OCTOPUS

AUTOMATION OF SERVER RESOURCES: MONITORING AND DISTRIBUTION

Eliminate routine tasks and save time!

Your business will inevitably face global failures and infrastructure disruptions, because:

THE LOAD ON SERVER CAPACITIES IS INCREASING

- increasing amounts of data need processing
- new digital services are introduced
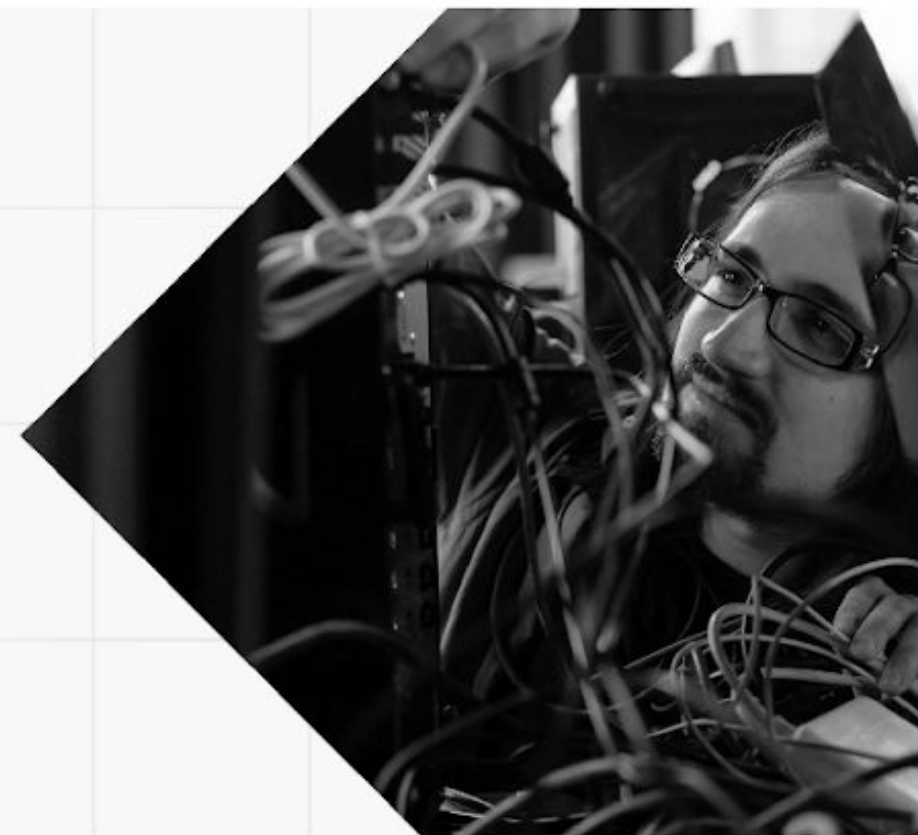- a growing proportion of business processes are automated

THE LOAD IS IMBALANCED AND UNEVEN

which inevitably leads to abrupt changes in dynamic resource consumption.

RESOURCES ARE DISTRIBUTED MANUALLY

since there are no automated centralized heterogeneous IT resources management tools.

RESOURCES ARE INSUFFICIENT

- equipment is supplied inconsistently
- it becomes extremely expensive
- and poorly inter-compatible

However, they can be avoided with OCTOPUS

Let it **automate** resource monitoring and dynamic infrastructure

scaling using artificial intelligence

- virtual machines
- containers
- microservices

management of any load

adaptation to any load

- hypervisors
- storage areas
- networks
- converged systems

OCTOPUS

- data center
- private cloud
- public cloud
- hybrid clouds
- multicloud

smooth 24/7 operation anywhere

flexibility, convenience and simplicity

- universal core
- policies and settings system
- grouping ability
- full detailing

How OCTOPUS works

IT RESOURCES AUTHORIZATION

Octopus regularly searches and authorizes all connected resources and monitors them for even minor changes

1

AUTOMATIC OBJECTS IDENTIFICATION

Octopus identifies interconnected elements, their parameters, actions and locations to create a complete representation of your IT resources

2

MANUAL CONFIGURATION OPTION

In order to handle unique situations, Octopus allows you to manually configure authorized objects and import existing policies and rules

3

EXISTING IT RESOURCES TOPOLOGY GENERATION

Octopus generates the existing IT resource topology based on the analysis of authorized objects and their characteristics

4

OPTIMAL IT RESOURCES TOPOLOGY GENERATION

Octopus uses AI technology to predict resource consumption based on historical data, and builds a predictive IT resource topology

5

RESOURCES BALANCING AUTOMATION

Octopus suggests automatic balancing and/or recommendations on computing resource redistribution

6

Benefits of Octopus:

24/7
automatic resource monitoring and improvement

up to 10%
decrease in routine tasks

up to 0
eliminates time spent on manual resource distribution

30 minutes
to install the basic version into your network

up to 30%
release of computing capacity

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We also offer piloting our solution in your environment and free training of your experts using our educational network

Best solution in the market

	Octopus	Turbonomic	VMWare	Open Nebula	ManageIQ
Cost	$	$ $ $	$ $ $	$ $ $	$ $ $
Resources consumption	▮	▮▮▯	▮▮▯	▮▮▯	▮▮▯
Balancing	✔	✔	only at the cluster level	only before launching	✔ ✖
Prediction using AI	✔	✖	✖	✖	✖
Supports different hypervisors	✔	✖	✖	✖	✖
Universal Analytical Core	✔	✖	✖	✖	✖

Octopus implementation stages:

WE WILL CONTACT YOU
ON THE DAY OF YOUR REQUEST

To discuss terms
and sign NDA

1

WE WILL PROVIDE YOU WITH
A TEST LICENSE

Within 24 hours after
NDA signing

2

WE WILL INSTALL OCTOPUS
ON YOUR NETWORK

In just **30 minutes**,
installed by our team

3

WE WILL START PILOTING

For two months with our **full
technical support**

4

WE WILL DEMONSTRATE
THE EFFECT

In specific figures and in
monetary terms

5

WE WILL TURN TO INTRODUCTION
INTO YOUR NETWORK

We will conduct **free detailed training**
for your experts using our facilities

6

We will conclude an agreement and proceed to OCTOPUS commissioning

7

Piloting results

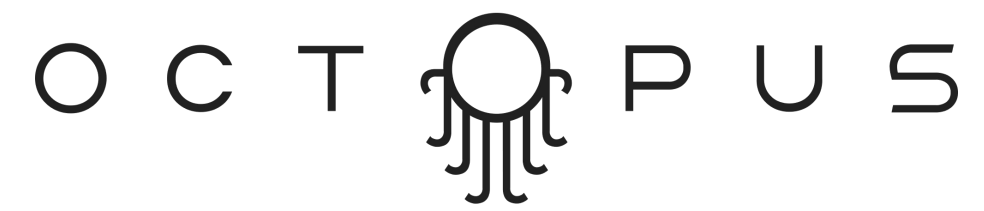|	Pilot parameters	Environment analytics in OCTOPUS
Amount of VMs	**494**	**426** at risk
Amount of hosts	**38**	**3** overloaded
Amount of storage areas	**69**	**~30%** overloaded

ABILITY TO RELEASE

4,070,958 MHZ
(~1200+ cores)
CPU

721,076 MB
RAM

~40%

hosts were released

Decrease in performance spikes and service quality improvement due to resource redistribution.

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LET OCTOPUS TAKE CARE OF SMART OPTIMIZATION

SAVE TIME AND TURN TO TASKS THAT REALLY MATTER

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