

Riverbed Networking Service v1.0

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Resource: interfaces

http://{device}/api/mgmt.til.networking/1.0/interfaces

JSON

```
{
  "items": [
    string
  ],
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>interfaces</i>	<object>		
<i>interfaces.items</i>	<array of <string>>		Optional;
<i>interfaces.items[items]</i>	<string>		
<i>interfaces.<prop></i>	<any>		Optional;

Links

interfaces: get

GET http://{device}/api/mgmt.til.networking/1.0/interfaces

Response Body

Returns an [interfaces](#) data object.

Resource: interface

http://{device}/api/mgmt.til.networking/1.0/interfaces/items/{name}

JSON

```
{
  "name": string,
  "configuration": configuration,
  "state": state,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>interface</i>	<object>		
<i>interface.name</i>	<string>		Read-only; Optional;
<i>interface.configuration</i>	<configuration>		
<i>interface.state</i>	<state>		Read-only;
<i>interface.<prop></i>	<any>		Optional;

Links

interface: get

GET http://{device}/api/mgmt.til.networking/1.0/interfaces/items/{name}

Response Body

Returns an [interface](#) data object.

interface: set

```
PUT http://{device}/api/mgmt.til.networking/1.0/interfaces/items/{name}
```

Request Body

Provide an [interface](#) data object.

Response Body

Returns an [interface](#) data object.

Relations

interface: instances

Related resource

[interfaces](#)

Resource: ipv4_routes

```
http://{device}/api/mgmt.til.networking/1.0/routes/ipv4
```

JSON

```
{
  "all": [ route\_type ],
  "static": [
    {
      "id": string,
      "network_prefix": string,
      "gateway_address": string,
      "interface": string,
      <prop>: any
    }
  ],
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>ipv4_routes</i>	<object>		
<i>ipv4_routes.all</i>	<array of <route_type>>		Optional;
<i>ipv4_routes.all[items]</i>	<route_type>		
<i>ipv4_routes.static</i>	<array of <items>>		Optional;
<i>items</i>	<object>		Required properties: [network_prefix, gateway_address, interface];
<i>items.id</i>	<string>	Server generated route identifier	Read-only; Optional;
<i>items.network_prefix</i>	<string>	Destination Network Prefix. A string consisting of an IP address and a mask, separated by a slash (/). For example 192.168.1.0/24 For IPv6 specify prefix after slash (/).	
<i>items.gateway_address</i>	<string>	Gateway IP address	
<i>items.interface</i>	<string>	Network Interface. At least one of gateway_addresses or interfaces needs to be specified.	
<i>items.<prop></i>	<any>		Optional;
<i>ipv4_routes.<prop></i>	<any>		Optional;

Links

ipv4_routes: get

```
GET http://{device}/api/mgmt.til.networking/1.0/routes/ipv4
```

Response Body

Returns an [ipv4_routes](#) data object.

ipv4_routes: create

```
POST http://{device}/api/mgmt.til.networking/1.0/routes/ipv4
```

Request Body

Provide an [ipv4_route](#) data object.

Response Body

Returns an [ipv4_route](#) data object.

Resource: ipv4_route

```
http://{device}/api/mgmt.til.networking/1.0/routes/ipv4/{id}
```

JSON

```
{
  "id": string,
  "network_prefix": string,
  "gateway_address": string,
  "interface": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>ipv4_route</i>	<object>		Required properties: [network_prefix, gateway_address, interface];
<i>ipv4_route.id</i>	<string>	Server generated route identifier	Read-only; Optional;
<i>ipv4_route.network_prefix</i>	<string>	Destination Network Prefix. A string consisting of an IP address and a mask, separated by a slash (/). For example 192.168.1.0/24 For IPv6 specify prefix after slash (/).	
<i>ipv4_route.gateway_address</i>	<string>	Gateway IP address	
<i>ipv4_route.interface</i>	<string>	Network Interface. At least one of gateway_addresses or interfaces needs to be specified.	
<i>ipv4_route.<prop></i>	<any>		Optional;

Links

ipv4_route: get

```
GET http://{device}/api/mgmt.til.networking/1.0/routes/ipv4/{id}
```

Response Body

Returns an [ipv4_route](#) data object.

ipv4_route: delete

Delete a static route

```
DELETE http://{device}/api/mgmt.til.networking/1.0/routes/ipv4/{id}
```

Response Body

On success, the server does not provide any body in the responses.

