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```
compute_disk
yandex_
compute_disk_
placement_
group
yandex_
compute_
```

## **Argument Reference**

The following arguments are supported:

- resources (Required) Compute resources that are allocated for the instance. The structure is documented below.
- boot\_disk (Required) The boot disk for the instance. The structure is documented below.
- network\_interface (Required) Networks
  to attach to the instance. This can be
  specified multiple times. The structure is
  documented below.
- name (Optional) Resource name.

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- folder\_id (Optional) The ID of the folder that the resource belongs to. If it is not provided, the default provider folder is used.
- labels (Optional) A set of key/value label pairs to assign to the instance.
- zone (Optional) The availability zone where the virtual machine will be created. If it is not provided, the default provider folder is used.
- hostname (Optional) Host name for the instance. This field is used to generate the instance fqdn value. The host name must be unique within the network and region. If not specified, the host name will be equal to id of the instance and fqdn will be <id>.auto.internal
   Otherwise FQDN will be <hostname>.
   <region\_id>.internal
- metadata (Optional) Metadata
   key/value pairs to make available from within the instance.
- platform\_id (Optional) The type of virtual machine to create. The default is 'standard-v1'.
- secondary\_disk (Optional) A list of

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this structure.

- scheduling\_policy (Optional)
   Scheduling policy configuration. The structure is documented below.
- placement\_policy (Optional) The placement policy configuration. The structure is documented below.
- service\_account\_id (Optional) ID of the service account authorized for this instance.
- allow\_stopping\_for\_update (Optional) If true, allows Terraform to stop the instance in order to update its properties. If you try to update a property that requires stopping the instance without setting this field, the update will fail.
- network\_acceleration\_type (Optional)
   Type of network acceleration. The default is standard . Values: standard , software\_accelerated
- local\_disk (Optional) List of local disks that are attached to the instance.
   Structure is documented below.
- metadata\_options (Optional) Options

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filesystems that are attached to the instance. Structure is documented below.

gpu\_cluster\_id - (Optional) ID of the
 GPU cluster to attach this instance to.
 The GPU cluster must exist in the same
 zone as the instance.

The resources block supports:

- cores (Required) CPU cores for the instance.
- memory (Required) Memory size in GB.
- core\_fraction (Optional) If provided,
   specifies baseline performance for a core as a percent.

The boot\_disk block supports:

- auto\_delete (Optional) Defines
   whether the disk will be auto-deleted
   when the instance is deleted. The default
   value is True .
- device\_name (Optional) Name that can be used to access an attached disk.
- mode (Optional) Type of access to the

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existing disk (such as those managed by yandex\_compute\_disk) to attach as a boot disk.

initialize\_params - (Optional)
 Parameters for a new disk that will be created alongside the new instance.
 Either initialize\_params or disk\_id must be set. The structure is documented below.

```
A NOTE:

Either initialize_params or disk_id must be specified.
```

The initialize\_params block supports:

- name (Optional) Name of the boot disk.
- description (Optional) Description of the boot disk.
- size (Optional) Size of the disk in GB.
- block\_size (Optional) Block size of the disk, specified in bytes.
- type (Optional) Disk type.

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initialize this disk from.



The network\_interface block supports:

- subnet\_id (Required) ID of the subnet
  to attach this interface to. The subnet
  must exist in the same zone where this
  instance will be created.
- ipv4 (Optional) Allocate an IPv4 address for the interface. The default value is true.
- ip\_address (Optional) The private IP address to assign to the instance. If empty, the address will be automatically assigned from the specified subnet.
- ipv6 (Optional) If true, allocate an
   IPv6 address for the interface. The
   address will be automatically assigned
   from the specified subnet.
- <u>ipv6\_address</u> (Optional) The private IPv6 address to assign to the instance.

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- nat\_ip\_address (Optional) Provide a
  public address, for instance, to access
  the internet over NAT. Address should
  be already reserved in web UI.
- security\_group\_ids (Optional) Security
   group ids for network interface.
- dns\_record (Optional) List of configurations for creating ipv4 DNS records. The structure is documented below.
- ipv6\_dns\_record (Optional) List of configurations for creating ipv6 DNS records. The structure is documented below.
- nat\_dns\_record (Optional) List of configurations for creating ipv4 NAT DNS records. The structure is documented below.

The dns\_record block supports:

- fqdn (Required) DNS record FQDN (must have a dot at the end).
- dns\_zone\_id (Optional) DNS zone ID (if not set, private zone used).

- (Ontional) DNIC record TTI in

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create a PTR DNS record.

The ipv6\_dns\_record block supports:

- fqdn (Required) DNS record FQDN (must have a dot at the end).
- dns\_zone\_id (Optional) DNS zone ID (if not set, private zone used).
- ttl (Optional) DNS record TTL. in seconds
- ptr (Optional) When set to true, also create a PTR DNS record.

The nat\_dns\_record block supports:

- fqdn (Required) DNS record FQDN (must have a dot at the end).
- dns\_zone\_id (Optional) DNS zone ID (if not set, private zone used).
- ttl (Optional) DNS record TTL. in seconds
- ptr (Optional) When set to true, also create a PTR DNS record.

The secondary disk block supports:

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- auto\_delete (Optional) Whether the disk is auto-deleted when the instance is deleted. The default value is false.
- device\_name (Optional) Name that can be used to access an attached disk under /dev/disk/by-id/.
- mode (Optional) Type of access to the disk resource. By default, a disk is attached in READ\_WRITE mode.

The scheduling\_policy block supports:

• preemptible - (Optional) Specifies if the instance is preemptible. Defaults to false.

The placement\_policy block supports:

- placement\_group\_id (Optional) Specifies the id of the Placement Group to assign to the instance.
- host\_affinity\_rules (Optional) List of host affinity rules. The structure is documented below.

## A NOTE:

Due to terraform limitations, simply deleting the placement\_policy fields

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```
placement_policy {
    placement_group_id = ""
    host_affinity_rules = []
}
```

The host\_affinity\_rules block supports:

- key (Required) Affinity label or one of reserved values - yc.hostId , yc.hostGroupId .
- op (Required) Affinity action. The only value supported is IN.
- value (Required) List of values (host IDs or host group IDs).

The local\_disk block supports:

size\_bytes - (Required) Size of the disk, specified in bytes.

#### A NOTE:

Local disks are not available for all users by default.

The filesystem block supports:

filesystem\_id - (Required) ID of the filesystem that should be attached

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- device\_name (Optional) Name of the device representing the filesystem on the instance.
- mode (Optional) Mode of access to the filesystem that should be attached.
   By default, filesystem is attached in
   READ\_WRITE mode.

### **Attributes Reference**

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

- fqdn The fully qualified DNS name of this instance.
- network\_interface.0.ip\_address
   The
   internal IP address of the instance.
- network\_interface.0.nat\_ip\_address
   The
   external IP address of the instance.
- status The status of this instance.
- created\_at Creation timestamp of the instance.
- local\_disk.device\_name The name of

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# **Timeouts**

This resource provides the following configuration options for timeouts:

- create Default 5 minutes
- update Default 5 minutes
- delete Default 5 minutes

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