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Terraform

Sergey Migalnikov

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sergey_mig








sergey.migalnikov



Sergey Migalnikov

sergey.migalnikov@novanet.no

Blog: <https://sergeydotnet.com>




Sergey .NET

Fullstack Backend developer with special interests for DevOps

HOME TAGS AUTHOR LINKEDIN TWITTER


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MICROSOFT ACCOUNT

Windows Service

I decided to write a blog series about Windows Services. All blog posts I found about it, is kind of outdated and not covering all functionality any developer need to create Windows Services.



1 MIN READ

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Terraform


A collection of 5 posts



AZURE DEVOPS

Create Azure App Service with Azure DevOps using Terraform


We start with my public Azure DevOps project TerraformConfiguration. To get started with Terraform read my blogs: Get started with TerraformUsing Terraform with Azure DevOps or Using Terraform with Azure DevOps using YAML.



TERRAFORM

Using Terraform with Azure DevOps using YAML

To get started read my previous blogsCreate Azure Resource Group using Terraform - to create your first Terraform configurationUsing Terraform with Azure DevOps - detailed description how to use Azure DevOpsLog in to



AZURE DEVOPS

Using Terraform with Azure DevOps

We start with create New pipeline. To take a look at my pipelines visit my public Azure DevOps project: <https://dev.azure.com/sergeydotnet/TerraformConfiguration>Click on Pipelines-> BuildsNew pipelineClick on

Novanet

5

Infrastructure as Code (IaC)

Proessen med å administrere data sentre gjennom maskinlesbare definisjonsfiler

Infrastructure as Code (IaC)

Mark Burgess, Luke Kanies og Adam Jacob



Infrastructure as Code

- Håndterer skriptene som produksjonskode

Infrastructure as Code

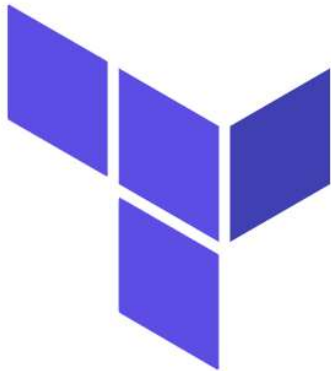
- Eliminerer menneskelig faktor
- Alle endringer er dokumentert i versjonskontroll
- Enkelt å rulle fram og tilbake
- Bruker ressurser når man trenger dem

Azure IaC verktøy

- ARM Template
- Terraform
- Azure CLI
- Azure Rest API

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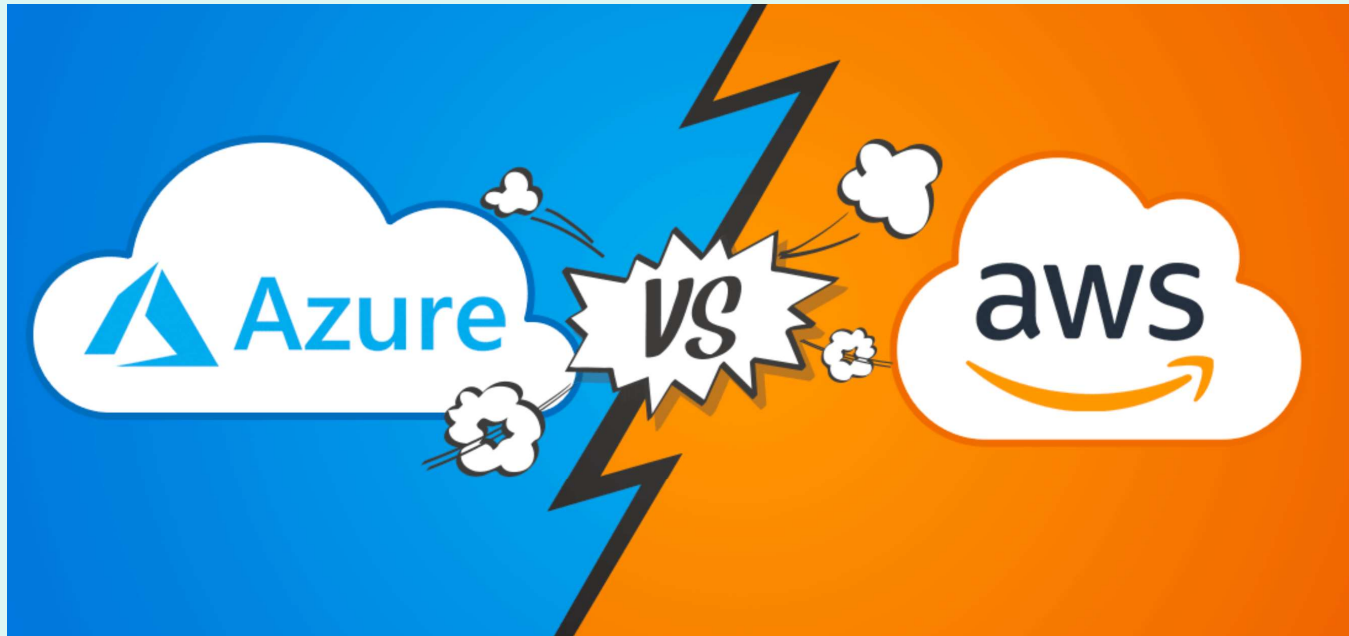
HashiCorp Terraform



HashiCorp

Terraform

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File Edit Selection View Go Debug Terminal Help • aws_terraform.tf - terraformAWSvsAzure - Visual Studio Code [Administrator]

azure_terraform.tf •

azure_terraform.tf > ...

