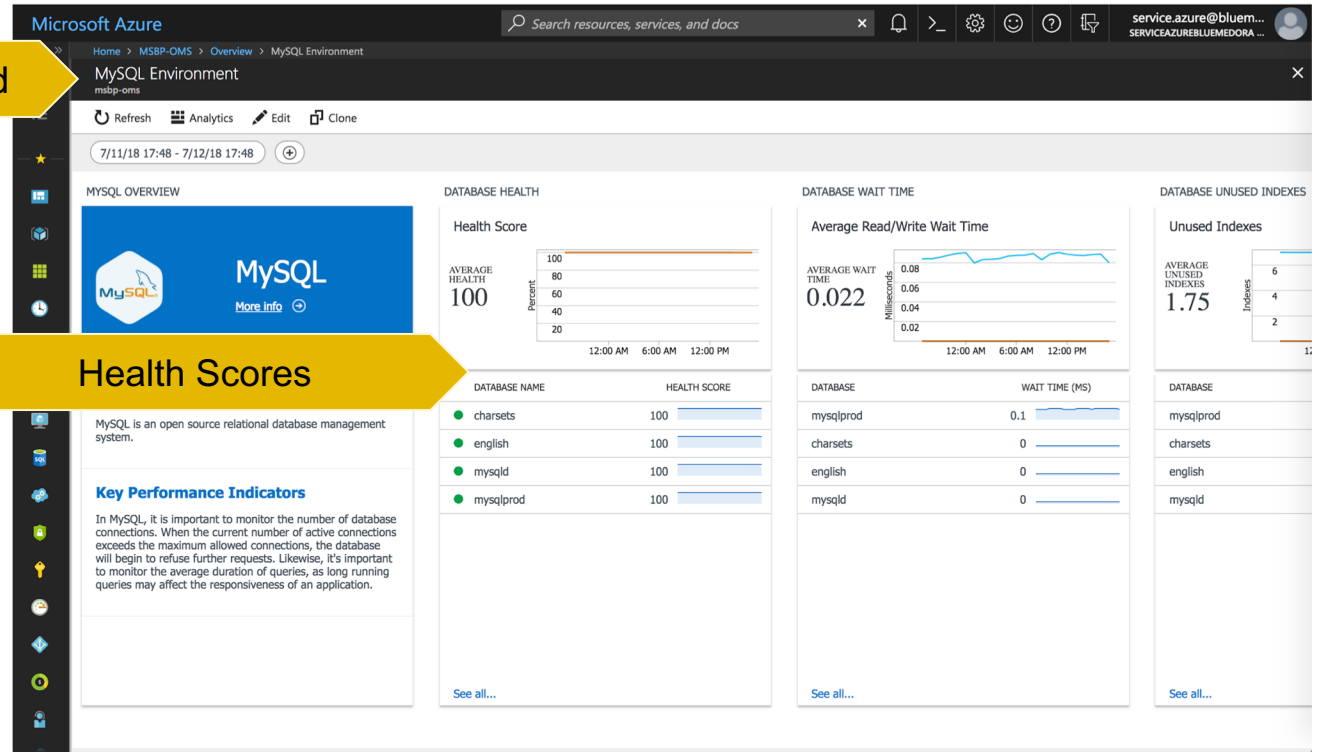
Health Scores

Click to Environment Dashboard



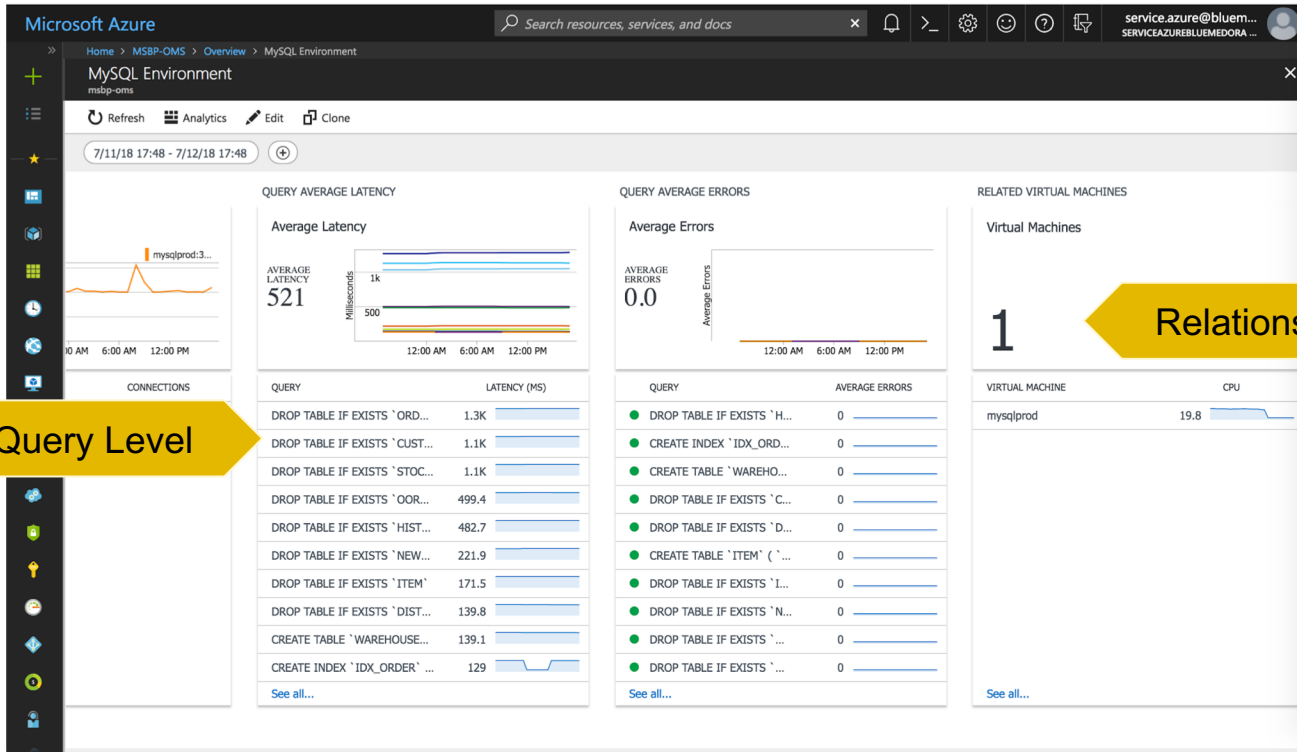
# Azure Workload Monitoring with BindPlane

