



# 300-915<sup>Q&As</sup>

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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### QUESTION 1

#### DRAG DROP

Drag and drop the tasks from the left into the correct order on the right for transporting data from sensors to the cloud, in order to extract the machine data and use the cloud-based analytics for predictive maintenance.

Select and Place:

Develop a dashboard for data consumption based on business needs.	
Remove duplicates and send filtered data to cloud.	
Extract information from OPC using custom drivers or DSlink.	
Interface the machine sensors using OPC based middleware.	
Process real time critical alerts for immediate action.	

Correct Answer:

	Develop a dashboard for data consumption based on business needs.
	Interface the machine sensors using OPC based middleware.
	Extract information from OPC using custom drivers or DSlink.
	Remove duplicates and send filtered data to cloud.
	Process real time critical alerts for immediate action.

### QUESTION 2



```
descriptor-schema-version: "2.4"

info:
  name: hello world
  description: "Hello world lxc type application"
  version: "1.0"
  author-link: "http://www.cisco.com"
  author-name: "Cisco Systems"

app:
  type: 
  cpuarch: x86_64
  resources:
    profile: custom
    cpu: 200
    memory: 64
    disk: 2

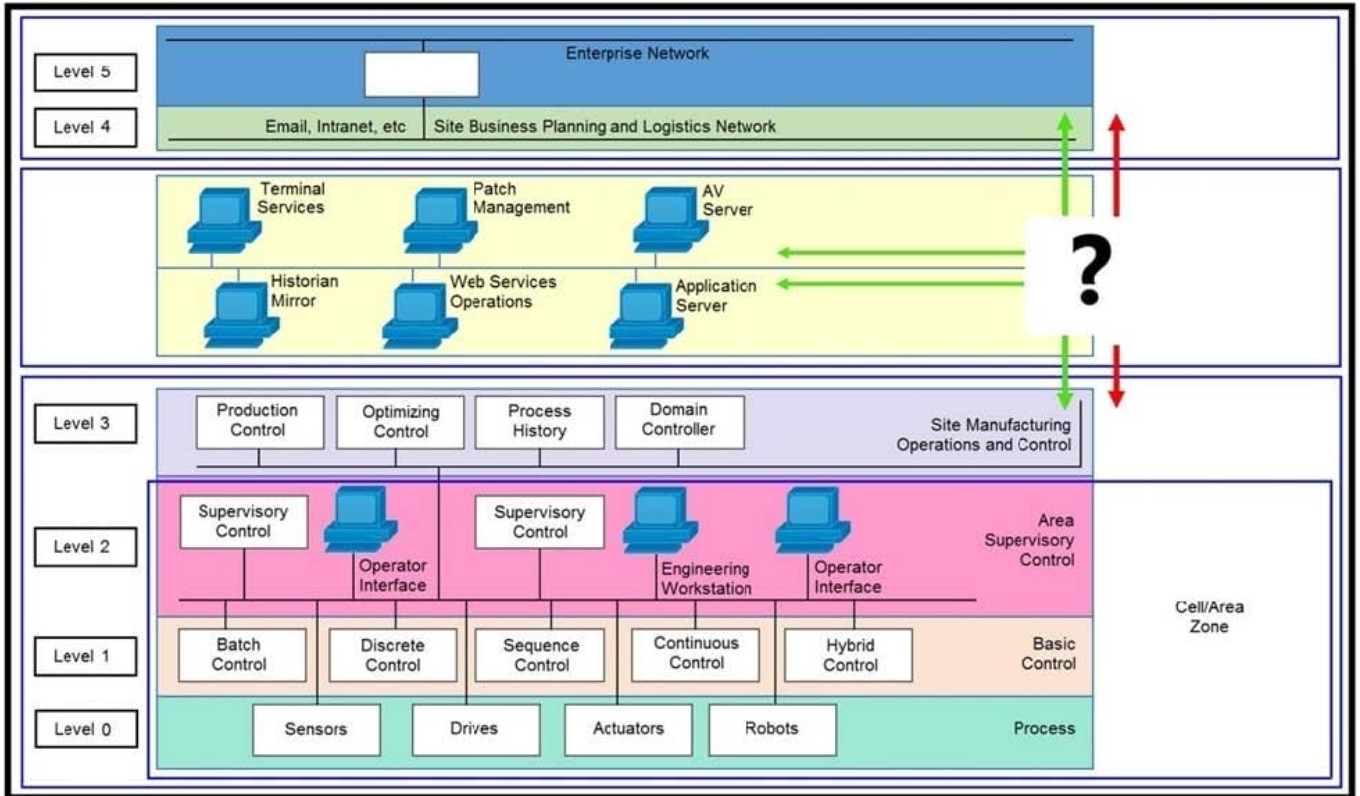
    network:
      -
        interface-name: eth0
# Specify runtime and startup
startup:
  rootfs: rootfs.tar
  target: "/var/helloworld/helloworld"
```

Refer to the exhibit. While troubleshooting an error on an application descriptor for a Docker app in Cisco IOx (package.yaml), the app type appears to be missing. Which app type must be added to the snippet to resolve the issue?

- A. paas
- B. docker-vm
- C. docker
- D. docker-app

Correct Answer: C

### QUESTION 3



Refer to the exhibit. Which product must be positioned where the "?" is placed to connect these different network levels?

- A. firewall
- B. switch
- C. router
- D. wireless access port

Correct Answer: C

**QUESTION 4**



```
{
  "set1": {
    "Source.IP": "192.168.0.52",
    "Source.Port": 443,
    "Destination.IP": "192.168.0.55",
    "Destination.Port": 44447,
    "Protocol": 6,
    "Timestamp": "07/10/201911:12:20",
    "Flow.Duration": "131",
    "Total.Fwd.Packets": "8"
  },
  "set2": {
    "Source.IP": "192.168.0.48",
    "Source.Port": 80,
    "Destination.IP": "192.168.0.49",
    "Destination.Port": 5000,
    "Protocol": 6,
    "Timestamp": "07/10/201911:12:20",
    "Flow.Duration": "246",
    "Total.Fwd.Packets": "21"
  },
  "set3": {
    "Source.IP": "192.168.5.50",
    "Source.Port": 8000,
    "Destination.IP": "10.0.0.91",
    "Destination.Port": 8000,
    "Protocol": 6,
    "Timestamp": "07/10/201911:12:20",
    "Flow.Duration": "567",
    "Total.Fwd.Packets": "321"
  },
  "set4": "Output shorted..."
}
```

Refer to the exhibit. The code snippet provides information about the packet captures within a network.

How can the most used source IP addresses within a specific time be visualized?

- A. line graph
- B. bar histogram
- C. scatter plot
- D. heatmap

Correct Answer: B



#### QUESTION 5

How does the Cisco router (IR) and switch (IE) portfolio support edge data services?

- A. Edge data services can be run and managed as containers using Cisco IOx.
- B. Edge data services can run only in virtual machines on a separate compute layer.
- C. Edge data services are aliases for IR/IE configuration services.
- D. Edge data services run as separate instances only on virtual machines.

Correct Answer: C

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