

## » rabbitmq\_binding

The `rabbitmq_binding` resource creates and manages a binding relationship between a queue and an exchange.

### » Example Usage

```
resource "rabbitmq_vhost" "test" {
  name = "test"
}

resource "rabbitmq_permissions" "guest" {
  user  = "guest"
  vhost = "${rabbitmq_vhost.test.name}"

  permissions {
    configure = ".*"
    write     = ".*"
    read      = ".*"
  }
}

resource "rabbitmq_exchange" "test" {
  name = "test"
  vhost = "${rabbitmq_permissions.guest.vhost}"

  settings {
    type       = "fanout"
    durable    = false
    auto_delete = true
  }
}

resource "rabbitmq_queue" "test" {
  name = "test"
  vhost = "${rabbitmq_permissions.guest.vhost}"

  settings {
    durable    = true
    auto_delete = false
  }
}

resource "rabbitmq_binding" "test" {
```

```

source          = "${rabbitmq_exchange.test.name}"
vhost           = "${rabbitmq_vhost.test.name}"
destination     = "${rabbitmq_queue.test.name}"
destination_type = "queue"
routing_key     = "#"
}

```

## » Argument Reference

The following arguments are supported:

- **source** - (Required) The source exchange.
- **vhost** - (Required) The vhost to create the resource in.
- **destination** - (Required) The destination queue or exchange.
- **destination\_type** - (Required) The type of destination (queue or exchange).
- **routing\_key** - (Optional) A routing key for the binding.
- **arguments** - (Optional) Additional key/value arguments for the binding.

## » Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **properties\_key** - A unique key to refer to the binding.

## » Import

Bindings can be imported using the `id` which is composed of `vhost/source/destination/destination_type/`.  
E.g.

```
$ terraform import rabbitmq_binding.test test/test/test/queue/%23
```

## » rabbitmq\_exchange

The `rabbitmq_exchange` resource creates and manages an exchange.

## » Example Usage

```
resource "rabbitmq_vhost" "test" {
  name = "test"
}

resource "rabbitmq_permissions" "guest" {
  user   = "guest"
  vhost  = "${rabbitmq_vhost.test.name}"

  permissions {
    configure = ".*"
    write     = ".*"
    read      = ".*"
  }
}

resource "rabbitmq_exchange" "test" {
  name   = "test"
  vhost  = "${rabbitmq_permissions.guest.vhost}"

  settings {
    type       = "fanout"
    durable    = false
    auto_delete = true
  }
}
```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) The name of the exchange.
- **vhost** - (Required) The vhost to create the resource in.
- **settings** - (Required) The settings of the exchange. The structure is described below.

The **settings** block supports:

- **type** - (Required) The type of exchange.
- **durable** - (Optional) Whether the exchange survives server restarts. Defaults to **false**.
- **auto\_delete** - (Optional) Whether the exchange will self-delete when all queues have finished using it.

- **arguments** - (Optional) Additional key/value settings for the exchange.

## » Attributes Reference

No further attributes are exported.

## » Import

Exchanges can be imported using the `id` which is composed of `name@vhost`.  
E.g.

```
terraform import rabbitmq_exchange.test test@vhost
```

## » rabbitmq\_permissions

The `rabbitmq_permissions` resource creates and manages a user's set of permissions.

## » Example Usage

```
resource "rabbitmq_vhost" "test" {
  name = "test"
}

resource "rabbitmq_user" "test" {
  name      = "mctest"
  password  = "foobar"
  tags      = ["administrator"]
}

resource "rabbitmq_permissions" "test" {
  user  = "${rabbitmq_user.test.name}"
  vhost = "${rabbitmq_vhost.test.name}"

  permissions {
    configure = ".*"
    write     = ".*"
    read      = ".*"
  }
}
```

## » Argument Reference

The following arguments are supported:

- **user** - (Required) The user to apply the permissions to.
- **vhost** - (Required) The vhost to create the resource in.
- **permissions** - (Required) The settings of the permissions. The structure is described below.

The **permissions** block supports:

- **configure** - (Required) The "configure" ACL.
- **write** - (Required) The "write" ACL.
- **read** - (Required) The "read" ACL.

## » Attributes Reference

No further attributes are exported.

## » Import

Permissions can be imported using the **id** which is composed of **user@vhost**.  
E.g.

```
terraform import rabbitmq_permissions.test user@vhost
```

## » rabbitmq\_policy

The **rabbitmq\_policy** resource creates and manages policies for exchanges and queues.

