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资源示例 2021-07-26

创建一台云服务器

创建云服务器实例资源文件。

在Terraform-ksyun目录下创建一个instance. tf文件,编辑文件按照指定格式输入创建云服务器相关的配置参数,注意参数名称小写。

```
# vim instance.tf
```

执行 terraform plan 查看部署计划,这里参数前面的+代表新添加的资源,当销毁资源时,参数前面对应的符号会变为-; 更改一些参数需要重新部署资源时,该资源前面的符号为-/+。

#terraform plan

执行 terraform apply 进行资源创建

#terraform apply

输入 yes ,显示成功创建资源

```
Enter a value: yes
ksyun_instance.default: Creating...
ksyun_instance.default: Still creating... [10s elapsed]
ksyun_instance.default: Still creating... [20s elapsed]
ksyun_instance.default: Still creating... [30s elapsed]
ksyun_instance.default: Still creating... [30s elapsed]
ksyun_instance.default: Creation complete after 31s [id=64a539dc-65bd-4135-8ec4-132b53d151c5]
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
You have new mail in /var/spool/mail/root
[costdonal0_0_00_2_Tesesform_bounder]]
```

控制台查看云服务器资源创建成功

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创建一个MySQL高可用实例

在Terraform-ksyun目录下创建一个instance.tf文件,编辑文件按照指定格式输入创建MySQL高可用实例相关的配置参数,注意参数名称小写。 »Create a RDS MySQL instance

```
provider "ksyum" {
    region = "cn-shanghai-3"
    access key = ""
    secret_key = ""
}

variable "available_zone" {
    default = 'cn-shanghai-3a"
}

resource "ksyum_subnet" "foo "{
    subnet_name = "ksyum-vpc-tf"
    cidr_block = "10.70.0/21"
}

resource "ksyum_subnet" "foo "{
    subnet_name = "ksyum-subnet-tf"
    cidr_block = "10.70.0/21"

subnet_type = "Reserve"
    dhep_ip_to = "10.70.253"
    vpc_id = "{ksyum_bpc_default.id}"
    gateway_ip = "10.70.12"
    dhep_ip_to = "10.70.253"
    vpc_id = "{ksyum_bpc_default.id}"
    gateway_ip = "10.70.1"
    dnsl = "jms_l8.254.40"
    availability_zone = "${var.available_zone}"
}

resource "ksyum_krds_security_group" "krds_sec_group_14" {
    output_file = "output_file"
    security_group_nedescription = "terraform_security_group_14"
    security_group_rule_protocol = "182.133.0.0/16"
    security_group_rule_pame = "asdf"
}

security_group_rule_pame = "asdf"
}

resource "ksyum_krds" "my_rds_xx" {
    output_file = "output_file"
    security_group_rule_name = "asdf2"
}
}

resource "ksyum_krds" "my_rds_xx" {
    output_file = "output_file"
    db_instance_class= "db.ram_2|db.disk.21"
    db_instance_name = "houbin_terraform_1-n"
    db_instance_name = "houbin_terraform_1-n"
    db_instance_name = "houbin_terraform_1-n"
    db_instance_name = "fnobin_terraform_1-n"
    db_instance_name = "fnobin_terraform_1-n"
    db_instance_name = "fnobin_terraform_1-n"
    db_instance_name = "knobin_terraform_1-n"
    db_instance_name = "knobin_terraform_1-n"
    db_instance_type = "IRDS"
    engine = "mysal"
    engine_version = "5.7"
    master_user_passord = "123qweASD123"
    vpc_id = "${ksyum_vpc_default.id}"
    subnet_id = "ksyum_vpc_default.id]"
    subnet_id = "ksyum_vpc_default.id]"
    security_group_refered_backup_time = "0:00-02:00"
    availability_zone_1 = "cn-shanghai-3b"
    instance_bas_eip = true
}
```

执行 terraform plan 查看部署计划,这里参数前面的+代表新添加的资源,当销毁资源时,参数前面对应的符号会变为-; 更改一些参数需要重新部署资源时,该资源前面的符号为-/+。