## Dashboards Included

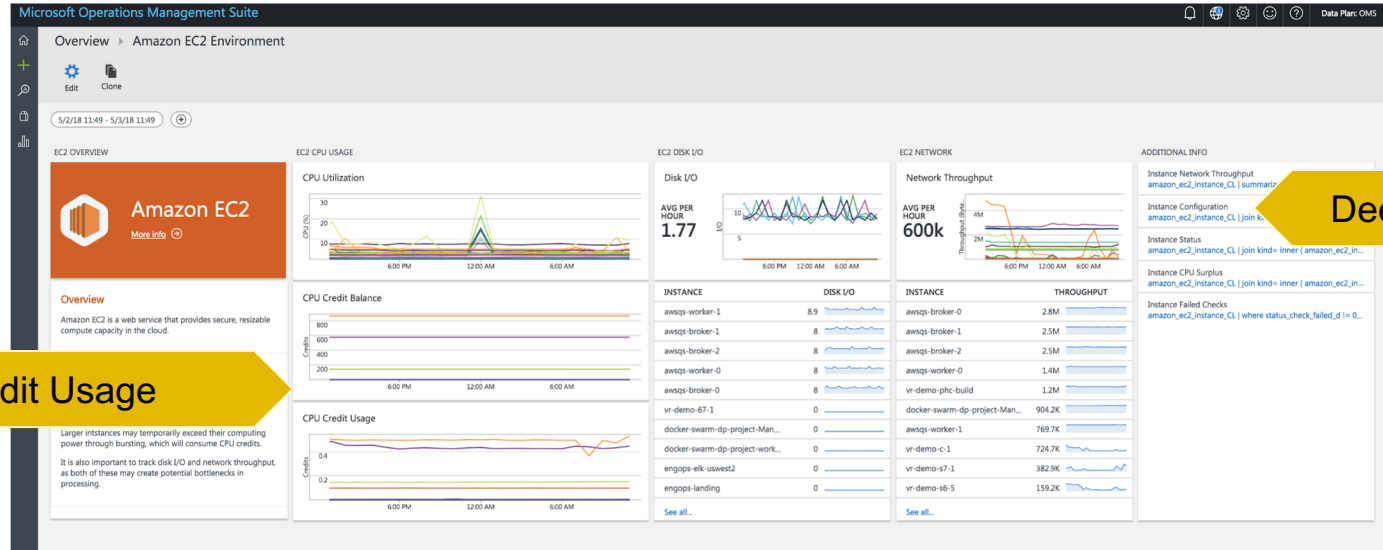


## Health Scores

# Azure Workload Monitoring with BindPlane



# Multi-Cloud Monitoring with BindPlane

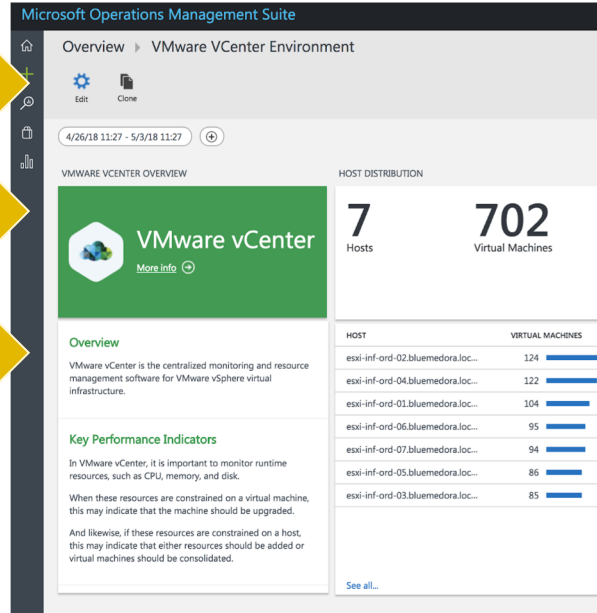
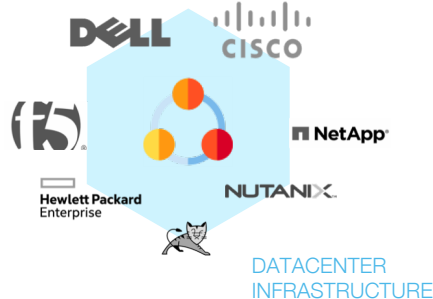


# On Premise Datacenter Monitoring with BindPlane

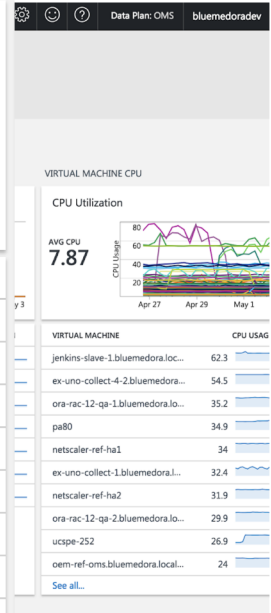
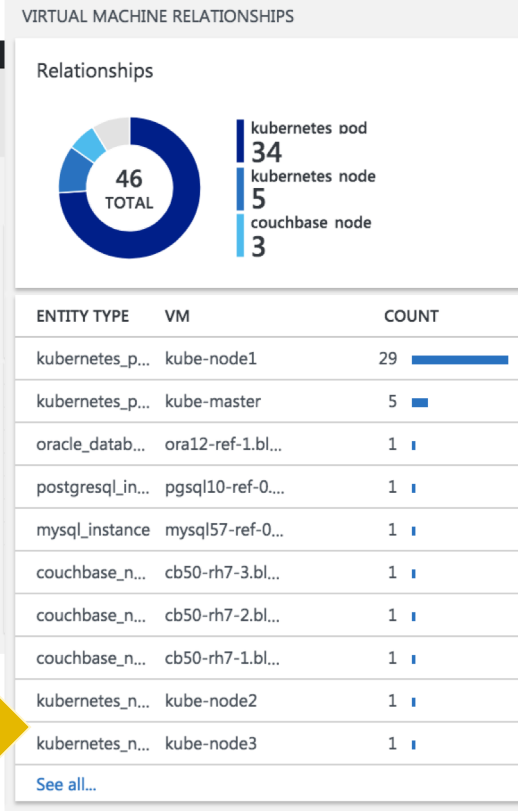
Migrate from SCOM

Support Hybrid Cloud

Cloud vs. On Prem  
Compare



Relationship Mapping





# Blue Medora history

**1st**

## Category Defining

The first  
Monitoring  
Integration as a  
Service (MaaS)  
provider

**150+**

## Breadth

Large and  
growing catalog  
of endpoint  
integrations

**350+**

## Proven

Enterprise  
customers like  
BOSCH,  
Safeway, JP  
Morgan Chase



# Next Steps



## Schedule a Demo

BindPlane is in free preview until the end of August.  
To schedule a demo and activate a free preview account, contact:

Daniel Jefferies, Director of Platform Products  
**[daniel.jefferies@bluemedora.com](mailto:daniel.jefferies@bluemedora.com)**



## Learn More

BindPlane Pitch at Microsoft - <https://youtu.be/bo1s9r0-MYw?t=42s>

BindPlane for Microsoft product page -  
<https://bluemedora.com/products/bindplane-for-microsoft/>

Backup

# Customer perspective

## Ryan Schuttloffel

System Engineer,  
Border States



“  
Amazement. I now have an entire systems view,  
which is rare. I have to check my phone a whole  
lot less over evenings and weekend.  
”

## Richard Esteve

Tech Leader,  
Orange Business Services



“  
To effectively manage their IT environments,  
our customers require an understanding of  
what is happening across the environment.  
Blue Medora's out-of-the-box dashboards  
provide exactly that, which is greatly improving  
our overall customer experience.  
”

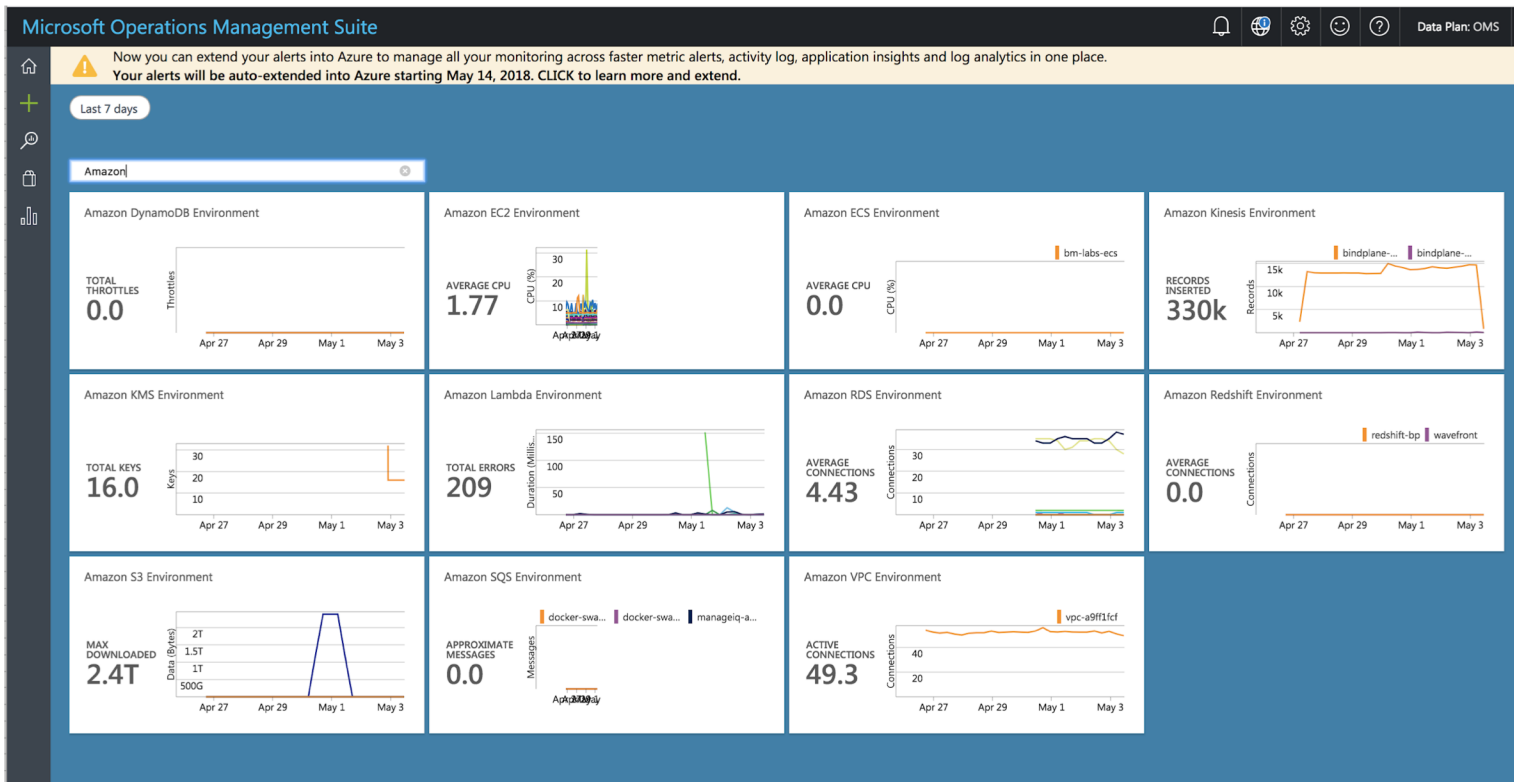
## Ron Kozakowski

Data Services Manager,  
Alliant Credit Union








“  
We can show our development department  
things on their servers that we could never  
have done before.  
”