## » Example Usage

```
resource "rabbitmq_vhost" "test" {  
  name = "test"  
}  
  
resource "rabbitmq_permissions" "guest" {  
  user  = "guest"  
  vhost = "${rabbitmq_vhost.test.name}"  
  
  permissions {
```

```

        configure = ".*"
        write      = ".*"
        read       = ".*"
    }
}

resource "rabbitmq_policy" "test" {
    name = "test"
    vhost = "${rabbitmq_permissions.guest.vhost}"

    policy {
        pattern = ".*"
        priority = 0
        apply_to = "all"

        definition {
            ha-mode = "all"
        }
    }
}

```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) The name of the policy.
- **vhost** - (Required) The vhost to create the resource in.
- **policy** - (Required) The settings of the policy. The structure is described below.

The **policy** block supports:

- **pattern** - (Required) A pattern to match an exchange or queue name.
- **priority** - (Required) The policy with the greater priority is applied first.
- **apply\_to** - (Required) Can either be "exchange", "queues", or "all".
- **definition** - (Required) Key/value pairs of the policy definition. See the RabbitMQ documentation for definition references and examples.

## » Attributes Reference

No further attributes are exported.

## » Import

Policies can be imported using the `id` which is composed of `name@vhost`. E.g.

```
terraform import rabbitmq_policy.test name@vhost
```

## » rabbitmq\_queue

The `rabbitmq_queue` resource creates and manages a queue.

### » Example Usage

#### » Basic Example

```
resource "rabbitmq_vhost" "test" {
  name = "test"
}

resource "rabbitmq_permissions" "guest" {
  user  = "guest"
  vhost = "${rabbitmq_vhost.test.name}"

  permissions {
    configure = ".*"
    write     = ".*"
    read      = ".*"
  }
}

resource "rabbitmq_queue" "test" {
  name  = "test"
  vhost = "${rabbitmq_permissions.guest.vhost}"

  settings {
    durable      = false
    auto_delete = true
  }
}
```

#### » Example With JSON Arguments

```
variable "arguments" {
  default = <<EOF
```

```

{
  "x-message-ttl": 5000
}
EOF
}

resource "rabbitmq_vhost" "test" {
  name = "test"
}

resource "rabbitmq_permissions" "guest" {
  user = "guest"
  vhost = "${rabbitmq_vhost.test.name}"

  permissions {
    configure = ".*"
    write      = ".*"
    read       = ".*"
  }
}

resource "rabbitmq_queue" "test" {
  name = "test"
  vhost = "${rabbitmq_permissions.guest.vhost}"

  settings {
    durable      = false
    auto_delete = true
    arguments_json = "${var.arguments}"
  }
}

```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) The name of the queue.
- **vhost** - (Required) The vhost to create the resource in.
- **settings** - (Required) The settings of the queue. The structure is described below.

The **settings** block supports:

- **durable** - (Optional) Whether the queue survives server restarts. Defaults to **false**.



- **auto\_delete** - (Optional) Whether the queue will self-delete when all consumers have unsubscribed.
- **arguments** - (Optional) Additional key/value settings for the queue. All values will be sent to RabbitMQ as a string. If you require non-string values, use **arguments\_json**.
- **arguments\_json** - (Optional) A nested JSON string which contains additional settings for the queue. This is useful for when the arguments contain non-string values.

## » Attributes Reference

No further attributes are exported.

## » Import

Queues can be imported using the **id** which is composed of **name@vhost**. E.g.

```
terraform import rabbitmq_queue.test name@vhost
```

## » rabbitmq\_user

The **rabbitmq\_user** resource creates and manages a user.

**Note:** All arguments including username and password will be stored in the raw state as plain-text. Read more about sensitive data in state.

## » Example Usage

```
resource "rabbitmq_user" "test" {
  name      = "mctest"
  password  = "foobar"
  tags      = ["administrator", "management"]
}
```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) The name of the user.
- **password** - (Required) The password of the user. The value of this argument is plain-text so make sure to secure where this is defined.

- **tags** - (Optional) Which permission model to apply to the user. Valid options are: management, policymaker, monitoring, and administrator.

## » Attributes Reference

No further attributes are exported.

## » Import

Users can be imported using the **name**, e.g.

```
terraform import rabbitmq_user.test mctest
```

## » rabbitmq\_vhost

The `rabbitmq_vhost` resource creates and manages a vhost.

## » Example Usage

```
resource "rabbitmq_vhost" "my_vhost" {  
  name = "my_vhost"  
}
```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) The name of the vhost.

## » Attributes Reference

No further attributes are exported.

## » Import

Vhosts can be imported using the **name**, e.g.

```
terraform import rabbitmq_vhost.my_vhost my_vhost
```