#terraform plan

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```
1031248comdeMBP:rds 1031248990qq.com$ terraform plan
Refreshing Terraform state in-memory prior to plan...
The refreshed state will be used to calculate this plan, but will not be
persisted to local or remote state storage.
An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
  + create
Terraform will perform the following actions:
  # ksyun_krds.houbin_terraform_4 will be created
  + resource "ksyun_krds" "houbin_terraform_4" {
      + bill_type
                             = "DAY"
                             = "db.ram.2|db.disk.21"
      + db_instance_class
                             = "houbin_terraform_1-n"
      + db_instance_name
                             = "HRDS"
      + db_instance_type
       engine
                             = "mysql"
                             = "5.5"
       engine_version
                             = (known after apply)
      + master_user_name
                             = "admin"
      + master_user_password = "123qweASD123"
                             = "output_file'
      + output file
      + preferred_backup_time = "01:00-02:00"
      + security_group_id = (known after apply)
                             = (known after apply)
      + subnet_id
      + vpc_id
                             = (known after apply)
      + krds {
          + audit
                                    = (known after apply)
          + availability_zone
                                    = (known after apply)
                                    = (known after apply)
          + bill_type
          + bill_type_id
                                    = (known after apply)
         + datastore_version_id
                                    = (known after apply)
         + db_instance_identifier = (known after apply)
                                    = (known after apply)
         + db_instance_name
         + db_instance_status
                                    = (known after apply)
         + db_instance_type
                                    = (known after apply)
          + db_parameter_group_id
                                   = (known after apply)
          + disk_used
                                    = (known after apply)
          + engine
                                    = (known after apply)
          + engine_version
                                    = (known after apply)
                                    = (known after apply)
          + group_id
                                    = (known after apply)
          + instance_create_time
          + master_availability_zone = (known after apply)
         + master_user_name
                                    = (known after apply)
          + multi_availability_zone
                                    = (known after apply)
                                    = (known after apply)
         + order_id
                                    = (known after apply)
         + order_source
                                    = (known after apply)
         + order_type
          + order_use
                                    = (known after apply)
         + port
                                    = (known after apply)
          + preferred_backup_time
                                   = (known after apply)
          + product_id
                                    = (known after apply)
                                    = (known after apply)
           product_what
                                    = (known after apply)
           project_id
                                    = (known after apply)
          + project_name
                                   = (known after apply)
          + publicly_accessible
          + region
                                    = (known after apply)
                                   = (known after apply)
          + security_group_id
         + service_end_time
                                    = (known after apply)
```

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+ slave_availability_zone = (known after apply)

+ service start time

+ sub_order_id

+ subnet_id

+ vip

+ vpc_id

