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How-To Use OTC Application Operations Management (AOM) with Terraform-built Kubernetes Cluster (CCE)

This assumes that you have created a CCE via Terraform and you have a shared TFState, for example via a OBS Bucket. We recommend to put all the code from steps 1-3 inside a Terraform module. If you don't use a separate module for this, you must change step 3 from an output variable to a local variable.

1. Create a special user with a random password in the project where the CCE is provisioned.

2. Create access keys for that user.

```
resource opentelekomcloud_identity_credential_v3 icagentinstaller_keys {
   user_id = opentelekomcloud_identity_user_v3.icagentinstaller.id
   status = "active"
   description = "Access and Secret Key of ICAgent Installer (installs
ICAgent on Kubernetes Nodes)"
}
```

3. Generate script that should be executed on kubernetes nodes after the normal installation.

```
output "node-postinstall-script" {
    depends_on =
[opentelekomcloud_identity_credential_v3.icagentinstaller_keys]
    value = "curl http://icagent-eu-de.obs.eu-de.otc.t-
systems.com/ICAgent_linux/apm_agent_install.sh > apm_agent_install.sh &&
REGION=eu-de bash apm_agent_install.sh -ak
${opentelekomcloud_identity_credential_v3.icagentinstaller_keys.access} -sk
${opentelekomcloud_identity_credential_v3.icagentinstaller_keys.secret} -
region eu-de -projectid ${var.otc_project_id} -obsdomain obs.eu-de.otc.t-
systems.com -accessip 100.125.7.25;"
}
```

4. Utilize script when initializing nodes of the kubernetes cluster.

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5. Utilize it on separate node pools to support monitoring them, too.

6. Recreate nodes and node pools

```
terraform taint terraform taint
module.cluster.opentelekomcloud_cce_node_v3.nodes[\"1\"]
terraform taint terraform taint
module.cluster.opentelekomcloud_cce_node_v3.nodes[\"2\"]
terraform taint
module.cluster_autoscaling.opentelekomcloud_cce_node_pool_v3.node_pool_autos
cale
terraform apply
```

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7. Check functionality in Web Console

