

Azure Front Door is a global, scalable entry-point for delivering and protecting web applications. It functions as a content delivery network (CDN) with intelligent routing and load balancing capabilities, as well as offering features for traffic acceleration, global load balancing, SSL termination, and web application firewall (WAF) protection.

```
provider "azurerm" {
  features {}
}

resource "azurerm_resource_group" "example" {
  name      = "example-resources"
  location  = "East US"
}

resource "azurerm_frontdoor" "example" {
  name                        = "example-frontdoor"
  resource_group_name        = azurerm_resource_group.example.name
  location                   = azurerm_resource_group.example.location
  tags                       = { environment = "Production" }

  frontend_endpoint {
    name            = "example-frontend"
    host_name       = "example.com"
    custom_https_configuration {
      certificate_source = "FrontDoor"
    }
  }
}

routing_rule {
  name                        = "example-routing-rule"
  frontend_endpoints         = [azurerm_frontdoor.example.frontend_endpoint[*].name]
  accepted_protocols         = ["Http", "Https"]
  patterns_to_match          = ["//*"]
  forwarding_protocol        = "MatchRequest"
  backend_pool_name          = azurerm_frontdoor_backend_pool.example.name
  forwarding_path             = "/"
  enable_caching              = false
  require_tls                = false
  response_based_origin_error_detection_settings {
    response_based_origin_error_detection = "Enabled"
  }
}

backend_pool_load_balancing_settings {
  name                        = "example-lb-settings"
  sample_size                = 4
  successful_samples_required = 2
  additional_latency_milliseconds = 50
}

backend {
  address = "example.azurewebsites.net"
}

backend {
  address = "example.blob.core.windows.net"
}
```