Relations

ipv4_route: instances

Related resource

[ipv4_routes](#)

Resource: ipv6_routes

http://{device}/api/mgmt.til.networking/1.0/routes/ipv6

JSON

```
{
  "all": [ route_type ],
  "static": [
    {
      "id": string,
      "network_prefix": string,
      "gateway_address": string,
      "interface": string,
      <prop>: any
    }
  ],
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>ipv6_routes</i>	<object>		
<i>ipv6_routes.all</i>	<array of <route_type>>		Optional;
<i>ipv6_routes.all[items]</i>	<route_type>		
<i>ipv6_routes.static</i>	<array of <items>>		Optional;
<i>items</i>	<object>		Required properties: [network_prefix, gateway_address, interface];
<i>items.id</i>	<string>	Server generated route identifier	Read-only; Optional;
<i>items.network_prefix</i>	<string>	Destination Network Prefix. A string consisting of an IP address and a mask, separated by a slash (/). For example 192.168.1.0/24 For IPv6 specify prefix after slash (/).	
<i>items.gateway_address</i>	<string>	Gateway IP address	
<i>items.interface</i>	<string>	Network Interface. At least one of gateway_addresses or interfaces needs to be specified.	
<i>items.<prop></i>	<any>		Optional;
<i>ipv6_routes.<prop></i>	<any>		Optional;

Links

ipv6_routes: get

GET http://{device}/api/mgmt.til.networking/1.0/routes/ipv6

Response Body

Returns an [ipv6_routes](#) data object.

ipv6_routes: create

POST http://{device}/api/mgmt.til.networking/1.0/routes/ipv6

Request Body

Provide an [ipv6_route](#) data object.

Response Body

Returns an [ipv6_route](#) data object.

Resource: ipv6_route

http://{device}/api/mgmt.til.networking/1.0/routes/ipv6/{id}

JSON

```
{
  "id": string,
  "network_prefix": string,
  "gateway_address": string,
  "interface": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>ipv6_route</i>	<object>		Required properties: [network_prefix, gateway_address, interface];
<i>ipv6_route.id</i>	<string>	Server generated route identifier	Read-only; Optional;
<i>ipv6_route.network_prefix</i>	<string>	Destination Network Prefix. A string consisting of an IP address and a mask, separated by a slash (/). For example 192.168.1.0/24 For IPv6 specify prefix after slash (/).	
<i>ipv6_route.gateway_address</i>	<string>	Gateway IP address	
<i>ipv6_route.interface</i>	<string>	Network Interface. At least one of gateway_addresses or interfaces needs to be specified.	
<i>ipv6_route.<prop></i>	<any>		Optional;

Links

ipv6_route: get

```
GET http://{device}/api/mgmt.til.networking/1.0/routes/ipv6/{id}
```

Response Body

Returns an [ipv6_route](#) data object.

ipv6_route: delete

Delete a static route

```
DELETE http://{device}/api/mgmt.til.networking/1.0/routes/ipv6/{id}
```

Response Body

On success, the server does not provide any body in the responses.

Relations

ipv6_route: instances

Related resource

[ipv6_routes](#)

Resource: route_settings

This resource configure general route settings.

```
http://{device}/api/mgmt.til.networking/1.0/settings/route
```

JSON

```
{
  "default_gateway": {
    "ipv4": string,
    "ipv6": string,
    <prop>: any
  },
  <prop>: any
}
```

Property Name	Type	Description	Notes
---------------	------	-------------	-------

<code>route_settings</code>	<code><object></code>	This resource configure general route settings.	
<code>route_settings.default_gateway</code>	<code><object></code>	Configures the default gateway for the host. The state can be verified by querying the IPv4_routes or IPv6_routes resource.	Optional;
<code>route_settings.default_gateway.ipv4</code>	<code><string></code>	IPv4 address for default gateway. Blank string unsets it.	Optional;
<code>route_settings.default_gateway.ipv6</code>	<code><string></code>	IPv6 address for default gateway. Blank string unsets it.	Optional;
<code>route_settings.default_gateway.<prop></code>	<code><any></code>		Optional;
<code>route_settings.<prop></code>	<code><any></code>		Optional;

Links

route_settings: get

```
GET http://{device}/api/mgmt.til.networking/1.0/settings/route
```

Response Body

Returns a [route_settings](#) data object.

route_settings: set

```
PUT http://{device}/api/mgmt.til.networking/1.0/settings/route
```

Request Body

Provide a [route_settings](#) data object.

Response Body

Returns a [route_settings](#) data object.

Type: route_type

JSON

```
{
  "network_prefix": string,
  "gateway_address": string,
  "interface": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>route_type</code>	<code><object></code>		
<code>route_type.network_prefix</code>	<code><string></code>	Destination Network Prefix. A string consisting of an IP address and a mask, separated by a slash (/). For example 192.168.1.0/24 For IPv6 specify prefix after slash (/).	Optional;
<code>route_type.gateway_address</code>	<code><string></code>	Gateway IP address	Optional;
<code>route_type.interface</code>	<code><string></code>	Network Interface. At least one of gateway_address or interface must be specified.	Optional;
<code>route_type.<prop></code>	<code><any></code>		Optional;

Type: static_route_type

JSON

```
{
  "id": string,
  "network_prefix": string,
  "gateway_address": string,
  "interface": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>static_route_type</i>	<object>		Required properties: [network_prefix, gateway_address, interface];
<i>static_route_type.id</i>	<string>	Server generated route identifier	Read-only; Optional;
<i>static_route_type.network_prefix</i>	<string>	Destination Network Prefix. A string consisting of an IP address and a mask, separated by a slash (/). For example 192.168.1.0/24 For IPv6 specify prefix after slash (/).	
<i>static_route_type.gateway_address</i>	<string>	Gateway IP address	
<i>static_route_type.interface</i>	<string>	Network Interface. At least one of gateway_addresses or interfaces needs to be specified.	
<i>static_route_type.<prop></i>	<any>		Optional;