# MSFT Log Analytics for Multi-Cloud (Preview Launched in May)

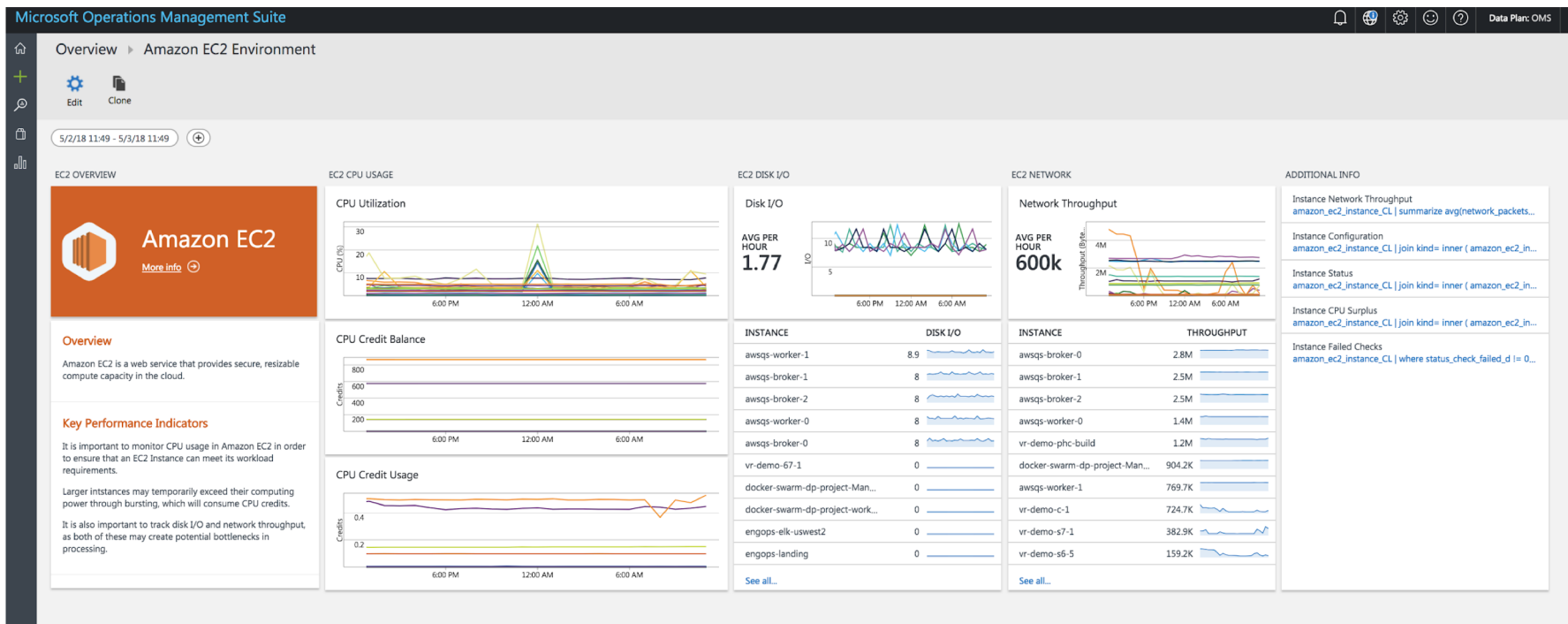


# Deep Insights for 38 distinct AWS Services

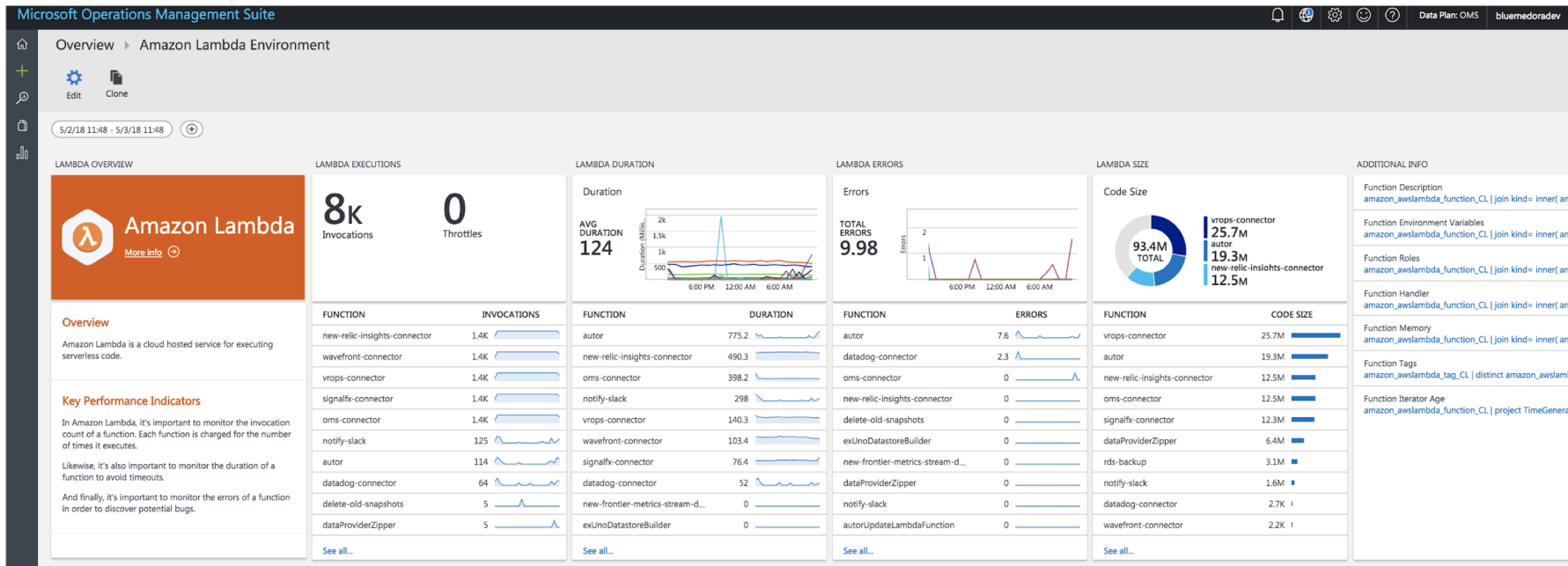
AWS

|   |  |   |                                  |   |                                   |   |                                  |   |                                   |
|---|--|---|----------------------------------|---|-----------------------------------|---|----------------------------------|---|-----------------------------------|
|  | Amazon Elastic Compute (EC2)             |  | AWS Key Management Service (KMS) |  | Amazon Route 53                   |  | Amazon ElastiCache Memcached     |  | Amazon DynamoDB                   |
|  | Amazon Simple Storage (S3)               |  | Amazon Elasticsearch             |  | Amazon Kinesis Analytics          |  | Amazon ElastiCache Redis         |  | Amazon RDS - Oracle DB            |
|  | Amazon Elastic Load Balancer (ELB)       |  | AWS Billing / Budget             |  | Amazon Kinesis Firehose           |  | AWS Elastic Beanstalk            |  | Amazon RDS - Microsoft SQL Server |
|  | Amazon Simple Queue Service (SQS)        |  | Amazon VPC                       |  | Amazon Kinesis Video Streams      |  | Amazon Auto Scaling              |  | Amazon RDS - PostgreSQL           |
|  | Amazon Simple Notification Service (SNS) |  | Amazon CloudFront                |  | Amazon Kinesis                    |  | AWS OpsWorks                     |  | Amazon RDS - MySQL                |
|  | Amazon CloudSearch                       |  | Amazon WorkSpaces                |  | Amazon API Gateway                |  | Amazon Glacier                   |  | Amazon RDS - MariaDB              |
|  | Amazon Elastic Block Storage (EBS)       |  | Amazon EC2 Container Service     |  | Amazon Simple Email Service (SES) |  | Amazon Elastic File System (EFS) |  | Amazon RDS - Aurora               |