```
+ db_instance_class {
           + disk
                      = (known after apply)
           + id
                      = (known after apply)
                      = (known after apply)
           + iops
           + max_conn = (known after apply)
                    = (known after apply)
           + mem
                      = (known after apply)
           + ram
           + vcpus
                     = (known after apply)
         }
        + db_source {
           + db_instance_identifier = (known after apply)
            + db_instance_name
                                 = (known after apply)
                                    = (known after apply)
            + db_instance_type
       + read_replica_db_instance_identifiers {
                                                  = (known after apply)
           + id
            + read_replica_db_instance_identifier = (known after apply)
           + vip
                                                  = (known after apply)
         }
     }
    + parameters {
        + name = "auto_increment_increment"
       + value = "8"
    + parameters {
      + name = "binlog_format"
       + value = "ROW"
 }
# ksyun_krds_security_group.krds_sec_group_233 will be created
+ resource "ksyun_krds_security_group" "krds_sec_group_233" {
    + id
                                 = (known after apply)
    + output_file
                                 = "output_file"
    + security_group_description = "terraform-security-group-233"
                                = "terraform_security_group_233"
    + security_group_name
    + security_group_rule {
                                     = "asdf"
        + security_group_rule_name
        + security_group_rule_protocol = "182.133.0.0/16"
      }
    + security_group_rule {
        + security_group_rule_name
                                    = "asdf2"
        + security_group_rule_protocol = "182.134.0.0/16"
    + security_groups {
       + created
                                     = (known after apply)
        + security_group_description = (known after apply)
                                    = (known after apply)
= (known after apply)
        + security_group_id
        + security_group_name
        + instances {
            + created
                                     = (known after apply)
            + db_instance_identifier = (known after apply)
                                = (known after apply)
            + db_instance_name
            + db_instance_type
                                     = (known after apply)
                                     = (known after apply)
            + vip
        + security_group_rules {
                                          = (known after apply)
           + created
                                        = (known after apply)
= (known after apply)
            + security_group_rule_id
            + security_group_rule_name
            + security_group_rule_protocol = (known after apply)
      }
  ļ
# ksyun_subnet.foo will be created
+ resource "ksyun_subnet" "foo" {
```

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```
+ availability_zone = "cn-shanghai-3a"
                        = "10.7.0.0/21"
      + cidr_block
                         = "10.7.0.2"
      + dhcp_ip_from
                         = "10.7.0.253"
      + dhcp_ip_to
                         = "198.18.254.41"
      + dns1
                         = "198.18.254.40"
      + dns2
                         = "10.7.0.1"
     + gateway_ip
                         = (known after apply)
      + id
                         = "ksyun-subnet-tf"
      + subnet_name
                         = "Reserve"
      + subnet_type
      + vpc_id
                         = (known after apply)
  # ksyun_vpc.default will be created
  + resource "ksyun_vpc" "default" {
     + cidr_block = "10.7.0.0/21"
+ id = (known after apply)
      + is_default = false
      + vpc_name = "ksyun-vpc-tf"
Plan: 4 to add, 0 to change, 0 to destroy.
Note: You didn't specify an "-out" parameter to save this plan, so Terraform
can't guarantee that exactly these actions will be performed if
"terraform apply" is subsequently run.
1031248comdeMBP:rds 1031248990qq.com$
执行 terraform apply 进行资源创建
#terraform apply
1031248comdeMBP:rds 1031248990qq.com$ terraform apply
ksyun_vpc.default: Refreshing state... [id=28a84f4b-fe26-4dba-a62b-6d695a6d5c00]
ksyun_krds_security_group.krds_sec_group_233: Refreshing state... [id=2616]
ksyun_subnet.foo: Refreshing state... [id=f5070d32-f1dd-4495-ac7a-cf4c8b849e56]
An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
  + create
Terraform will perform the following actions:
  # ksyun_krds.houbin_terraform_4 will be created
  + resource "ksyun_krds" "houbin_terraform_4" {
                            = "DAY"
     + bill type
      + db_instance_class
                             = "db.ram.2|db.disk.100"
                             = "houbin_terraform_1-n"
      + db_instance_name
                             = "HRDS"
      + db_instance_type
                             = "mysql"
      + engine
                             = "5.5"
      + engine_version
      + id
                             = (known after apply)
      + master_user_name
                              = "admin"
      + master_user_password = "123qweASD123"
      + output_file
                             = "output_file"
      + preferred_backup_time = "01:00-02:00"
      + security_group_id = "2616"
                             = "f5070d32-f1dd-4495-ac7a-cf4c8b849e56"
      + subnet_id
                             = "28a84f4b-fe26-4dba-a62b-6d695a6d5c00"
      + vpc id
      + krds {
          + audit
                                     = (known after apply)
          + availability_zone
                                     = (known after apply)
```