1 references

```

1 resource "azurerm_resource_group" "test" {
2   name      = "acceptanceTestResourceGroup1"
3   location  = "West US"
4 }
5
0 references
6 resource "azurerm_sql_server" "test" {
7   name                        = "mysqlserver"
8   resource_group_name        = "${azurerm_resource_group.name}"
9   location                    = "West US"
10  version                     = "12.0"
11  administrator_login         = "user"
12  administrator_login_password = "password"
13 }
14

```

aws_terraform.tf •

aws_terraform.tf > ...

0 references

```

1 resource "aws_db_instance" "default" {
2   allocated_storage = 20
3   storage_type      = "gp2"
4   engine             = "mysql"
5   engine_version     = "5.7"
6   instance_class     = "db.t2.micro"
7   name               = "mydb"
8   username            = "foo"
9   password            = "foobarbaz"
10  parameter_group_name = "default.mysql5.7"
11 }
12

```

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FOR INDIVIDUALS

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Collaboration features for practitioners and small teams.

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All Open Source capabilities plus collaboration and governance features for using Terraform across an organization

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Terraform med VS Code

Installer to utvidelser

- Terraform
- Azure Terraform

Download: <https://www.terraform.io/downloads.html>



FreeBSD

32-bit | 64-bit | Arm



Linux

32-bit | 64-bit | Arm



OpenBSD

32-bit | 64-bit



Solaris

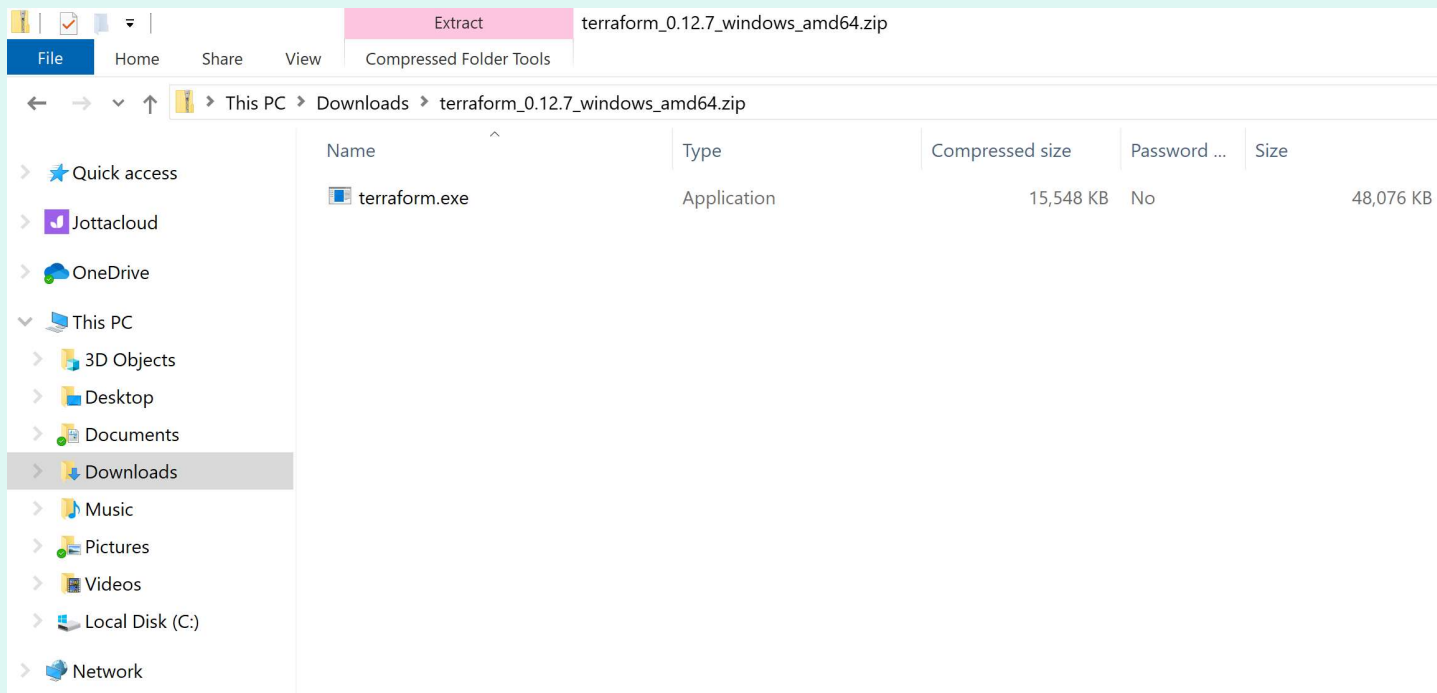
64-bit



Windows

32-bit | 64-bit

Zip



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Demo

Tips

- Automatiser generering av miljøene fra starten av
- Splitt konfigurasjon i filer
- Parametriser

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