**Data Sources**

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Data sources allow data to be fetched or computed for use elsewhere in Terraform configuration. The use of data sources allows a Terraform configuration to make use of information defined outside of Terraform, or defined by another separate Terraform configuration.

Each provider may offer data sources alongside its set of resource types.

**Using Data Sources**

A data source is accessed via a special kind of resource known as a data resource, declared using a data block:

#example.tf

provider "aws" {

region = "us-east-1"

}

data "aws\_ami" "ec2-ami" {

owners = ["amazon"]

most\_recent = true

filter {

name = "name"

values = ["amzn2-ami-hvm\*"]

}

}

resource "aws\_instance" "myec2" {

ami = data.aws\_ami.ec2-ami.id

instance\_type = "t2.micro"

}

**Argument Reference**

owners: (Required) List of AMI owners to limit the search. At least 1 value must be specified. Valid values: an AWS account ID, ***self*** (the current account), or an AWS owner alias (e.g. ***amazon***, ***aws-marketplace***, ***microsoft***).

most\_recent: (Optional) If more than one result is returned, use the most recent AMI.

filter: (Optional) One or more name/value pairs to filter off of. There are several valid keys, for a full reference, check out ***describe-images in the AWS CLI*** reference.