Pureport Cloud Platform Provider

Example Usage

```
# Configure the Linode provider
provider "pureport" {
  api_key = "$SOME_KEY"
  api_secret = "$SOME_SECRET"
}

resource "pureport_account" "foobar" {
  # ...
}
```

Configuration Reference

The following keys can be used to configure the provider.

- `api_key` - (Optional) The Pureport API Key.
- `api_secret` - (Optional) The Pureport API Secret. This is required when the `api_key` is specified.
- `api_url` - (Optional) The Pureport REST API URL. (default: https://api.pureport.com (https://api.pureport.com))
- `auth_profile` - (Optional) If you are using Pureport configuration files for authentication, you can use this to specified the profile that should be used to read the API Key and Secret.

The values above can also be configured via the Environment variables below:

- PUREPORT_API_KEY
- PUREPORT_API_SECRET
- PUREPORT_ENDPOINT
- PUREPORT_PROFILE

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Debugging

You can use the standard Terraform `TF_LOG` levels to configure the debug logging output by this provider.

Data Source: pureport_account

Example Usage

```
data "pureport_accounts" "empty" {
}

data "pureport_accounts" "name_regex" {
  name_regex = "My Name.*"
}
```

Argument Reference

The following arguments are supported:

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/Account.md). Nested values are supported. E.g.("Location.DisplayName")
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

The Pureport Account resource exports the following attributes:

- `accounts` - The found list of accounts.
  - `id` - The unique identifier for the Pureport account.
  - `href` - The unique path reference to the Pureport account. This will be used by other resources to identify the account in most cases.
  - `name` - The name on the account.
  - `description` - The description of the account.
  - `tags` - A dictionary of user defined key/value pairs associated with this resource.

The Pureport Guide,

Data Source: pureport_aws_connection

Example Usage

```
data "pureport_aws_connection" "basic" {
  connection_id = "${data.pureport_connections.main.connections.0.id}"
}
```

Argument Reference

The following arguments are supported:

- `connection_id` - (Required) The ID of the connection. You should use the `pureport_connections` data source for querying the list of available connections and discover the ID for the connection.

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/AwsDirectConnectConnection.md). Nested values are supported. E.g.("Location.DisplayName")
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

- `name` - The name for the connection
- `location_href` - HREF for the Pureport Location to attach the connection.
- `network_href` - HREF for the network to associate the connection.
- `speed` - The maximum QoS for this connection. Valid values are 50, 100, 200, 300, 400, 500, 1000, 10000 in Mbps.
- `aws_account_id` - Your AWS Account ID.
- `aws_region` - The AWS region to create your connection.
- `description` - The description for the connection.
- `customer_networks` - A list of named CIDR block to easily identify a customer network.
  - `name` - The name for the network.
  - `address` - The CIDR block for the network
- `billing_term` - The billing term for the connection: (Currently only HOURLY is supported.)
- `high_availability` - Whether a redundant gateway is/should be provisioned for this connection.
- `peering_type` - The peering type to to use for the connection:

    - PRIVATE
    - PUBLIC
- `cloud_service_hrefs` - When PUBLIC peering is configured, a list of HREFs for the Public peering services to which we want access.
- `tags` - A dictionary of user defined key/value pairs to associate with this resource.
- `nat_config` - The Network Address Translation configuration for the connection.
    - `enabled` - Is NAT enabled for this connection.
    - `mappings` - List of NAT mapped CIDR address
        - `native_cidr` - The native CIDR block to map.
        - `nat_cidr` - The CIDR block use for NAT to the associated subnet.
    - `blocks` - List of reserved blocks for NAT.
    - `pnat_cidr` - CIDR use for PNAT between connections.
- `gateways` - List of cloud gateways and their configurations.
    - `name` - The name of the cloud gateway.
    - `description` - The description of the cloud gateway.
    - `availability_domain` - The availability domain of the cloud gateway. The valid values are `PRIMARY`, `SECONDARY`.
    - `customer_asn` - The customer ASN used for BGP Peering.
    - `customer_ip` - The assigned IP address to the customer side of the BGP Config.
    - `pureport_asn` - The Pureport ASN used for BGP Peering.
    - `pureport_ip` - The assigned IP address to the Pureport side of the BGP Config.
    - `bgp_password` - The autogenerated BGP password used for authentication.
    - `peering_subnet` - The BGP Config subnet assigned to establish BGP peering.
    - `public_nat_ip` - The public facing IP Address for NAT used by this connection.
    - `remote_id` - The ID of the AWS Direct Connect Connection.
    - `vlan` - The VLAN id for the connection to cloud services.