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```
+ bill_type
                                    = (known after apply)
          + bill_type_id
                                    = (known after apply)
          + datastore_version_id
                                    = (known after apply)
           db_instance_identifier = (known after apply)
          + db_instance_name
                                    = (known after apply)
                                    = (known after apply)
         + db instance status
         + db_instance_type
                                    = (known after apply)
         + db_parameter_group_id
                                    = (known after apply)
                                    = (known after apply)
         + disk used
         + engine
                                    = (known after apply)
         + engine_version
                                    = (known after apply)
         + group_id
                                    = (known after apply)
         + instance_create_time
                                   = (known after apply)
          + master_availability_zone = (known after apply)
          + master_user_name
                                    = (known after apply)
           multi_availability_zone = (known after apply)
          + order_id
                                    = (known after apply)
          + order_source
                                    = (known after apply)
         + order_type
                                    = (known after apply)
         + order_use
                                    = (known after apply)
         + port
                                    = (known after apply)
                                   = (known after apply)
         + preferred_backup_time
         + product_id
                                    = (known after apply)
         + product_what
                                    = (known after apply)
          + project_id
                                    = (known after apply)
         + project_name
                                    = (known after apply)
          + publicly_accessible
                                    = (known after apply)
          + region
                                    = (known after apply)
          + security_group_id
                                    = (known after apply)
          + service_end_time
                                    = (known after apply)
          + service_start_time
                                    = (known after apply)
输入 yes ,显示成功创建资源
      + parameters {
          + name = "binlog_format"
          + value = "ROW"
       }
Plan: 1 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
  Terraform will perform the actions described above.
 Only 'yes' will be accepted to approve.
  Enter a value: yes
Plan: 1 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.
  Enter a value: yes
ksyun krds.houbin terraform 4: Creating...
ksyun_krds.houbin_terraform_4: Still creating... [10s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [20s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [30s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [40s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [50s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [1m0s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [1m10s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [1m20s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [1m30s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [1m40s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [1m50s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [2m0s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [2m10s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [2m20s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [2m30s elapsed]
ksyun_krds.houbin_terraform_4: Still creating... [2m40s elapsed]
ksyun_krds.houbin_terraform_4: Creation complete after 2m4ls [id=4e6c8221-287e-435a-ae8a-e0c89475ad20]
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
1031248comdeMBP:rds 1031248990qq.com$
控制台查看MySQL高可用实例创建成功
houbin_terraform_1-n
                            运行中
                                         10.7.0.3
                                                      3306
                                                                    默认项目
                                                                                 多可用区
                                                                                               高可用
                                                                                                            2 G
                                                                                                                          100 G
```

创建一个MySQL只读实例

在Terraform-ksyun目录下创建一个instance.tf文件,编辑文件按照指定格式输入创建MySQL只读实例相关的配置参数,注意参数名称小写。 »Create a RDS Read Only MySQL instance

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```
parameters {
  name = "auto_increment_increment"
  value = "7"
parameters {
  name = "binlog_format"
  value = "ROW"
执行 terraform plan 查看部署计划,这里参数前面的+代表新添加的资源,当销毁资源时,参数前面对应的符号会变为-;更改一些参数需要重新部署资源时,该资源前面的符号为-/+。
1031248comdeMBP:rds-rr 1031248990qq.com$ terraform plan
Refreshing Terraform state in-memory prior to plan...
The refreshed state will be used to calculate this plan, but will not be
persisted to local or remote state storage.
An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
Terraform will perform the following actions:
  # ksyun_krds.houbin_terraform_777 will be created
  + resource "ksyun_krds" "houbin_terraform_777" {
      + bill type
                             = "DAY"
                              = "db.ram.2|db.disk.100"
      + db instance class
                             = "houbin_terraform_1-n"
      + db_instance_name
                              = "HRDS"
      + db_instance_type
                              = "mysql"
      + engine
                             = "5.5"
      + engine_version
      + id
                             = (known after apply)
      + master_user_name
                              = "admin"
      + master_user_password = "123qweASD123"
                             = "output_file"
      + output_file
      + preferred_backup_time = "01:00-02:00"
      + security_group_id
                            = (known after apply)
 Plan: 5 to add, 0 to change, 0 to destroy.
 Note: You didn't specify an "-out" parameter to save this plan, so Terraform
 can't guarantee that exactly these actions will be performed if
 "terraform apply" is subsequently run.
<sup>1</sup> 1031248comdeMBP:rds-rr 1031248990qq.com$ ■
执行 terraform apply 进行资源创建
1031248comdeMBP:rds-rr 1031248990qq.com$ terraform apply
An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
  + create
Terraform will perform the following actions:
  # ksyun_krds.houbin_terraform_777 will be created
  + resource "ksyun_krds" "houbin_terraform_777" {
      + bill_type
                             = "DAY"
                             = "db.ram.2|db.disk.100"
      + db instance class
      + db_instance_name
                             = "houbin_terraform_1-n"
                             = "HRDS"
      + db_instance_type
                             = "mysql"
      + engine
                             = "5.5"
      + engine_version
                             = (known after apply)
      + id
      + master_user_name
                             = "admin"
      + master_user_password = "123qweASD123"
      + output_file
                              = "output_file"
      + preferred_backup_time = "01:00-02:00"
      + security_group_id = (known after apply)
      + subnet_id
                              = (known after apply)
      + vpc_id
                              = (known after apply)
      + krds {
                                     = (known after apply)
          + audit
```