# Enabling drill-down into AWS EC2

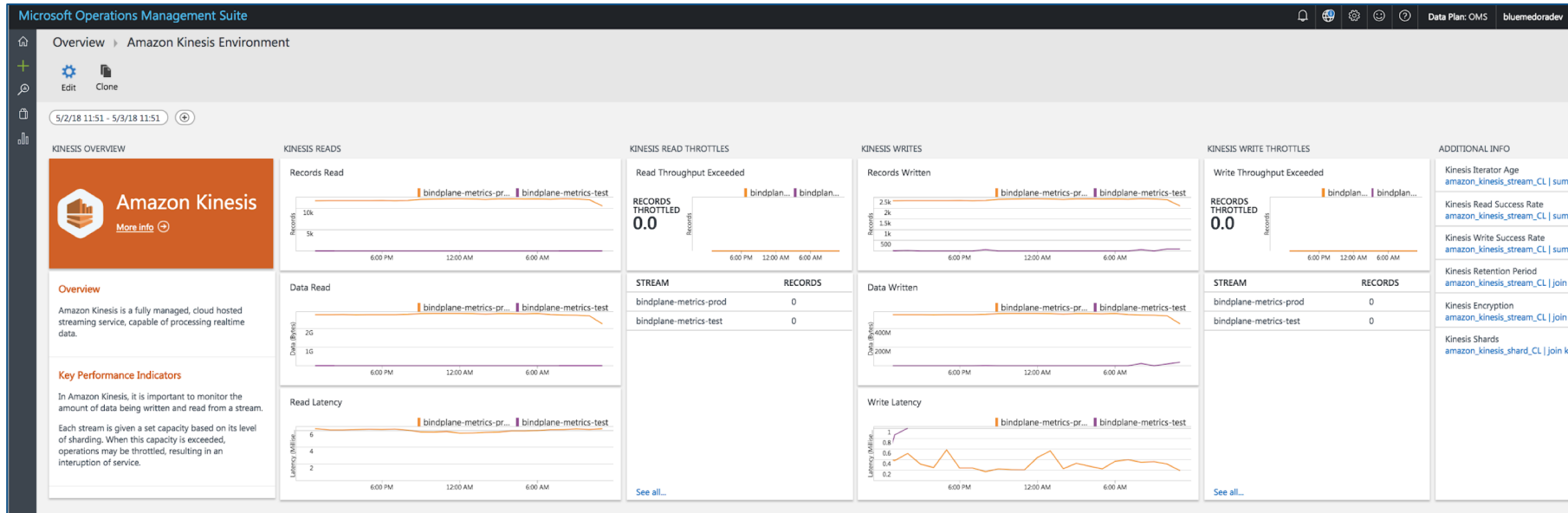


# Enabling drill-down into AWS Lambda





# Enabling drill-down into AWS Kinesis



# Google Cloud SQL

Microsoft Operations Management Suite

🔔 🔍 ⚙️ 😊 ? Data Plan: OMS bluemedora.dev

Overview ► Google Cloud SQL Environment

⚙️ 📄  
Edit Clone

5/2/18 11:44 - 5/3/18 11:44

GOOGLE CLOUD SQL OVERVIEW



Google Cloud  
SQL  
[More info](#)

## Overview

Google Cloud SQL is a fully-managed database service for administering relational databases on Google Cloud.

## Key Performance Indicators

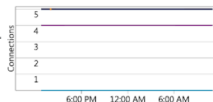
In Google Cloud SQL, it is important to monitor the number of connections to a database instance. This will help indicate the load on an instance and gauge its current scale.

Likewise, it's also important to monitor the queries and operations of an instance. Abnormally high transactions can have an adverse effect on the responsiveness of the database.

INSTANCE CONNECTIONS

Connections

AVERAGE  
CONNECTIO...  
**3.03**



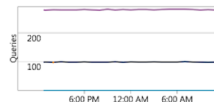
| INSTANCE              | CONNECTIONS |
|-----------------------|-------------|
| mysql-test-1          | 5           |
| mysql-test-1-failover | 4           |
| postgres-test-1       | 0           |

[See all...](#)

QUERY COUNT

Queries

AVERAGE  
QUERIES  
**126**



| INSTANCE              | QUERIES |
|-----------------------|---------|
| mysql-test-1-failover | 278.9   |
| mysql-test-1          | 98.3    |
| postgres-test-1       | 0       |

[See all...](#)

INSTANCE READS

Read Ops

AVERAGE  
READS  
**0.0044**



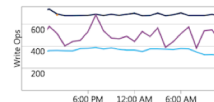
| INSTANCE              | READ OPS |
|-----------------------|----------|
| mysql-test-1-failover | 0        |
| mysql-test-1          | 0        |
| postgres-test-1       | 0        |

[See all...](#)

INSTANCE WRITES

Write Ops

AVERAGE  
WRITES  
**518**



| INSTANCE              | WRITE OPS |
|-----------------------|-----------|
| mysql-test-1          | 678       |
| mysql-test-1-failover | 452       |
| postgres-test-1       | 319.6     |

[See all...](#)

ADDITIONAL INFO

Recent Events  
[google\\_cloudsql\\_instance\\_CL | take 100](#)

Instance Configuration  
[google\\_cloudsql\\_instance\\_CL | join kind= inner \( goog](#)

Instance Tier  
[google\\_cloudsql\\_instance\\_CL | join kind= inner \( goog](#)

Instance Location  
[google\\_cloudsql\\_instance\\_CL | join kind= inner \( goog](#)

Instance Memory  
[google\\_cloudsql\\_instance\\_CL | summarize avg\(memor](#)

Instance CPU  
[google\\_cloudsql\\_instance\\_CL | summarize avg\(cpuUtil](#)

# Google Compute

Microsoft Operations Management Suite  
Microsoft Operations Management Suite

Microsoft Operations Management Suite  
Data Plan: OMS  
bluemedoradev

Overview ► Google Compute Environment

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5/2/18 11:53 - 5/3/18 11:53

GOOGLE COMPUTE OVERVIEW



## Overview

Google Compute Engine is a cloud hosted service that delivers virtual machines running in Google's data centers and worldwide fiber network.

## Key Performance Indicators

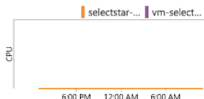
In Google Compute, it is important to monitor runtime resources, such as CPU, network traffic, and disk.

Contention in these resources will inevitably degrade the performance of applications running on a Google Compute instance.

INSTANCE CPU

CPU Utilization

AVG CPU  
0.0



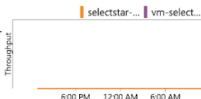
| INSTANCE                      | CPU |
|-------------------------------|-----|
| selectstar-collector          | 0   |
| vm-selectstar-collector-again | 0   |

[See all...](#)

INSTANCE RECEIVED THROUGHPUT

Received Throughput

RECEIVED THROUGHPUT  
0.0



| INSTANCE                      | RECEIVED THROUGHPUT |
|-------------------------------|---------------------|
| selectstar-collector          | 0                   |
| vm-selectstar-collector-again | 0                   |

[See all...](#)

INSTANCE SENT THROUGHPUT

Sent Throughput

SENT THROUGHPUT  
0.0



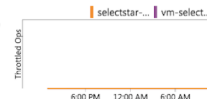
| INSTANCE                      | SENT THROUGHPUT |
|-------------------------------|-----------------|
| selectstar-collector          | 0               |
| vm-selectstar-collector-again | 0               |

[See all...](#)

DISK THROTTLERS

Throttled Ops

THROTTLED OPS  
0.0



| INSTANCE                      | THROTTLED OPS |
|-------------------------------|---------------|
| selectstar-collector          | 0             |
| vm-selectstar-collector-again | 0             |

[See all...](#)

ADDITIONAL INFO

Recent Events

[google\\_computeengine\\_instance\\_CL | take 100](#)

Instance Configuration  
[google\\_computeengine\\_instance\\_CL | join kind= inner \( goog](#)

Instance Location  
[google\\_computeengine\\_instance\\_CL | join kind= inner \( goog](#)

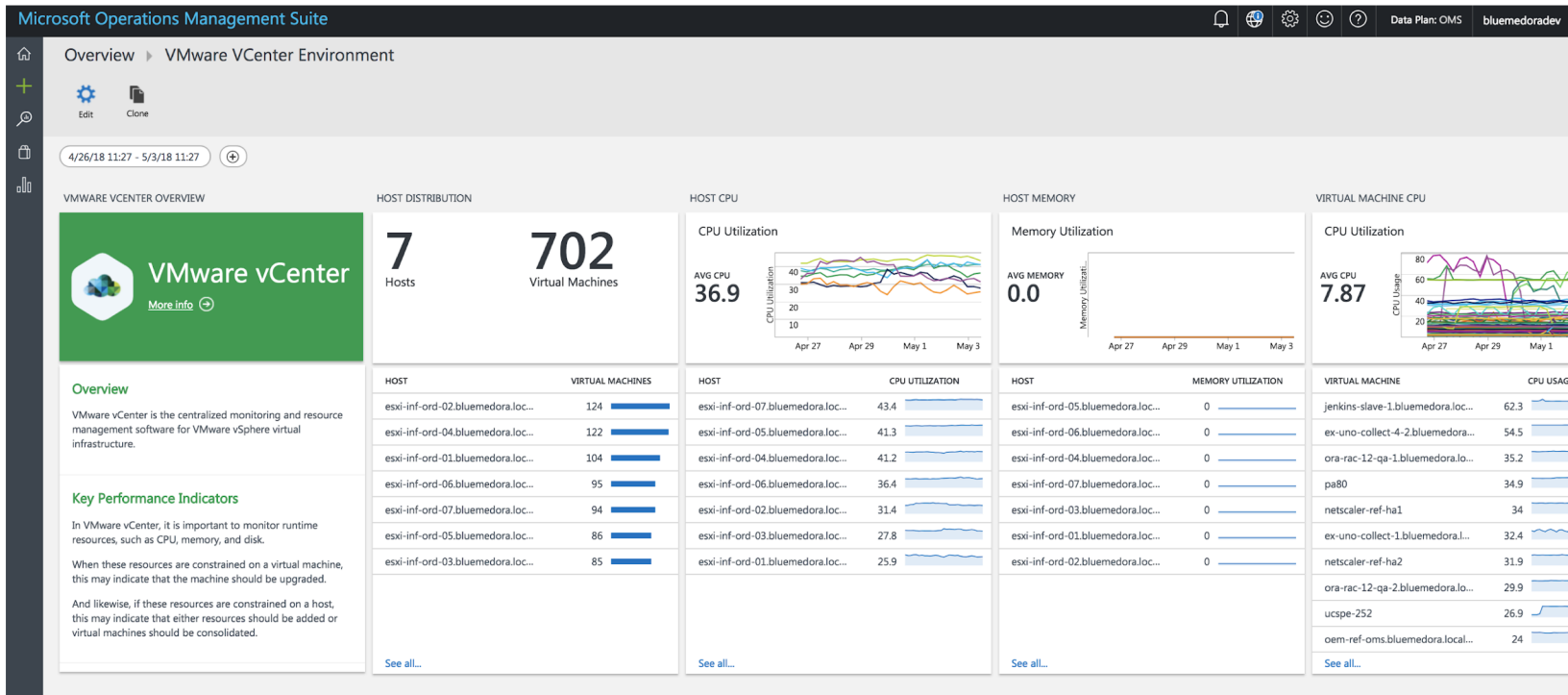
Disk Configuration  
[google\\_computeengine\\_disk\\_CL | join kind= inner \( go](#)