The Pureport Guide,

Data Source: pureport_azure_connection

Example Usage

```
data "pureport_azure_connection" "basic" {
  connection_id = "${data.pureport_connections.main.connections.0.id}"
}
```

Argument Reference

The following arguments are supported:

- `connection_id` - (Required) The ID of the connection. You should use the `pureport_connections` data source for querying the list of available connections and discover the ID for the connection.

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/AzureExpressRouteConnection.md). Nested values are supported. E.g.("Location.DisplayName")
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

- `name` - The name for the connection
- `location_href` - HREF for the Pureport Location to attach the connection.
- `network_href` - HREF for the network to associate the connection.
- `speed` - The maximum QoS for this connection. Valid values are 50, 100, 200, 300, 400, 500, 1000, 10000 in Mbps.
- `service_key` - The Azure service key for the Express Route Circuit.
- `description` - The description for the connection.
- `customer_networks` - A list of named CIDR block to easily identify a customer network.
  - `name` - The name for the network.
  - `address` - The CIDR block for the network
- `billing_term` - The billing term for the connection: (Currently only HOURLY is supported.)
- `high_availability` - Whether a redundant gateway is/should be provisioned for this connection.
- `peering_type` - The peering type to to use for the connection:
  - PRIVATE

    - PUBLIC
- `tags` - A dictionary of user defined key/value pairs to associate with this resource.
- `nat_config` - The Network Address Translation configuration for the connection.
    - `enabled` - Is NAT enabled for this connection.
    - `mappings` - List of NAT mapped CIDR address
        - `native_cidr` - The native CIDR block to map.
        - `nat_cidr` - The CIDR block use for NAT to the associated subnet.
    - `blocks` - List of reserved blocks for NAT.
    - `pnat_cidr` - CIDR use for PNAT between connections.
- `gateways` - List of cloud gateways and their configurations.
    - `name` - The name of the cloud gateway.
    - `description` - The description of the cloud gateway.
    - `availability_domain` - The availability domain of the cloud gateway. The valid values are `PRIMARY`, `SECONDARY`.
    - `customer_asn` - The customer ASN used for BGP Peering.
    - `customer_ip` - The assigned IP address to the customer side of the BGP Config.
    - `pureport_asn` - The Pureport ASN used for BGP Peering.
    - `pureport_ip` - The assigned IP address to the Pureport side of the BGP Config.
    - `bgp_password` - The autogenerated BGP password used for authentication.
    - `peering_subnet` - The BGP Config subnet assigned to establish BGP peering.
    - `public_nat_ip` - The public facing IP Address for NAT used by this connection.
    - `remote_id` - The ID of the Azure Express Route.
    - `vlan` - The VLAN id for the connection to cloud services.

The Pureport Guide,

Data Source: pureport_cloud_regions

Example Usage

```
data "pureport_cloud_regions" "name_regex" {
  name_regex = "US East.*"
}
```

Argument Reference

The following arguments are supported:

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/CloudRegion.md).
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

- `regions` - The found list of regions.
  - `id` - The unique identifier for the cloud region.
  - `name` - The display name for the cloud region.
  - `provider` - The cloud provider for the cloud region.
  - `identifier` - The identifier provided by the cloud provider for this region.
  - `tags` - A dictionary of user defined key/value pairs associated with this resource.

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Data Source: pureport_cloud_services

Example Usage

```
data "pureport_cloud_services" "name_regex" {
  name_regex = ".*S3 us-west-2"
}
```

Argument Reference

The following arguments are supported:

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/CloudService.md).
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

- `services` - The found list of cloud provider services.
  - `id` - The unique identifier for the cloud service.
  - `name` - The display name for the cloud service.
  - `provider` - The cloud provider for the cloud service.
  - `href` - The unique path reference to the cloud service. This will be used by other resources to identify the service in most cases.
  - `ipv4_prefix_count` - The number of IPv4 prefixes associated with this cloud service.
  - `ipv6_prefix_count` - The number of IPv6 prefixes associated with this cloud service.
  - `cloud_region_id` - The identifier for the cloud service where this service is located.
  - `tags` - A dictionary of user defined key/value pairs associated with this resource.

