

Wilson Jonathan Oey

52021801

The screenshot shows the Google Cloud Platform console for the 'Praktikum 3 CC' project. The 'Kubernetes Engine' section is active, displaying a list of clusters under the 'OVERVIEW' tab. The table lists three clusters: 'ahyarnodeapp' (us-central1-c), 'wilsonnodeappsingapore' (asia-southeast1-a), and 'wilsonnodeeuropean' (europe-north-1-a). Each cluster has 3 nodes, 6 vCPUs, and 12 GB of memory. The 'wilsonnodeappsingapore' cluster is highlighted.

Status	Name	Location	Number of nodes	Total vCPUs	Total memory	Notifications	Labels
✓	ahyarnodeapp	us-central1-c	3	6	12 GB	—	⋮
✓	wilsonnodeappsingapore	asia-southeast1-a	3	6	12 GB	—	⋮
✓	wilsonnodeeuropean	europe-north-1-a	3	6	12 GB	—	⋮

Zona Singapura

The screenshot shows the details for the 'wilsonnodeappsingapore' cluster. The 'DETAILS' tab is selected, showing 'Cluster basics' and 'Automation' sections. The cluster is located in the 'asia-southeast1-a' zone, using the 'Regular channel' release channel, and has a total size of 3 nodes. The endpoint is 34.143.156.91. The automation section shows that maintenance windows, notifications, vertical pod autoscaling, node auto-provisioning, and autoscaling profile are all disabled.

Property	Value	Action
Name	wilsonnodeappsingapore	🔒
Location type	Zonal	🔒
Control plane zone	asia-southeast1-a	🔒
Default node zones	asia-southeast1-a	✎
Release channel	Regular channel	🔒
Version	1.21.6-gke.1503	🔒
Total size	3	🔒
Endpoint	34.143.156.91	🔒
Maintenance window	Any time	✎
Maintenance exclusions	None	✎
Notifications	Disabled	✎
Vertical Pod Autoscaling	Disabled	✎
Node auto-provisioning	Disabled	✎
Autoscaling profile	Balanced	✎

The screenshot shows the details for the 'nginx-singapore-service' service. The 'OVERVIEW' tab is selected, displaying resource usage graphs for CPU, Memory, and Disk. The CPU usage is 0.02, Memory is 150MB, and Disk is 6GB. The service is located in the 'asia-southeast1-a' zone, using the 'Regular channel' release channel, and has a total size of 3 nodes. The endpoint is 34.142.196.14.80. The load balancer section shows that the service has a fixed external IP to route traffic to the application.

Property	Value
Cluster	wilsonnodeappsingapore
Namespace	default
Labels	app: nginx-singapore
Logs	nginx-singapore
Type	LoadBalancer
External endpoints	34.142.196.14.80

**Services & Ingress**

- Applications
- Secrets & ConfigMaps
- Storage
- Object Browser
- Migrate to containers
- Backup for GKE
- Config Management

Marketplace

Release Notes

**Load Balancer**

Cluster IP: 10.100.14.176  
Load balancer IP: 34.142.196.14  
Load balancer: a45005ee177a34d16af5728daafa5eab

**Deployments**

Name	Status	Pods
nginx-singapore	OK	3/3

**Serving pods**

Name	Status	Endpoints	Restarts	Created on
nginx-singapore-8578978f57-mbp8p	Running	10.96.1.4	0	Apr 14, 2022, 4:24:14 AM
nginx-singapore-8578978f57-mrfhl	Running	10.96.0.4	0	Apr 14, 2022, 4:24:14 AM
nginx-singapore-8578978f57-tbxbn	Running	10.96.2.9	0	Apr 14, 2022, 4:24:14 AM

**Ports**

Port	Node Port	Target Port	Protocol
80	32415	8000	TCP

**PORT FORWARDING**

The IP address is externally facing. Visit the address to see the deployment.

**Suggested next steps**

- [Scale the deployment](#) by changing the number of replicas in the deployment
- [Perform a rolling update](#) to change the deployment image
- [Deploy a stateful application](#) to your cluster

Windows Taskbar: 4:27 AM 4/14/2022

Browser: 34.142.196.14

Nama : Wilson Jonathan Oey NIM : 52021801 Jurusan : Informatika

## Zona Eropa

**Google Cloud Platform** Praktikum 3 CC

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**Kubernetes Engine**

Clusters EDIT DELETE ADD NODE POOL DEPLOY CONNECT DUPLICATE OPERATIONS HELP ASSISTANT

**wilsonnodeeuropean**

DETAILS NODES STORAGE LOGS

**Cluster basics**

Name	wilsonnodeeuropean	
Location type	Zonal	
Control plane zone	europa-north1-a	
Default node zones	europa-north1-a	
Release channel	Regular channel	UPGRADE AVAILABLE
Version	1.21.6-gke.1503	
Total size	3	
Endpoint	35.228.70.104	Show cluster certificate

**Automation**

Maintenance window	Any time	
Maintenance exclusions	None	
Notifications	Disabled	
Vertical Pod Autoscaling	Disabled	
Node auto-provisioning	Disabled	
Autoscaling profile	Balanced	

Windows Taskbar: 4:54 AM 4/14/2022

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Kubernetes Engine

Service details | REFRESH | EDIT | DELETE | KUBECTL

### nginx-europe-service

OVERVIEW | DETAILS | EVENTS | LOGS | YAML

1 hour | 6 hours | 12 hours | 1 day | 2 days | 4 days | 7 days | 14 days | 30 days | Custom

CPU: 0.02 | Memory: 150MiB | Disk: 6GiB

Cluster: wilsonnodeeuropean | Namespace: default | Labels: app: nginx-europe | Logs: nginx-europe | Type: LoadBalancer | External endpoints: 34.88.187.55, 80

Load Balancer

Cluster IP: 10.4.13.82

Services & Ingress

### Load Balancer

Cluster IP: 10.4.13.82 | Load balancer IP: 34.88.187.55 | Load balancer: af242a452bbee4b1eaddcf9bd2fc0f0d

### Deployments

Name	Status	Pods
nginx-europe	OK	3/3

### Serving pods

Name	Status	Endpoints	Restarts	Created on
nginx-europe-6996b4cbcf-wzxdv	Running	10.0.2.5	0	Apr 14, 2022, 4:48:05 AM
nginx-europe-6996b4cbcf-hnpph	Running	10.0.1.6	0	Apr 14, 2022, 4:48:05 AM
nginx-europe-6996b4cbcf-xfnj2	Running	10.0.2.6	0	Apr 14, 2022, 4:48:05 AM

### Ports

Port	Node Port	Target Port	Protocol
80	30764	8000	TCP

PORT FORWARDING

The IP address is externally facing. Visit the address to see the deployment.

### Suggested next steps

Scale the deployment by changing the number of replicas in the deployment

Perform a rolling update to change the deployment image

Deploy a stateful application to your cluster

nginx-europe-service | 34.88.187.55

nginx-europe-service | 34.88.187.55

Name: Wilson Jonathan Oley NDM | 52021801 | Jurusan: Informatika

452 AM 4/14/2022