Disk Throughput  
[google\\_computeengine\\_disk\\_CL | summarize avg\(writ](#)

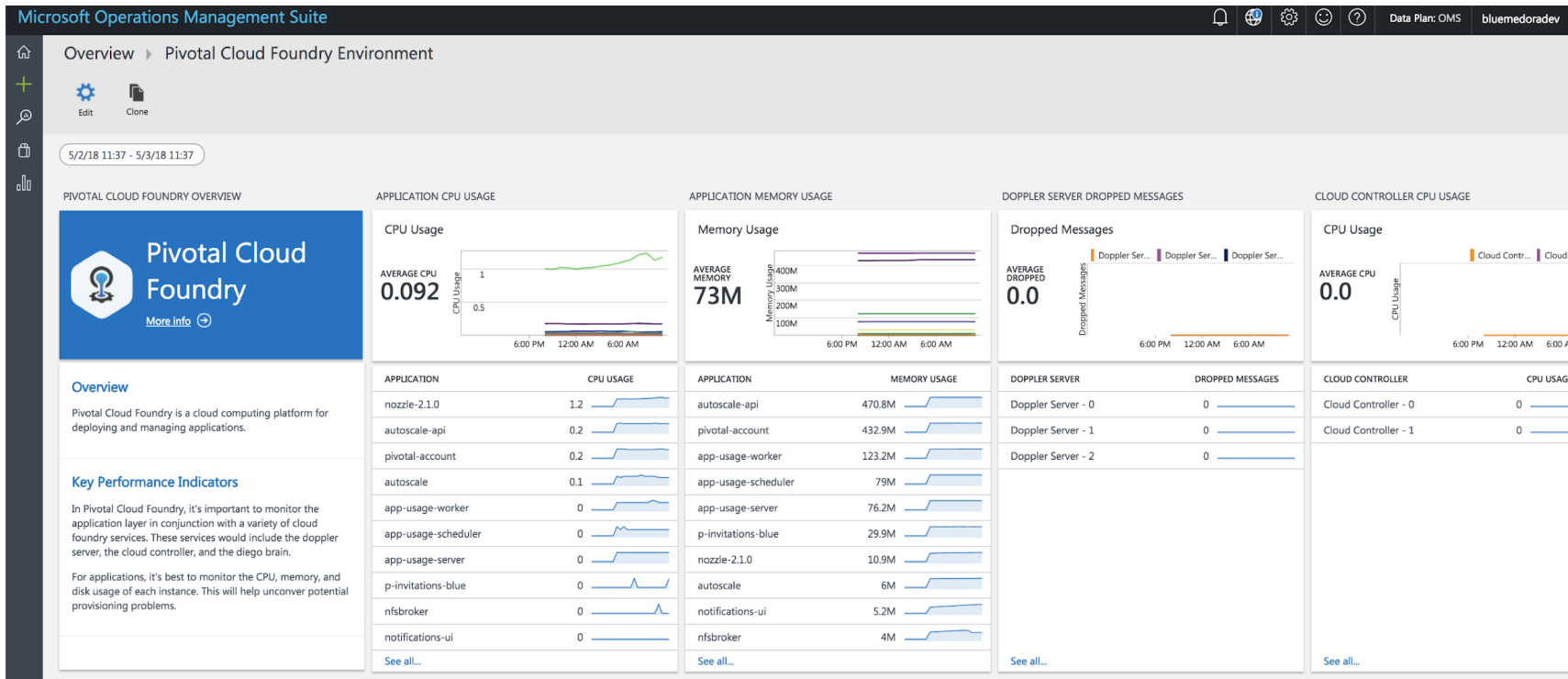
[avg\(memory](#)

[avg\(cpuUtil](#)

# VMware vSphere



# Pivotal Cloud Foundry



# PostgreSQL

## Microsoft Operations Management Suite

🔔 🌐 ⚙️ 😊 ❓ Data Plan: OMS bluemedoradev

### Overview PostgreSQL Environment



Edit



Clone

5/2/18 11:43 - 5/3/18 11:43

#### POSTGRESQL OVERVIEW



## PostgreSQL

[More info](#)

#### Overview

PostgreSQL is an open source relational database management system.

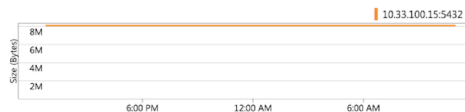
#### Key Performance Indicators

In PostgreSQL, it's important to monitor table operations, as errant row inserts can quickly inflate the size of the database.

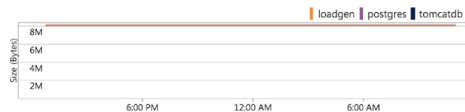
Furthermore, it's also important to monitor the executions of a query. If a resource intensive query executes at a rapid pace, this may hinder the responsiveness of the database.

#### POSTGRESQL SIZE

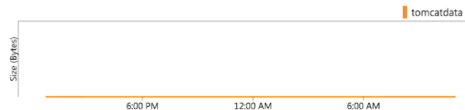
##### Instance



##### Database Size



##### Table Size



#### DATABASE OPERATIONS

0  
Row Inserts

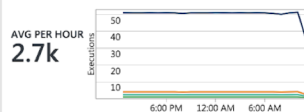
0  
Row Deletes

| DATABASE | TOTAL OPERATIONS |
|----------|------------------|
| loadgen  | 7.2K             |
| postgres | 4.4K             |
| tomcatdb | 2.3K             |

[See all...](#)

#### QUERY EXECUTIONS

##### Total Executions



| QUERY                           | AVG TIME (MS) |
|---------------------------------|---------------|
| SELECT typinput=\$2:regpr...    | 0.1           |
| select exists( SELECT \$1 FR... | 0             |
| SELECT n.nspname = ANY(...      | 0             |
| SET extra_float_digits = 3      | 0             |
| SET application_name = 'BL...   | 0             |
| SHOW server_version_num         | 0             |

[See all...](#)

#### ADDITIONAL INFO

Session Wait Time  
[postgres\\_session\\_CL | summarize max\(waiting\\_d\) by postgres...](#)

Session by Application  
[postgres\\_session\\_CL | summarize count\(\) by application\\_name...](#)

Index Rates  
[postgres\\_index\\_CL | project postgres\\_index\\_name\\_s, postgre...](#)

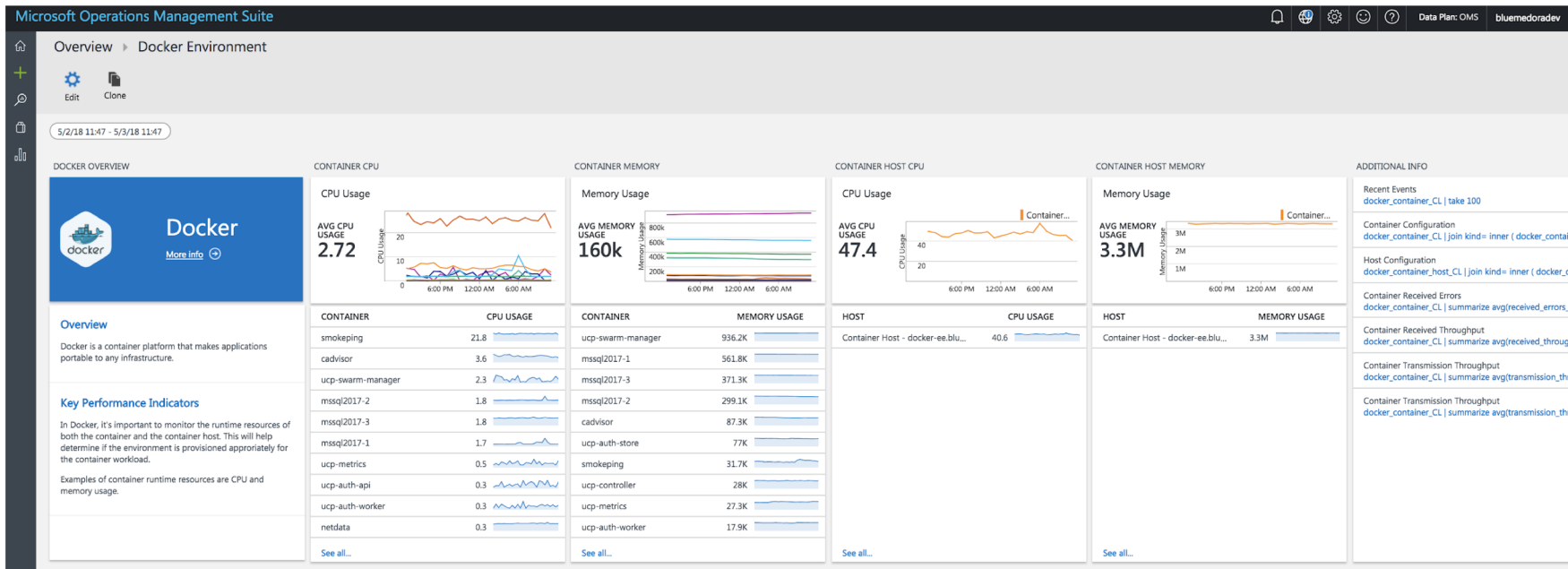
Instance Configuration  
[postgres\\_configuration\\_CL | distinct postgres\\_instance\\_nam...](#)