Type: state

JSON

```
{
  "enabled": boolean,
  "link": boolean,
  "interface_type": string,
  "hw_address": string,
  "if_index": number,
  "mtu": number,
  "speed": multiple,
  "duplex": multiple,
  "ipv4": {
    "address": string,
    "prefix": integer,
    <prop>: any
  },
  "ipv6": {
    "link_local": string,
    "address": string,
    <prop>: any
  },
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>state</i>	<object>		Read-only;
<i>state.enabled</i>	<boolean>	Interface enabled/up state	Read-only; Optional;
<i>state.link</i>	<boolean>	Interface link state	Read-only; Optional;
<i>state.interface_type</i>	<string>	Type of interface	Read-only; Optional;
<i>state.hw_address</i>	<string>	Hardware address of the interface	Read-only; Optional;
<i>state.if_index</i>	<number>	Interface index of the interface	Read-only; Optional;
<i>state.mtu</i>	<number>	MTU of the interface	Read-only; Optional;
<i>state.speed</i>	<multiple>		Read-only; Optional;
<i>state.speed.anyOf[0]</i>	<string>	Speed of interface	Read-only;
<i>state.speed.anyOf[1]</i>	<null>	Speed is not relevant for interface.	Read-only;
<i>state.duplex</i>	<multiple>		Read-only; Optional;
<i>state.duplex.anyOf[0]</i>	<string>	Duplex of interface	Read-only;
<i>state.duplex.anyOf[1]</i>	<null>	Duplex is not relevant for interface.	Read-only;
<i>state.ipv4</i>	<object>		Read-only; Optional;
<i>state.ipv4.address</i>	<string>	Interface IPv4 address	Read-only; Optional;
<i>state.ipv4.prefix</i>	<integer>	Subnet mask	Read-only; Optional;
<i>state.ipv4.<prop></i>	<any>		Read-only; Optional;
<i>state.ipv6</i>	<object>		Read-only; Optional;
<i>state.ipv6.link_local</i>	<string>	Link local IPv6 address	Read-only; Optional;
<i>state.ipv6.address</i>	<string>	Interface IPv6 address	Read-only; Optional;
<i>state.ipv6.<prop></i>	<any>		Read-only; Optional;
<i>state.<prop></i>	<any>		Read-only; Optional;

Type: configuration

JSON

```
{
  "enable": boolean,
  "description": string,
  "speed": multiple,
  "duplex": multiple,
  "mtu": number,
  "ipv4": {
    "dhcp": boolean,
    "dynamic_dns": boolean,
    "address": string,
    "prefix": integer,
    <prop>: any
  },
  "ipv6": {
    "dhcp": boolean,
    "dynamic_dns": boolean,
    "address": string,
    "prefix": integer,
    <prop>: any
  },
  <prop>: any
}
```

Property Name	Type	Description	Notes
configuration	<object>		Required properties: [enable, description, speed, duplex, mtu, ipv4, ipv6];
configuration.enable	<boolean>		
configuration.description	<string>		
configuration.speed	<multiple>		
configuration.speed.anyOf[0]	<string>	Set speed to the interface	Values: auto, 10, 100, 1000, 2500, 10000;
configuration.speed.anyOf[1]	<null>	Not configured/ Cannot be configured.	
configuration.duplex	<multiple>		
configuration.duplex.anyOf[0]	<string>	Set duplex to the interface	Values: full, half, auto;
configuration.duplex.anyOf[1]	<null>	Not Configured/ Cannot be configured.	
configuration.mtu	<number>		
configuration.ipv4	<object>		Required properties: [dhcp, dynamic_dns, address, prefix];
configuration.ipv4.dhcp	<boolean>	Obtain IP address from DHCP server.	
configuration.ipv4.dynamic_dns	<boolean>	Send hostname with the DHCP request.	
configuration.ipv4.address	<string>	Set the IPv4 address of the interface. This field is validated but not applied if DHCP is set. To disable interface IP, set address to 0.0.0.0	
configuration.ipv4.prefix	<integer>	Set the prefix of the interface.	
configuration.ipv4.<prop>	<any>		Optional;
configuration.ipv6	<object>		Required properties: [dhcp, dynamic_dns, address, prefix];
configuration.ipv6.dhcp	<boolean>	Obtain IP address from DHCP server.	
configuration.ipv6.dynamic_dns	<boolean>	Send hostname with the DHCP request.	
configuration.ipv6.address	<string>	Set the IPv6 address of the interface. This field is validated but not applied if DHCP is set. To remove IPv6 address set to blank.	
configuration.ipv6.prefix	<integer>	IPv6 address prefix. Ignored if address is set to blank.	
configuration.ipv6.<prop>	<any>		Optional;
configuration.<prop>	<any>		Optional;