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Data Source: pureport_connections

Example Usage

```
data "pureport_accounts" "main" {
  name_regex = "My Account.*"
}

data "pureport_networks" "main" {
  account_href = "${data.pureport_accounts.main.accounts.0.href}"
  name_regex = "Connections"
}

data "pureport_connections" "empty" {
  network_href = "${data.pureport_networks.main.networks.0.href}"
}
```

Argument Reference

The following arguments are supported:

- `network_href` - (Required) The HREF for the Pureport network associated with the connections.

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/Connection.md).
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

- `connections` - A list of Pureport connections.
  - `id` - The unique identifier for the Pureport network.
  - `href` - The unique path reference for the Pureport connection.
  - `name` - The name of this connection.
  - `description` - The description for this connection.
  - `type` - The type of connection.
  - `speed` - The speed of this connection.
  - `location_href` - The HREF for the Pureport location associated with this connection.
  - `state` - The current state of this connection.

- `tags` - A dictionary of user defined key/value pairs associated with this resource.

Data Source: pureport_google_cloud_connection

Example Usage

```
data "pureport_google_cloud_connection" "basic" {
  connection_id = "${data.pureport_connections.main.connections.0.id}"
}
```

Argument Reference

The following arguments are supported:

- `connection_id` - (Required) The ID of the connection. You should use the `pureport_connections` data source for querying the list of available connections and discover the ID for the connection.

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/GoogleCloudInterconnectConnection.md).
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

- `name` - The name for the connection
- `location_href` - HREF for the Pureport Location to attach the connection.
- `network_href` - HREF for the network to associate the connection.
- `speed` - The maximum QoS for this connection. Valid values are 50, 100, 200, 300, 400, 500, 1000, 10000 in Mbps.
- `primary_pairing_key` - The pairing key for the primary Google Cloud Interconnect Attachment.
- `description` - The description for the connection.
- `customer_networks` - A list of named CIDR block to easily identify a customer network.
  - `name` - The name for the network.
  - `address` - The CIDR block for the network
- `billing_term` - The billing term for the connection: (Currently only HOURLY is supported.)
- `high_availability` - Whether a redundant gateway is/should be provisioned for this connection.
- `secodary_pairing_key` - If HA is enabled, the pairing key for the backup Google Cloud Interconnect Attachment.
- `tags` - A dictionary of user defined key/value pairs to associate with this resource.

- `nat_config` - The Network Address Translation configuration for the connection.
  - `enabled` - Is NAT enabled for this connection.
  - `mappings` - List of NAT mapped CIDR address
    - `native_cidr` - (Required) The native CIDR block to map.
    - `nat_cidr` - The CIDR block use for NAT to the associated subnet.
  - `blocks` - List of reserved blocks for NAT.
  - `pnat_cidr` - CIDR use for PNAT between connections.
- `gateways` - List of cloud gateways and their configurations.
  - `name` - The name of the cloud gateway.
  - `description` - The description of the cloud gateway.
  - `availability_domain` - The availability domain of the cloud gateway. The valid values are `PRIMARY`, `SECONDARY`.
  - `customer_asn` - The customer ASN used for BGP Peering.
  - `customer_ip` - The assigned IP address to the customer side of the BGP Config.
  - `pureport_asn` - The Pureport ASN used for BGP Peering.
  - `pureport_ip` - The assigned IP address to the Pureport side of the BGP Config.
  - `bgp_password` - The autogenerated BGP password used for authentication.
  - `peering_subnet` - The BGP Config subnet assigned to establish BGP peering.
  - `public_nat_ip` - N/A
  - `remote_id` - The ID of the Google Cloud Interconnect.
  - `remote_id` - The ID of the Google Cloud Interconnect.
  - `vlan` - The VLAN id for the connection to cloud services.

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Data Source: pureport_locations

Example Usage

```
data "pureport_locations" "name_regex" {
  name_regex = "^Sea*"
}
```

Argument Reference

The following arguments are supported:

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/Location.md).
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

- `locations` - A list of Pureport locations.
  - `id` - The unique identifier for the Pureport locations.
  - `href` - The unique path reference for the Pureport locations. This will be used by other resources to identify the locations in most cases.
  - `name` - The name of the location.
  - `links` - The available links to other Pureport locations.
    - `location_href` - The href of the linked location.
    - `speed` - The connection speed between the locations.
  - `tags` - A dictionary of user defined key/value pairs associated with this resource.