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资源示例 2021-07-26

输入 yes ,显示成功创建资源 Plan: 3 to add, 0 to change, 0 to destroy. Do you want to perform these actions? Terraform will perform the actions described above. Only 'yes' will be accepted to approve. Enter a value: yes ksyun_krds_security_group.krds_sec_group_233: Creating... ksyun_krds_security_group.krds_sec_group_233: Creation complete after 1s [id=2617] ksyun_krds.houbin_terraform_777: Creating... Plan: 3 to add, 0 to change, 0 to destroy. Do you want to perform these actions? Terraform will perform the actions described above. Only 'yes' will be accepted to approve. Enter a value: ves ksyun_krds_security_group.krds_sec_group_233: Creating... ksyun_krds_security_group.krds_sec_group_233: Creation complete after 1s [id=2617] ksvun krds.houbin terraform 777: Creating... ksyun_krds.houbin_terraform_777: Still creating... [10s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [20s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [30s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [40s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [50s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m0s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m10s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m20s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m30s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m40s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m50s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m0s elapsed] ksyun krds.houbin terraform 777: Still creating... [2m10s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m20s elapsed] ksyun krds.houbin terraform 777: Still creating... [2m30s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m40s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m50s elapsed] ksyun_krds.houbin_terraform_777: Creation complete after 2m52s [id=dc48606c-e04a-4868-b76a-88a3e3a24fa5] ksyun_krds_rr.rds-rr-1: Creating... ksyun_krds_rr.rds-rr-1: Still creating... [10s elapsed] ksyun_krds_rr.rds-rr-1: Still creating... [20s elapsed] ksyun_krds_security_group.krds_sec_group_233: Creating... ksyun_krds_security_group.krds_sec_group_233: Creation complete after 1s [id=2617] ksyun_krds.houbin_terraform_777: Creating... ksyun_krds.houbin_terraform_777: Still creating... [10s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [20s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [30s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [40s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [50s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m0s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m10s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m20s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m30s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m40s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [1m50s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m0s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m10s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m20s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m30s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m40s elapsed] ksyun_krds.houbin_terraform_777: Still creating... [2m50s elapsed] ksyun_krds.houbin_terraform_777: Creation complete after 2m52s [id=dc48606c-e04a-4868-b76a-88a3e3a24fa5] ksyun_krds_rr.rds-rr-1: Creating... ksyun_krds_rr.rds-rr-1: Still creating... [10s elapsed] ksyun_krds_rr.rds-rr-1: Still creating... [20s elapsed] ksyun_krds_rr.rds-rr-1: Still creating... [30s elapsed] ksyun_krds_rr.rds-rr-1: Still creating... [40s elapsed] ksyun_krds_rr.rds-rr-1: Still creating... [50s elapsed] ksyun_krds_rr.rds-rr-1: Still creating... [1m0s elapsed] ksyun_krds_rr.rds-rr-1: Still creating... [1m10s elapsed] ksyun_krds_rr.rds-rr-1: Still creating... [1m20s elapsed] ksyun_krds_rr.rds-rr-1: Still creating... [1m30s elapsed] ksyun_krds_rr.rds-rr-1: Creation complete after 1m39s [id=51762f22-3476-4842-b061-6c973a357e4e] Apply complete! Resources: 3 added, 0 changed, 0 destroyed. 1031248comdeMBP:rds-rr 1031248990qq.com\$