Replication Delay  
[postgres\\_replication\\_CL | summarize avg\(replication\\_delay\\_d\) ...](#)

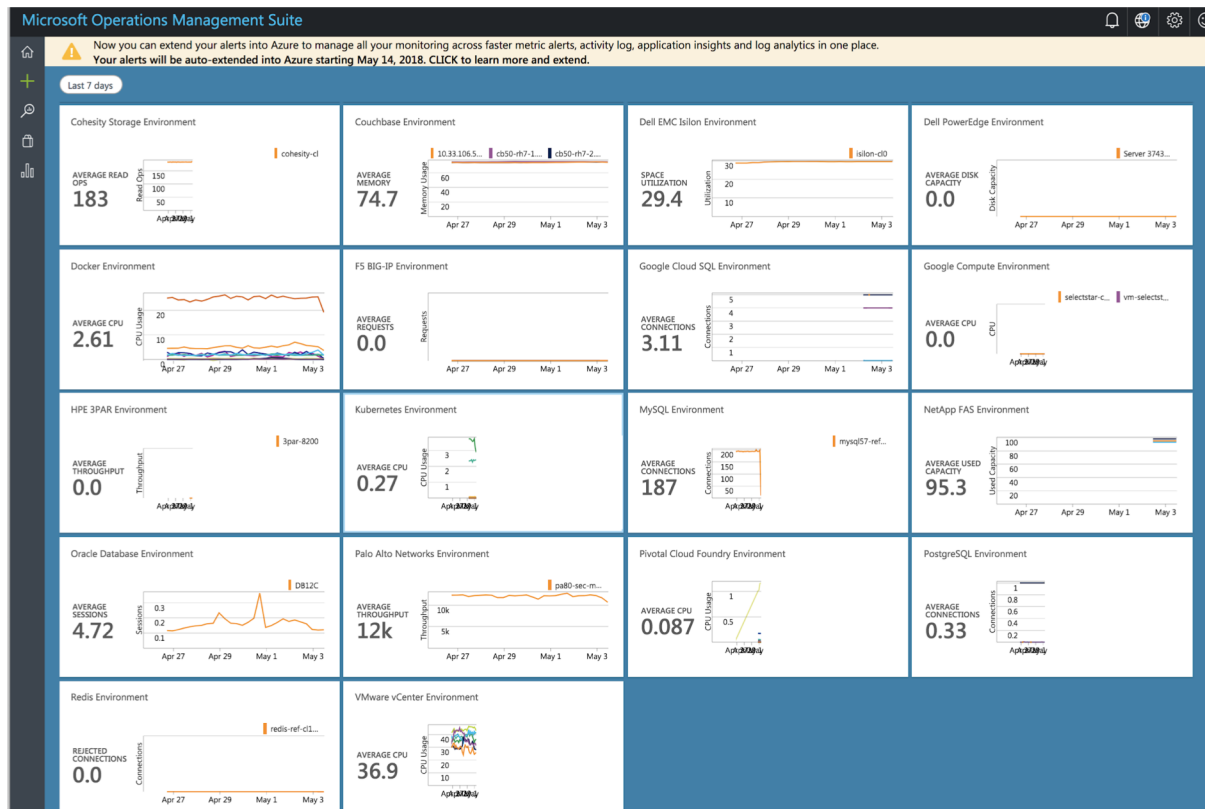
Tablespace Size  
[postgres\\_tablespace\\_CL | summarize avg\(spc\\_size\\_d\) by postg...](#)

Function Calls  
[postgres\\_function\\_CL | summarize avg\(avg\\_time\\_d\), sum\(calls...](#)

# Docker (cAdvisor)

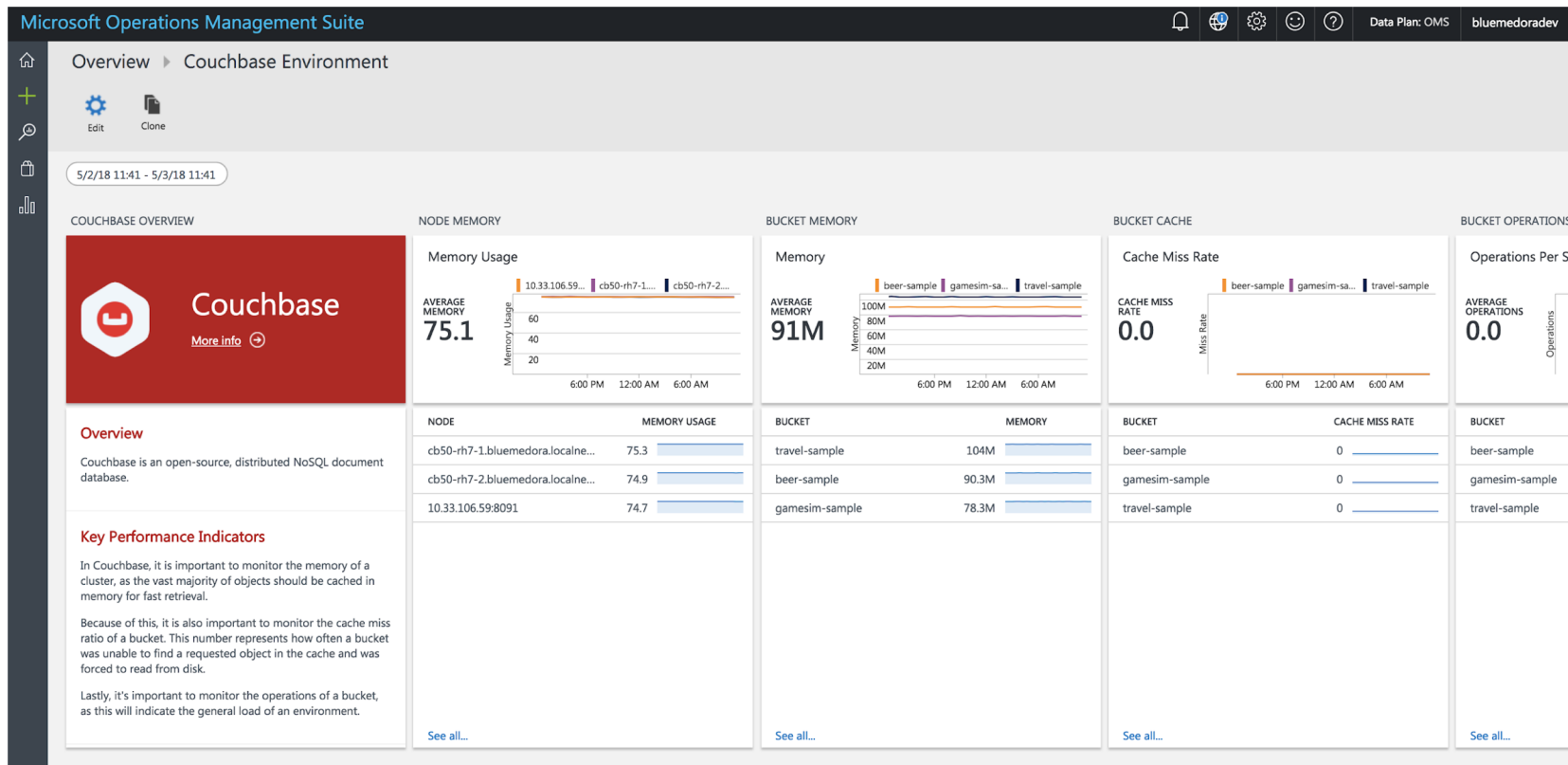


# DataOps / PaaS / DevOps / On Prem Infrastructure





# Couchbase



# Redis

Microsoft Operations Management Suite

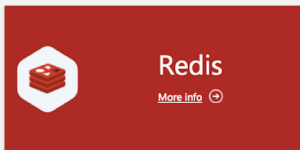
🔔 ⓘ ⚙️ 😊 ? Data Plan: OMS bluemedora.dev

Overview > Redis Environment



5/2/18 11:59 - 5/3/18 11:59

REDIS OVERVIEW



## Overview

Redis is an open source, in-memory data structure store, used as a database, cache and message broker.

## Key Performance Indicators

In Redis, it is important to monitor rejected connections. When rejected connections occur, this indicates that an application has been unable to communicate with the server, resulting in a disruption of service.

Likewise, it is also important to monitor the memory used by the Redis server. When memory exceeds the physical limit, the server will start swapping and performance will degrade.