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Data Source: pureport_networks

Example Usage

```
data "pureport_accounts" "main" {
  name_regex = "My Account.*"
}

data "pureport_networks" "empty" {
  account_href = "${data.pureport_accounts.main.accounts.0.href}"
}
```

Argument Reference

The following arguments are supported:

- `account_href` - (Required) The HREF for the Pureport account associated with this network.

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/Network.md).
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

- `networks` - A list of Pureport networks.
  - `id` - The unique identifier for the Pureport network.
  - `href` - The unique path reference for the Pureport network. This will be used by other resources to identify the locations in most cases.
  - `name` - The name of the network.
  - `description` - The description for the network.
  - `account_href` - The HREF for the Pureport account associated with this network.
  - `tags` - A dictionary of user defined key/value pairs associated with this resource.

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Data Source: pureport_site_vpn_connection

Example Usage

```
data "pureport_site_vpn_connection" "basic" {
  connection_id = "${data.pureport_connections.main.connections.0.id}"
}
```

Argument Reference

The following arguments are supported:

- `connection_id` - (Required) The ID of the connection. You should use the `pureport_connections` data source for querying the list of available connections and discover the ID for the connection.

- `filter` - (Optional) A filter used to scope the list e.g. by tags.
  - `name` - (Required) The name of the filter. The valid values are defined in the Pureport SDK Model (https://github.com/pureport/pureport-sdk-go/blob/develop/docs/client/SiteIpSecVpnConnection.md).
  - `values` - (Required) The value of the filter. Currently only regex strings are supported.

Attributes

- `auth_type` - The Authentication Type to use. (Currently only `PSK` is supported.)
- `enable_bgp_password` - Enable BGP password authentication. (Default: false)
- `ike_version` - the IKE Version to use. Valid values are `V1`, `V2`.
- `ike_config` - IKE Configuration to use:
  - `esp` - Encapsulating Security Payload
    - `dh_group` - Diffie-Hellman Group
    - `encryption` - Encryption Algorithm
    - `integrity` - Integrity Algorithm
  - `ike` - Internet Key Exchange
    - `dh_group` - Diffie-Hellman Group
    - `encryption` - Encryption Algorithm
    - `integrity` - Integrity Algorithm
    - `prf` - Pseudo Random Function
- `primary_customer_router_ip` -

- `primary_key` -
- `routing_type` -
- `secondary_customer_router_ip` -
- `secondary_key` -
- `traffic_selectors` - List of Traffic Selectors for Route Based VPN
  - `customer_side` - The customer side CIDR block
  - `pureport_side` - The Pureport side CIDR block
- `name` - The name for the connection
- `location_href` - HREF for the Pureport Location to attach the connection.
- `network_href` - HREF for the network to associate the connection.
- `speed` - The maximum QoS for this connection. Valid values are 50, 100, 200, 300, 400, 500, 1000, 10000 in Mbps.
- `description` - The description for the connection.
- `customer_networks` - A list of named CIDR block to easily identify a customer network.
  - `name` - The name for the network.
  - `address` - The CIDR block for the network
- `billing_term` - The billing term for the connection: (Currently only HOURLY is supported.)
- `high_availability` - Whether a redundant gateway is/should be provisioned for this connection.
- `tags` - A dictionary of user defined key/value pairs to associate with this resource.
- `nat_config` - The Network Address Translation configuration for the connection.
  - `enabled` - Is NAT enabled for this connection.
  - `mappings` - List of NAT mapped CIDR address
    - `native_cidr` - The native CIDR block to map.
    - `nat_cidr` - The CIDR block use for NAT to the associated subnet.
  - `blocks` - List of reserved blocks for NAT.
  - `pnat_cidr` - CIDR use for PNAT between connections.
- `gateways` - List of cloud gateways and their configurations.
  - `name` - The name of the cloud gateway.
  - `description` - The description of the cloud gateway.
  - `availability_domain` - The availability domain of the cloud gateway. The valid values are `PRIMARY`, `SECONDARY`.
  - `customer_asn` - The customer ASN used for BGP Peering.
  - `customer_ip` - The assigned IP address to the customer side of the BGP Config.