控制台查看MySQL只读实例创建成功

资源示例

创建一个安全组

```
在Terraform-ksyun目录下创建一个instance、tf文件、编辑文件按照指定格式输入创建安全组相关的配置参数,注意参数名称小写。 »Create a RDS Security GroupL instance
»Create a RDS Security Group instance
resource "ksyun_krds_security_group" "krds_sec_group_13" {
   output_file = "output_file"
   security_group_name "terraform_security_group_13"
   security_group_description = "terraform-security-group-13"
   security_group_rule {
        security_group_rule |
        security_group_rule |
        security_group_rule |
        security_group_rule |
        security_group_rule |
        security_group_rule_name = "asdf"
}
 }
security_group_rule{
    security_group_rule_protocol = "182.134.0.0/16"
    security_group_rule_name = "asdf2"
执行 terraform plan 查看部署计划,这里参数前面的+代表新添加的资源,当销毁资源时,参数前面对应的符号会变为-;更改一些参数需要重新部署资源时,该资源前面的符号为-/+。
1031248comdeMBP:rds-sec 1031248990qq.com$ terraform plan
 Refreshing Terraform state in-memory prior to plan...
 The refreshed state will be used to calculate this plan, but will not be
 persisted to local or remote state storage.
 An execution plan has been generated and is shown below.
 Resource actions are indicated with the following symbols:
   + create
 Terraform will perform the following actions:
   # ksyun_krds_security_group.krds_sec_group_13 will be created
   + resource "ksyun_krds_security_group" "krds_sec_group_13" {
        + id
                                            = (known after apply)
                                            = "output_file"
        + output_file
        + security_group_description = "terraform-security-group-13"
                                           = "terraform_security_group_13"
        + security_group_name
        + security_group_rule {
                                                   = "wtf"
             + security_group_rule_name
             + security_group_rule_protocol = "182.133.0.0/16"
            + instances {
                                                = (known after apply)
                 + created
                 + db_instance_identifier = (known after apply)
                                               = (known after apply)
                 + db_instance_name
                 + db_instance_type
                                                = (known after apply)
                 + vip
                                                = (known after apply)
              }
            + security_group_rules {
                 + created
                                                        = (known after apply)
                 + security_group_rule_id
                                                       = (known after apply)
                  + security_group_rule_name
                                                       = (known after apply)
                 + security_group_rule_protocol = (known after apply)
         }
Plan: 1 to add, 0 to change, 0 to destroy.
Note: You didn't specify an "-out" parameter to save this plan, so Terraform
can't guarantee that exactly these actions will be performed if
"terraform apply" is subsequently run.
1031248comdeMBP:rds-sec 1031248990qq.com$
执行 terraform apply 进行资源创建
#terraform apply
```

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```
1031248comdeMBP:rds-sec 1031248990qq.com$ terraform apply
An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
  + create
Terraform will perform the following actions:
  # ksyun_krds_security_group.krds_sec_group_13 will be created
  + resource "ksyun_krds_security_group" "krds_sec_group_13" {
      + id
                                   = (known after apply)
      + output_file
                                   = "output_file"
      + security_group_description = "terraform-security-group-13"
                                  = "terraform_security_group_13"
      + security_group_name
      + security_group_rule {
          + security_group_rule_name
                                        = "wtf"
          + security_group_rule_protocol = "182.133.0.0/16"
        }
      + security_group_rule {
                                        = "wtf"
          + security_group_rule_name
          + security_group_rule_protocol = "182.134.0.0/16"
        }
      + security_groups {
                                       = (known after apply)
输入 yes ,显示成功创建资源
  Plan: 1 to add. 0 to change. 0 to destroy.
  Do you want to perform these actions?
    Terraform will perform the actions described above.
    Only 'yes' will be accepted to approve.
   Enter a value: yes
  ksyun_krds_security_group.krds_sec_group_13: Creating...
  ksyun_krds_security_group.krds_sec_group_13: Creation complete after 1s [id=2618]
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
 1031248comdeMBP:rds-sec 1031248990qq.com$
                                                                                      控制台查看创建安全组创建成功
                                                                      关联实例数
安全组名称
                                    安全组描述
                                                                                                      创建时间
                                                                                                                                      操作
    terraform_security_group_13
                                  terraform-security-group-13
```

创建一个SQL Server高可用实例

在Terraform-ksyun目录下创建一个instance.tf文件,编辑文件按照指定格式输入创建SQL Server实例相关的配置参数,注意参数名称小写。 »Create a RDS SqlServer instance

2019-12-10 23:50:38

terraform-security-group-233

