Here is a detailed document for creating an **Azure Policy** that enforces a naming convention for **Resource Groups**. The naming pattern enforced is:

rg-ms-springpetclinic-<env>-uks-<number>

Where:

* rg = Resource Group
* ms = Microservice
* springpetclinic = Application name
* <env> = Environment (e.g., dev, test, sit, ppe, prod)
* uks = Azure Region (UK South)
* <number> = A numeric identifier (e.g., 01, 02)

**How to Assign This Policy**

1. **Go to Azure Portal**
   * Navigate to **Policy** service.
2. **Create a New Policy Definition**
   * Click **Definitions** → **+ Policy definition**
   * Name: Enforce Resource Group Naming Convention
   * Category: Naming
   * Definition location: Select appropriate Management Group or Subscription
   * Paste the policy JSON above
3. **Assign the Policy**
   * Go to **Assignments** → **+ Assign policy**
   * Choose:
     + Scope: Subscription or Management Group
     + Policy definition: Enforce Resource Group Naming Convention
     + Leave parameters blank (as none used in this policy)
4. **Save and Monitor**
   * Use **Compliance** tab to track non-compliant resources.

**Sample Compliant Names**

* rg-ms-springpetclinic-dev-uks-01
* rg-ms-springpetclinic-prod-uks-02

{

"properties": {

"displayName": "Enforce naming convention for Resource Groups",

"policyType": "Custom",

"mode": "All",

"description": "Ensure that all resource groups follow the naming convention: rg-ms-springpetclinic-<env>-uks-<nn> where env is dev, test, sit, ppe, or prod.",

"metadata": {

"version": "1.0.0",

"category": "Naming"

},

"parameters": {},

"policyRule": {

"if": {

"field": "name",

"notMatch": "^rg-ms-springpetclinic-(dev|test|sit|ppe|prod)-uks-[0-9]{2}$"

},

"then": {

"effect": "deny"

}

}

}

}