- `pureport_asn` - The Pureport ASN used for BGP Peering.
- `pureport_ip` - The assigned IP address to the Pureport side of the BGP Config.
- `bgp_password` - The autogenerated BGP password used for authentication.
- `peering_subnet` - The BGP Config subnet assigned to establish BGP peering.
- `public_nat_ip` - The public facing IP Address for NAT used by this connection.
- `customer_gateway_ip` - The public IP address of the customers VPN equipment.
- `customer_vti_ip` - The assigned IP address to the customer side of the VTI tunnel.
- `pureport_gateway_ip` - The public IP address of the Pureport VPN gateway.
- `pureport_vti_ip` - The assigned IP address to the Pureport side of the VPN VTI tunnel.
- `vpn_auth_type` - The type of authentication used for the VPN Connection.
- `vpn_auth_key` - The Authentication Key used for the VPN Connection.

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Resource: pureport_aws_connection

Example Usage

```
data "pureport_accounts" "main" {
  name_regex = "MyAccount"
}

data "pureport_cloud_regions" "main" {
  name_regex = "Oregon"
}

data "pureport_locations" "main" {
  name_regex = "^Sea*"
}

data "pureport_networks" "main" {
  account_href = "${data.pureport_accounts.main.accounts.0.href}"
  name_regex = "MyNetwork.*"
}

resource "pureport_aws_connection" "main" {
  name = "AwsDirectConnectTest"
  speed = "100"
  high_availability = true

  location_href = "${data.pureport_locations.main.locations.0.href}"
  network_href = "${data.pureport_networks.main.networks.0.href}"

  aws_region = "${data.pureport_cloud_regions.main.regions.0.identifier}"
  aws_account_id = "123456789012"

  tags = {
    Environment = "production"
    Owner       = "Scott Pilgrim"
  }
}
```

Argument Reference

The following arguments are supported:

- `name` - (Required) The name for the connection
- `location_href` - (Required) HREF for the Pureport Location to attach the connection.
- `network_href` - (Required) HREF for the network to associate the connection.
- `speed` - (Required) The maximum QoS for this connection. Valid values are 50, 100, 200, 300, 400, 500, 1000, 10000 in Mbps.

- `aws_account_id` - (Required) Your AWS Account ID.
- `aws_region` - (Required) The AWS region to create your connection.

- `description` - (Optional) The description for the connection.
- `customer_networks` - (Optional) A list of named CIDR block to easily identify a customer network.
  - `name` - The name for the network.
  - `address` - The CIDR block for the network
- `nat_config` - (Optional) The Network Address Translation configuration for the connection.
  - `enabled` - (Required) Is NAT enabled for this connection.
  - `mappings` - (Optional) List of NAT mapped CIDR address
    - `native_cidr` - (Required) The native CIDR block to map.
- `billing_term` - (Optional) The billing term for the connection: (Currently only HOURLY is supported.)
- `high_availability` - (Optional) Whether a redundant gateway is/should be provisioned for this connection.
- `peering_type` - (Optional) The peering type to to use for the connection:
  - PRIVATE (Default)
  - PUBLIC
- `cloud_service_hrefs` - (Optional) When PUBLIC peering is configured, a list of HREFs for the Public peering services to which we want access.
- `tags` - (Optional) A dictionary of user defined key/value pairs to associate with this resource.

Attributes

- `nat_config` - The Network Address Translation configuration for the connection.
  - `enabled` - Is NAT enabled for this connection.
  - `mappings` - List of NAT mapped CIDR address
    - `native_cidr` - The native CIDR block to map.
    - `nat_cidr` - The CIDR block use for NAT to the associated subnet.
  - `blocks` - List of reserved blocks for NAT.
  - `pnat_cidr` - CIDR use for PNAT between connections.
- `gateways` - List of cloud gateways and their configurations.
  - `name` - The name of the cloud gateway.
  - `description` - The description of the cloud gateway.
  - `availability_domain` - The availability domain of the cloud gateway. The valid values are `PRIMARY`, `SECONDARY`.
  - `customer_asn` - The customer ASN used for BGP Peering.

- `customer_ip` - The assigned IP address to the customer side of the BGP Config.
- `pureport_asn` - The Pureport ASN used for BGP Peering.
- `pureport_ip` - The assigned IP address to the Pureport side of the BGP Config.
- `bgp_password` - The autogenerated BGP password used for authentication.
- `peering_subnet` - The BGP Config subnet assigned to establish BGP peering.
- `public_nat_ip` - The public facing IP Address for NAT used by this connection.
- `remote_id` - The ID of the AWS Direct Connect Connection.
- `vlan` - The VLAN id for the connection to cloud services.