```
provider "ksyum." {
    region = "cn-shanghai-3"
    access key = ""
    secret_key = ""
}

variable "available_zone" {
    default = "cn-shanghai-3a"
}

resource "ksyum.ypc" "default" {
    vpc_name = "ksyum-vpc-tf"
    cidr_block = "10.7.0.0/21"
}

resource "ksyum_subnet" "foo" {
    subnet_name = "ksyum-subnet-tf"
    cidr_block = "10.7.0.0/21"

resource "ksyum_subnet" "foo" {
    subnet_name = "ksyum-subnet-tf"
    cidr_block = "10.7.0.0/21"

subnet_type = "Reserve"
dhep.ip_ton = "10.7.0.253"
    vpc_id = "s[ksyum_yoc.default.id]"
    gateway_ip = "10.7.0.1"
dnsl = "jps_18.254.40"
availability_zone = "$(var.available_zone)"
}

resource "ksyum_sqlserver" "sqlserver-1" {
    output_file = "output_file dbinstancelass="db.ram_2|db.disk.20"
    dbinstancelass= "db.ram_2|db.disk.20"
dbinstancelass= "ksyum_sqlserver_1"
dbinstancelass= "glows Ss"
    engine = "$GlServer"
    engineversion = "2008r2"
    masterusername = "admin"
    masterusername = "admin"
    masterusername = "ladqueASD"
    vpc_id = "$(ksyum_vpc.default.id)"
    subnet_id = "$(ksyum_vpc.default.id)"
    subnet_id = "$(ksyum_vpc.default.id)"
    subnet_id = "$(ksyum_vpc.default.id)"
    subnet_id = "$(ksyum_vpc.default.id)"
```

terraform_security_group_233

执行 terraform plan 查看部署计划,这里参数前面的+代表新添加的资源,当销毁资源时,参数前面对应的符号会变为-; 更改一些参数需要重新部署资源时,该资源前面的符号为-/+。

#terraform plan

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#terraform apply