SERVER REJECTIONS

Rejected Connections



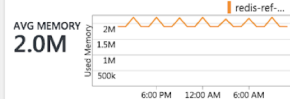
SERVER REJECTED CONNECTIONS

redis-ref-cl1-1.6379 0

[See all...](#)

SERVER MEMORY

Used Memory



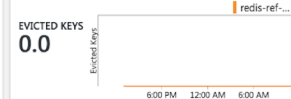
SERVER MEMORY

redis-ref-cl1-1.6379 1.9M

[See all...](#)

SERVER EVICTED KEYS

Evicted Keys



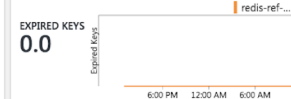
SERVER EVICTED KEYS

redis-ref-cl1-1.6379 0

[See all...](#)

SERVER EXPIRED KEYS

Expired Keys



SERVER EXPIRED KEYS

redis-ref-cl1-1.6379 0

[See all...](#)

ADDITIONAL INFO

Recent Events  
[redis\\_server\\_CL | take 100](#)

Cluster Status  
[redis\\_cluster\\_CL | join kind= inner \( redis\\_cluster\\_CL | s](#)

Cluster Size  
[redis\\_cluster\\_CL | join kind= inner \( redis\\_cluster\\_CL | s](#)

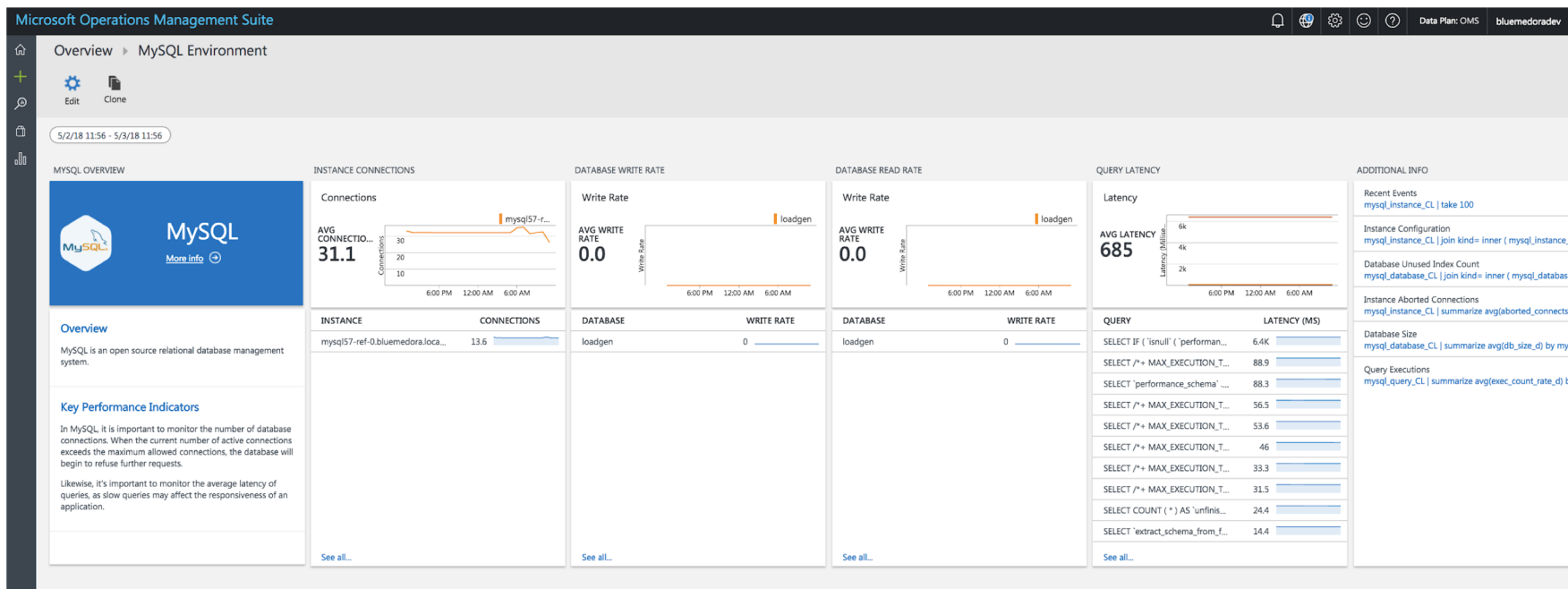
Database Status  
[redis\\_database\\_CL | join kind= inner \( redis\\_database\\_C](#)

Cluster Sent Messages  
[redis\\_cluster\\_CL | summarize avg\(cluster\\_stats\\_messag](#)

Cluster Received Messages  
[redis\\_cluster\\_CL | summarize avg\(cluster\\_stats\\_messag](#)

Cluster Instantaneous Ops  
[redis\\_cluster\\_CL | summarize avg\(avg\\_instantaneous\\_o](#)

# MySQL Database



# Dell Compute

Microsoft Operations Management Suite

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Overview ▸ Dell PowerEdge Environment



5/2/18 11:45 - 5/3/18 11:45

DELL POWEREDGE OVERVIEW



## Dell PowerEdge

[More info](#) ➔

### Overview

Dell PowerEdge is a server line offered by Dell.

### Key Performance Indicators

In Dell PowerEdge, it is important to monitor runtime resources, such as CPU, memory, and disk.

SERVER DISK CAPACITY

#### Disk Capacity

AVERAGE DISK CAPACITY  
**0.0**



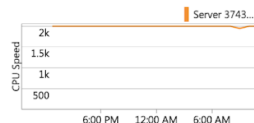
| SERVER                      | DISK CAPACITY |
|-----------------------------|---------------|
| Server 37434008593 t620-dev | 0             |

[See all...](#)

SERVER PROCESSOR SPEED

#### CPU Speed

AVERAGE CPU SPEED  
**2.0k**



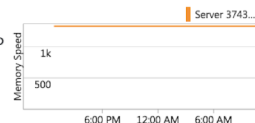
| SERVER                      | CPU SPEED |
|-----------------------------|-----------|
| Server 37434008593 t620-dev | 2K        |

[See all...](#)

SERVER MEMORY SPEED

#### Memory Speed

AVERAGE MEMORY SPEED  
**1.3k**



| SERVER                      | MEMORY SPEED |
|-----------------------------|--------------|
| Server 37434008593 t620-dev | 1.3K         |

[See all...](#)

ADDITIONAL INFO

Recent Events

dell\_compute\_rack\_server\_CL | take 100

Server Model

dell\_compute\_rack\_server\_CL | join kind= inner (dell\_comp

Server IP

dell\_compute\_rack\_server\_CL | join kind= inner (dell\_comp

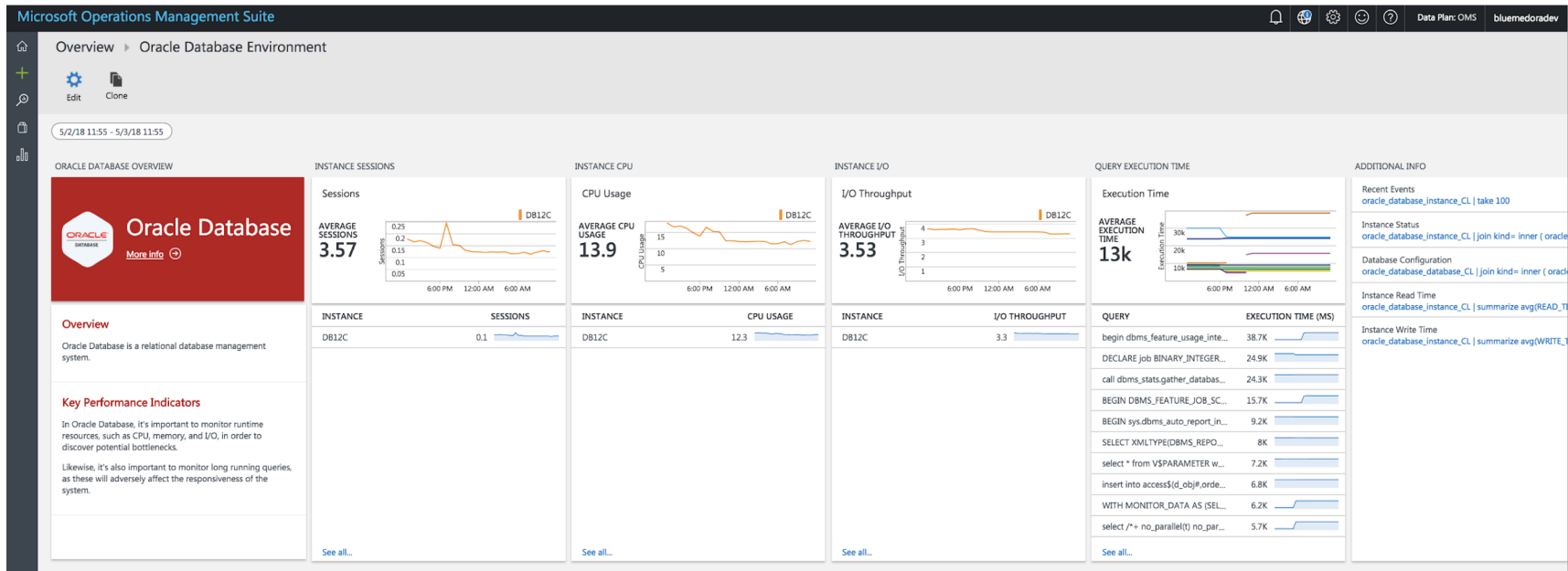
Server OS

dell\_compute\_rack\_server\_CL | join kind= inner (dell\_comp

Server BIOS

dell\_compute\_rack\_server\_CL | join kind= inner (dell\_comp

# Oracle Database



# Cisco Nexus

Microsoft Operations Management Suite

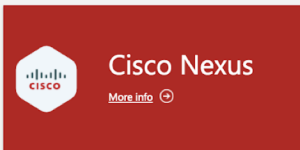
🔔 🌐 ⚙️ 😊 ? Data Plan: OMS bluemedoraev

Overview ▶ Cisco Nexus Environment



5/2/18 11:57 - 5/3/18 11:57

CISCO NEXUS OVERVIEW



## Overview

Cisco Nexus is a series of network switches designed for the traditional data center.