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Resource: pureport_azure_connection

Example Usage

```
data "pureport_accounts" "main" {
  name_regex = "MyAccount"
}

data "pureport_locations" "main" {
  name_regex = "Sea.*"
}

data "pureport_networks" "main" {
  account_href = "${data.pureport_accounts.main.accounts.0.href}"
  name_regex = "MyNetwork"
}

resource "pureport_azure_connection" "main" {
  name = "AzureExpressRouteTest"
  description = "Some random description"
  speed = "100"
  high_availability = true

  location_href = "${data.pureport_locations.main.locations.0.href}"
  network_href = "${data.pureport_networks.main.networks.0.href}"

  service_key = "3166c9a8-1275-4e7b-bad2-0dc6db0c6e02"

  tags = {
    Environment = "production"
    Owner       = "Scott Pilgrim"
  }
}
```

Argument Reference

The following arguments are supported:

- `name` - (Required) The name for the connection
- `location_href` - (Required) HREF for the Pureport Location to attach the connection.
- `network_href` - (Required) HREF for the network to associate the connection.
- `speed` - (Required) The maximum QoS for this connection. Valid values are 50, 100, 200, 300, 400, 500, 1000, 10000 in Mbps.
- `service_key` - (Required) The Azure service key for the Express Route Circuit.

- `description` - (Optional) The description for the connection.

- `customer_networks` - (Optional) A list of named CIDR block to easily identify a customer network.
  - `name` - The name for the network.
  - `address` - The CIDR block for the network
- `nat_config` - (Optional) The Network Address Translation configuration for the connection.
  - `enabled` - (Required) Is NAT enabled for this connection.
  - `mappings` - (Optional) List of NAT mapped CIDR address
    - `native_cidr` - (Required) The native CIDR block to map.
- `billing_term` - (Optional) The billing term for the connection: (Currently only HOURLY is supported.)
- `high_availability` - (Optional) Whether a redundant gateway is/should be provisioned for this connection.
- `peering_type` - (Optional) The peering type to to use for the connection:
  - PRIVATE (Default)
  - PUBLIC
- `tags` - (Optional) A dictionary of user defined key/value pairs to associate with this resource.

Attributes

- `nat_config` - The Network Address Translation configuration for the connection.
  - `enabled` - Is NAT enabled for this connection.
  - `mappings` - List of NAT mapped CIDR address
    - `native_cidr` - (Required) The native CIDR block to map.
    - `nat_cidr` - The CIDR block use for NAT to the associated subnet.
  - `blocks` - List of reserved blocks for NAT.
  - `pnat_cidr` - CIDR use for PNAT between connections.
- `gateways` - List of cloud gateways and their configurations.
  - `name` - The name of the cloud gateway.
  - `description` - The description of the cloud gateway.
  - `availability_domain` - The availability domain of the cloud gateway. The valid values are `PRIMARY`, `SECONDARY`.
  - `customer_asn` - The customer ASN used for BGP Peering.
  - `customer_ip` - The assigned IP address to the customer side of the BGP Config.
  - `pureport_asn` - The Pureport ASN used for BGP Peering.
  - `pureport_ip` - The assigned IP address to the Pureport side of the BGP Config.
  - `bgp_password` - The autogenerated BGP password used for authentication.
  - `peering_subnet` - The BGP Config subnet assigned to establish BGP peering.

- `public_nat_ip` - The public facing IP Address for NAT used by this connection.
- `remote_id` - The ID of the Azure Express Route.
- `vlan` - The VLAN id for the connection to cloud services.

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Resource: pureport_google_cloud_connection

Example Usage

```
data "pureport_accounts" "main" {
  name_regex = "MyAccount"
}

data "pureport_locations" "main" {
  name_regex = "Sea.*"
}

data "google_compute_network" "default" {
  name = "default"
}

resource "google_compute_router" "main" {
  name    = "terraform-acc-router-${count.index + 1}"
  network = "${data.google_compute_network.default.name}"

  bgp {
    asn = "16550"
  }

  count = 2
}

resource "google_compute_interconnect_attachment" "main" {
  name   = "terraform-acc-interconnect-${count.index + 1}"
  router = "${element(google_compute_router.main.*.self_link, count.index)}"
  type   = "PARTNER"
  edge_availability_domain = "AVAILABILITY_DOMAIN_${count.index + 1}"

  lifecycle {
    ignore_changes = ["vlan_tag8021q"]
  }

  count = 2
}

resource "pureport_google_cloud_connection" "main" {
  name = "GoogleCloudTest"
  speed = "50"

  location_href = "${data.pureport_locations.main.locations.0.href}"
  network_href = "${data.pureport_networks.main.networks.0.href}"

  primary_pairing_key = "${google_compute_interconnect_attachment.main.0.pairing_key}"

  tags = {
    Environment = "production"
    Owner       = "Scott Pilgrim"
  }
}
```