```
1031248comdeMBP:sqlserver 1031248990qq.com$ terraform plan
Refreshing Terraform state in-memory prior to plan...
The refreshed state will be used to calculate this plan, but will not be
persisted to local or remote state storage.
An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
  + create
Terraform will perform the following actions:
  # ksyun_sqlserver.ks-ss-233 will be created
  + resource "ksyun_sqlserver" "ks-ss-233" {
                            = "DAY"
      + bill_type
                           = "db.ram.2|db.disk.100"
      + db_instance_class
      + db_instance_name
                            = "ksyun_sqlserver_1"
                            = "HRDS_SS"
      + db_instance_type
                            = "S0LServer"
      + engine
                            = "2008r2"
      + engine_version
                            = (known after apply)
      + id
      + master_user_name
                            = "admin"
      + master_user_password = "123qweASD"
                         = "output_file"
      + output_file
      + subnet_id
                            = (known after apply)
      + vpc_id
                            = (known after apply)
     + availability_zone = "cn-shanghai-2b"
                        = "10.7.0.0/21"
      + cidr_block
     + dhcp_ip_from
                         = "10.7.0.2"
     + dhcp_ip_to
                         = "10.7.0.253"
                         = "198.18.254.41"
     + dns2
                         = "198.18.254.40"
                         = "10.7.0.1"
     + gateway_ip
                         = (known after apply)
     + id
                        = "ksyun-subnet-tf"
     + subnet_name
     + subnet_type
                         = "Reserve"
                         = (known after apply)
      + vpc_id
 # ksyun_vpc.default will be created
   resource "ksyun_vpc" "default" {
     + cidr_block = "10.7.0.0/21"
      + id
                 = (known after apply)
      + is_default = false
      + vpc_name = "ksyun-vpc-tf"
Plan: 3 to add, 0 to change, 0 to destroy.
Note: You didn't specify an "-out" parameter to save this plan, so Terraform
can't guarantee that exactly these actions will be performed if
"terraform apply" is subsequently run.
执行 terraform apply 进行资源创建
```

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```
1031248comdeMBP:sqlserver 1031248990qq.com$ terraform apply
An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
  + create
Terraform will perform the following actions:
 # ksyun_sqlserver.ks-ss-233 will be created
  + resource "ksyun_sqlserver" "ks-ss-233" {
                            = "DAY"
     + bill_type
                           = "db.ram.2|db.disk.100"
      + db_instance_class
                           = "ksyun_sqlserver_1"
= "HRDS_SS"
      + db_instance_name
     + db_instance_type
                            = "SQLServer"
      + engine
                            = "2008r2"
      + engine_version
     + id
                           = (known after apply)
     + master_user_name
                           = "admin"
     + master_user_password = "123qweASD"
     + output_file
                      = "output_file"
      + subnet_id
                           = (known after apply)
                            = (known after apply)
      + vpc_id
      + sqlservers {
                                    = (known after apply)
          + audit
          + availability_zone
                                    = (known after apply)
         + bill_type
                                    = (known after apply)
                                                                             输入 yes ,显示成功创建资源
  # ksyun_vpc.default will be created
  + resource "ksyun_vpc" "default" {
     + cidr_block = "10.7.0.0/21"
      + id
                 = (known after apply)
      + is_default = false
      + vpc_name = "ksyun-vpc-tf"
Plan: 3 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
 Terraform will perform the actions described above.
 Only 'yes' will be accepted to approve.
 Enter a value: yes
ksyun_vpc.default: Creating...
ksyun_vpc.default: Creation complete after 3s [id=9e92a60b-9165-4f50-8010-73591e19e54f]
ksyun_subnet.foo: Creating...
ksyun_subnet.foo: Creation complete after 2s [id=d3ed30f2-a044-49dd-af33-699449d0e1c8]
ksyun_sqlserver.ks-ss-233: Creating...
ksyun_sqlserver.ks-ss-233: Still creating... [10s elapsed]
```

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```
ksyun_vpc.default: Creating...
 ksyun_vpc.default: Creation complete after 3s [id=9e92a60b-9165-4f50-8010-73591e19e54f]
 ksyun_subnet.foo: Creating...
 ksyun_subnet.foo: Creation complete after 2s [id=d3ed30f2-a044-49dd-af33-699449d0e1c8]
 ksyun_sqlserver.ks-ss-233: Creating...
 ksyun sqlserver.ks-ss-233: Still creating... [10s elapsed]
ksyun_sqlserver.ks-ss-233: Still creating... [20s elapsed]
ksyun_sqlserver.ks-ss-233: Still creating... [30s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [40s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [50s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [1m0s elapsed]
ksyun_sqlserver.ks-ss-233: Still creating... [1m10s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [1m20s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [1m30s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [1m40s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [1m50s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [2m0s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [2m10s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [2m20s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [2m30s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [2m40s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [2m50s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [3m0s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [3m10s elapsed]
ksyun_sqlserver.ks-ss-233: Still creating... [3m20s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [3m30s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [3m40s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [3m50s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [4m0s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [4m10s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [4m20s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [4m30s elapsed]
 ksyun_sqlserver.ks-ss-233: Still creating... [4m40s elapsed]
 ksyun_sqlserver.ks-ss-233: Creation complete after 4m44s [id=cc2e471f-8e3b-45e6-93c6-86575ea54035]
 Apply complete! Resources: 3 added, 0 changed, 0 destroyed.
 1031248comdeMBP:sqlserver 1031248990qq.com$
```

控制台查看SQL Server实例创建成功

ksyun_sqlserver_1

运行中

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