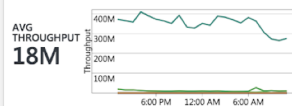
## Key Performance Indicators

In Cisco Nexus, it is important to monitor the traffic of the switch.

When throughput exceeds the bandwidth of the switch, network packets will be dropped, resulting in lost data.

PORT THROUGHPUT

Throughput

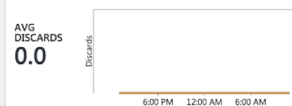


| PORT                              | THROUGHPUT |
|-----------------------------------|------------|
| sw-nx5010-1: FIC-A Port 6         | 275.6M     |
| sw-nx5010-1: Ethernet1/20         | 10.5M      |
| sw-nx5010-1: Uplink to 5524       | 10.4M      |
| sw-nx5010-1: Cohesity Data Ne...  | 696.6K     |
| sw-nx5010-1: Dell T620 VM Tra...  | 208.9K     |
| sw-nx5010-1: FIC-B Port 6         | 11.5K      |
| sw-nx5010-1: mgmt0                | 8.9K       |
| sw-nx5010-1: FAS 3240 ISCSI Tr... | 74.8       |
| sw-nx5010-1: Ethernet1/5          | 0          |
| sw-nx5010-1: Ethernet1/9          | 0          |

[See all...](#)

PORT DISCARDS

Discards

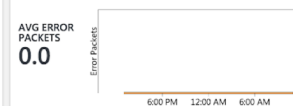


| PORT                              | DISCARDS |
|-----------------------------------|----------|
| sw-nx5010-1: FAS 3240 ISCSI Tr... | 0        |
| sw-nx5010-1: Cohesity Data Ne...  | 0        |
| sw-nx5010-1: Ethernet1/10         | 0        |
| sw-nx5010-1: Ethernet1/15         | 0        |
| sw-nx5010-1: Ethernet1/19         | 0        |
| sw-nx5010-1: Ethernet1/20         | 0        |
| sw-nx5010-1: Ethernet1/2          | 0        |
| sw-nx5010-1: Ethernet1/5          | 0        |
| sw-nx5010-1: Ethernet1/8          | 0        |
| sw-nx5010-1: Ethernet1/9          | 0        |

[See all...](#)

PORT ERROR PACKETS

Error Packets

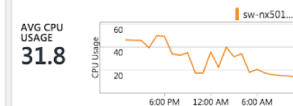


| PORT                              | ERROR PACKETS |
|-----------------------------------|---------------|
| sw-nx5010-1: FAS 3240 ISCSI Tr... | 0             |
| sw-nx5010-1: Cohesity Data Ne...  | 0             |
| sw-nx5010-1: Ethernet1/10         | 0             |
| sw-nx5010-1: Ethernet1/15         | 0             |
| sw-nx5010-1: Ethernet1/19         | 0             |
| sw-nx5010-1: Ethernet1/20         | 0             |
| sw-nx5010-1: Ethernet1/2          | 0             |
| sw-nx5010-1: Ethernet1/5          | 0             |
| sw-nx5010-1: Ethernet1/8          | 0             |
| sw-nx5010-1: Ethernet1/9          | 0             |

[See all...](#)

SWITCH CPU USAGE

CPU Usage



| SWITCH      | CPU USAGE |
|-------------|-----------|
| sw-nx5010-1 | 14.3      |

[See all...](#)

ADDITIONAL INFO

- Recent Events  
[cisco\\_networking\\_port\\_CL | take 100](#)
- Switch Attached MAC  
[cisco\\_networking\\_switch\\_CL | join kind= inner \( cisco\\_r](#)
- Switch Model  
[cisco\\_networking\\_switch\\_CL | join kind= inner \( cisco\\_r](#)
- Switch IP  
[cisco\\_networking\\_switch\\_CL | join kind= inner \( cisco\\_r](#)
- Port Bandwidth  
[cisco\\_networking\\_port\\_CL | join kind= inner \( cisco\\_net](#)
- Port Configuration  
[cisco\\_networking\\_port\\_CL | join kind= inner \( cisco\\_net](#)
- Ports Down  
[cisco\\_networking\\_switch\\_CL | summarize avg\(port\\_stat](#)
- Ports in Error  
[cisco\\_networking\\_switch\\_CL | summarize avg\(port\\_stat](#)

# NetApp Storage

## Overview ▶ NetApp FAS Environment



5/2/18 11:58 - 5/3/18 11:58

### NETAPP FAS OVERVIEW



## NetApp FAS

[More info](#) ⓘ

### Overview

NetApp FAS is a fabric-attached storage system that can serve storage over a network using file-based protocols such as NFS, SMB, FTP, TFTP, and HTTP.

### Key Performance Indicators

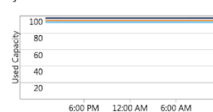
In NetApp FAS, it's important to monitor the capacity of the aggregates and volumes. When capacity is reached, the storage system will be unable to operate as expected.

Likewise, it's also important to monitor the latency of reads and writes. Highly latent operations will cause applications to appear unresponsive.

### AGGREGATE CAPACITY

Used Capacity

AVERAGE  
USED  
CAPACITY  
**95.3**



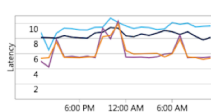
| AGGREGATE           | USED CAPACITY |
|---------------------|---------------|
| aggr_1              | 98            |
| aggr0_fas3240c_02_0 | 95            |
| aggr0               | 95            |
| aggr_2              | 93            |

[See all...](#)

### AGGREGATE LATENCY

Latency

AVERAGE  
LATENCY  
**7.54**



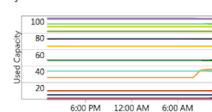
| AGGREGATE           | LATENCY (MS) |
|---------------------|--------------|
| aggr_2              | 9.6          |
| aggr_1              | 8.2          |
| aggr0               | 5.6          |
| aggr0_fas3240c_02_0 | 5.4          |

[See all...](#)

### VOLUME USED CAPACITY

Used Capacity

AVERAGE  
USED  
CAPACITY  
**38.0**



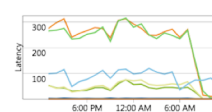
| VOLUME                          | USED CAPACITY |
|---------------------------------|---------------|
| fas3240c_svm_iscsi_lun_epops... | 97            |
| netapp_iscsi_perf_vol           | 97            |
| ucis_iscsi_vol                  | 91            |
| kraken6_lun_vol                 | 88            |
| ucis_nfs_vol                    | 87            |
| vol_nfs_vmware_thin             | 82            |
| vol_nfs_vmware_cap              | 82            |
| vol_temp_nfs_jon                | 73            |
| vcsa_test_vvol1                 | 64            |
| vol_nfs_qos                     | 47            |

[See all...](#)

### VOLUME LATENCY

Latency

AVERAGE  
LATENCY  
**26.5**



| VOLUME                 | LATENCY (MS) |
|------------------------|--------------|
| netapp_iscsi_perf_vol  | 57.7         |
| ucis_iscsi_vol         | 12.5         |
| vol_nfs_vmware_thick   | 8.7          |
| vol0                   | 1.6          |
| ucis_nfs_vol           | 0.3          |
| vol_epops_nfs          | 0.1          |
| DJ_Test                | 0.1          |
| fas3240csvm_iscsi_root | 0.1          |
| vol_nfs_vmware_cap     | 0.1          |
| fas3240cusciscsi_root  | 0            |

[See all...](#)

### ADDITIONAL INFO

Recent Events  
[netapp\\_apiservices\\_aggregate\\_CL | take 100](#)

Aggregate Reads  
[netapp\\_apiservices\\_aggregate\\_CL | summarize avg\(av](#)

Aggregate Writes  
[netapp\\_apiservices\\_aggregate\\_CL | summarize avg\(av](#)

Aggregate Utilization  
[netapp\\_apiservices\\_aggregate\\_CL | summarize avg\(uti](#)

Volume Reads  
[netapp\\_apiservices\\_volume\\_CL | summarize avg\(read\\_v](#)

Volume Writes  
[netapp\\_apiservices\\_volume\\_CL | summarize avg\(write\\_v](#)

Volume Available Size  
[netapp\\_apiservices\\_volume\\_CL | summarize avg\(size\\_v](#)