Argument Reference

The following arguments are supported:

- `name` - (Required) The name for the connection
- `location_href` - (Required) HREF for the Pureport Location to attach the connection.
- `network_href` - (Required) HREF for the network to associate the connection.
- `speed` - (Required) The maximum QoS for this connection. Valid values are 50, 100, 200, 300, 400, 500, 1000, 10000 in Mbps.
- `primary_pairing_key` - (Required) The pairing key for the primary Google Cloud Interconnect Attachment.

- `description` - (Optional) The description for the connection.
- `customer_networks` - (Optional) A list of named CIDR block to easily identify a customer network.
  - `name` - The name for the network.
  - `address` - The CIDR block for the network
- `nat_config` - (Optional) The Network Address Translation configuration for the connection.
  - `enabled` - (Required) Is NAT enabled for this connection.
  - `mappings` - (Optional) List of NAT mapped CIDR address
    - `native_cidr` - (Required) The native CIDR block to map.
- `billing_term` - (Optional) The billing term for the connection: (Currently only HOURLY is supported.)
- `high_availability` - (Optional) Whether a redundant gateway is/should be provisioned for this connection.
- `secodary_pairing_key` - (Optional) If HA is enabled, the pairing key for the backup Google Cloud Interconnect Attachment.
- `tags` - (Optional) A dictionary of user defined key/value pairs to associate with this resource.

Attributes

- `nat_config` - The Network Address Translation configuration for the connection.
  - `enabled` - Is NAT enabled for this connection.
  - `mappings` - List of NAT mapped CIDR address
    - `native_cidr` - (Required) The native CIDR block to map.
    - `nat_cidr` - The CIDR block use for NAT to the associated subnet.
  - `blocks` - List of reserved blocks for NAT.
  - `pnat_cidr` - CIDR use for PNAT between connections.
- `gateways` - List of cloud gateways and their configurations.
  - `name` - The name of the cloud gateway.
  - `description` - The description of the cloud gateway.
  - `availability_domain` - The availability domain of the cloud gateway. The valid values are `PRIMARY`, `SECONDARY`.

- `customer_asn` - The customer ASN used for BGP Peering.
- `customer_ip` - The assigned IP address to the customer side of the BGP Config.
- `pureport_asn` - The Pureport ASN used for BGP Peering.
- `pureport_ip` - The assigned IP address to the Pureport side of the BGP Config.
- `bgp_password` - The autogenerated BGP password used for authentication.
- `peering_subnet` - The BGP Config subnet assigned to establish BGP peering.
- `public_nat_ip` - N/A
- `remote_id` - The ID of the Google Cloud Interconnect.
- `remote_id` - The ID of the Google Cloud Interconnect.
- `vlan` - The VLAN id for the connection to cloud services.

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Resource: pureport_network

Example Usage

```
data "pureport_accounts" "main" {
  name_regex = "MyAccount"
}

resource "pureport_network" "main" {
  name = "MyNetwork"
  description = "My Custom Network"
  account_href = "${data.pureport_accounts.main.accounts.0.href}"

  tags = {
    Environment = "production"
    Owner       = "Scott Pilgrim"
  }
}
```

Argument Reference

The following arguments are supported:

- `name` - (Required) The name used for the Network.
- `account_href` - (Required) HREF for the Account associated with the Network.

- `description` - (Optional) The description for the Network.
- `tags` - (Optional) A dictionary of user defined key/value pairs to associate with this resource.

Attributes

- `href` - The HREF to reference this Network.

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Resource: pureport_site_vpn_connection

Example Usage

```
data "pureport_accounts" "main" {
  name_regex = "MyAccount"
}

data "pureport_locations" "main" {
  name_regex = "^Sea*"
}

data "pureport_networks" "main" {
  account_href = "${data.pureport_accounts.main.accounts.0.href}"
  name_regex = "MyNetwork"
}

resource "pureport_site_vpn_connection" "main" {
  name = "Some VPN Site"
  speed = "100"
  high_availability = true

  location_href = "${data.pureport_locations.main.locations.0.href}"
  network_href = "${data.pureport_networks.main.networks.0.href}"

  ike_version = "V2"

  routing_type = "ROUTE_BASED_BGP"
  customer_asn = 30000

  primary_customer_router_ip = "123.123.123.123"
  secondary_customer_router_ip = "124.124.124.124"

  tags = {
    Environment = "production"
    Owner       = "Scott Pilgrim"
  }
}
```

Argument Reference

The following arguments are supported:

- `auth_type` - (Optional) The Authentication Type to use. (Currently only `PSK` is supported.)
- `enable_bgp_password` - (Optional) Enable BGP password authentication. (Default: false)
- `ike_version` - (Required) the IKE Version to use. Valid values are `V1`, `V2`.
- `ike_config` - (Optional) IKE Configuration to use:

    - `esp` - Encapsulating Security Payload
        - `dh_group` - Diffie-Hellman Group
        - `encryption` - Encryption Algorithm
        - `integrity` - Integrity Algorithm
    - `ike` - Internet Key Exchange
        - `dh_group` - Diffie-Hellman Group
        - `encryption` - Encryption Algorithm
        - `integrity` - Integrity Algorithm
        - `prf` - Pseudo Random Function
- `primary_customer_router_ip` - (Required)
- `primary_key` - (Optional)
- `routing_type` - (Required)
- `secondary_customer_router_ip` - (Optional)
- `secondary_key` - (Optional)
- `traffic_selectors` - (Optional) List of Traffic Selectors for Route Based VPN
    - `customer_side` - The customer side CIDR block
    - `pureport_side` - The Pureport side CIDR block
- `name` - (Required) The name for the connection
- `location_href` - (Required) HREF for the Pureport Location to attach the connection.
- `network_href` - (Required) HREF for the network to associate the connection.
- `speed` - (Required) The maximum QoS for this connection. Valid values are 50, 100, 200, 300, 400, 500, 1000, 10000 in Mbps.

- `description` - (Optional) The description for the connection.
- `customer_networks` - (Optional) A list of named CIDR block to easily identify a customer network.
    - `name` - The name for the network.
    - `address` - The CIDR block for the network
- `nat_config` - (Optional) The Network Address Translation configuration for the connection.
    - `enabled` - (Required) Is NAT enabled for this connection.
    - `mappings` - (Optional) List of NAT mapped CIDR address
        - `native_cidr` - (Required) The native CIDR block to map.
- `billing_term` - (Optional) The billing term for the connection: (Currently only HOURLY is supported.)
- `high_availability` - (Optional) Whether a redundant gateway is/should be provisioned for this connection.
- `tags` - (Optional) A dictionary of user defined key/value pairs to associate with this resource.

Attributes

- `nat_config` - The Network Address Translation configuration for the connection.
  - `enabled` - Is NAT enabled for this connection.
  - `mappings` - List of NAT mapped CIDR address
    - `native_cidr` - (Required) The native CIDR block to map.
    - `nat_cidr` - The CIDR block use for NAT to the associated subnet.
  - `blocks` - List of reserved blocks for NAT.
  - `pnat_cidr` - CIDR use for PNAT between connections.
- `gateways` - List of cloud gateways and their configurations.
  - `name` - The name of the cloud gateway.
  - `description` - The description of the cloud gateway.
  - `availability_domain` - The availability domain of the cloud gateway. The valid values are `PRIMARY`, `SECONDARY`.
  - `customer_asn` - The customer ASN used for BGP Peering.
  - `customer_ip` - The assigned IP address to the customer side of the BGP Config.
  - `pureport_asn` - The Pureport ASN used for BGP Peering.
  - `pureport_ip` - The assigned IP address to the Pureport side of the BGP Config.
  - `bgp_password` - The autogenerated BGP password used for authentication.
  - `peering_subnet` - The BGP Config subnet assigned to establish BGP peering.
  - `public_nat_ip` - The public facing IP Address for NAT used by this connection.
  - `customer_gateway_ip` - The public IP address of the customers VPN equipment.
  - `customer_vti_ip` - The assigned IP address to the customer side of the VTI tunnel.
  - `pureport_gateway_ip` - The public IP address of the Pureport VPN gateway.
  - `pureport_vti_ip` - The assigned IP address to the Pureport side of the VPN VTI tunnel.
  - `vpn_auth_type` - The type of authentication used for the VPN Connection.
  - `vpn_auth_key` - The Authentication Key used for the VPN Connection.