

Riverbed System Commands API. v1.0

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Overview

Resources

Os_Commands: Get System commands

Get System commands.

```
GET https://{device}/api/npm.os_commands/1.0/os_commands
```

Authorization

This request requires authorization.

Response Body

On success, the server returns a response body with the following structure:

```
JSON
```

```
[
  {
    "items": [
      {
        "command": string,
        "output": string
      }
    ],
    "ipaddr": string,
    "name": string
  }
]

Example:
[
  {
    "items": [
      {
        "output": "lo    Link encap:Local Loopback  \n      inet addr:127.0.0.1 Mask:255.0.0.0\n      inet6 addr: ::1/128
Scope:Host\n      UP LOOPBACK RUNNING MTU:65536 Metric:1\n      RX packets:53900081 errors:0 dropped:0 overruns:0
frame:0\n      TX packets:53900081 errors:0 dropped:0 overruns:0 carrier:0\n      collisions:0 txqueuelen:0 \n      RX
bytes:175385250325 (163.3 GiB) TX bytes:175385250325 (163.3 GiB)\n\nprimary  Link encap:Ethernet  HWaddr 00:25:50:4F:1B:20
\n      inet addr:10.38.128.128 Bcast:10.38.191.255 Mask:255.255.192.0\n      inet6 addr:
2600:809:200:1a02:225:50ff:fe4f:1b20/64 Scope:Global\n      inet6 addr: fe80::225:50ff:fe4f:1b20/64 Scope:Link\n      UP
BROADCAST RUNNING MULTICAST MTU:1500 Metric:1\n      RX packets:96257647 errors:0 dropped:0 overruns:0 frame:0\n
TX packets:6749582 errors:0 dropped:0 overruns:0 carrier:0\n      collisions:0 txqueuelen:1000 \n      RX bytes:64336335376
(59.9 GiB) TX bytes:809423309 (771.9 MiB)\n      Interrupt:18 Memory:b8820000-b8840000",
        "command": "ifconfig"
      },
      {
        "output": "Kernel IP routing table\nDestination  Gateway          Genmask          Flags  MSS Window  irtt  Iface\n10.38.128.0
0.0.0.0          255.255.192.0    0 0          0 primary\n0.0.0.0          10.38.128.1     0.0.0.0         UG    0 0          0 primary\nKernel
IPv6 routing table\nDestination  Gateway          Genmask          Flags  MSS Window  irtt  Iface\n10.38.128.0
:::              :::              UA 256 0          0 primary \nfe80::/64
:::              :::              U 0 394471 8 lo
fe80::214:1bff:fea7:3400      UGDA 1024
0 0 primary \n:::1/128      :::              U 0 394471 8 lo
\n2600:809:200:1a02:225:50ff:fe4f:1b20/128  :::              U 0 476 1 lo \nfe80::225:50ff:fe4f:1b20/128
:::              U 0 0 1 lo \nff00::/8      :::              U 256 0 0
primary",
        "command": "netstat -nr -Ainet -Ainet6"
      },
      {
        "output": "? (10.38.128.1) at 00:14:1b:a7:34:00 [ether] on primary\n? (10.38.130.53) at 00:0e:b6:4c:e1:38 [ether] on primary\n?
(10.38.130.25) at 00:0e:b6:4c:e0:81 [ether] on primary\n? (10.38.131.75) at ac:1f:6b:41:6c:68 [ether] on primary\n? (10.38.130.51) at
a0:42:3f:3a:a9:85 [ether] on primary",
        "command": "arp -an"
      },
      {
        "output": "Linux module-1 2.6.32-573.65.2.el6.rvbd.1.x86_64 #1 SMP PREEMPT Mon Oct 29 09:03:41 EDT 2018 x86_64 x86_64
x86_64 GNU/Linux",
        "command": "uname -a"
      },
      {
        "output": "Linux version 2.6.32-573.65.2.el6.rvbd.1.x86_64 (mazu@module-1) (gcc version 4.4.7 20120313 (Red Hat 4.4.7-18)
(GCC) ) #1 SMP PREEMPT Mon Oct 29 09:03:41 EDT 2018",
        "command": "cat /proc/version"
      },
      {
        "output": "MemTotal: 16196544 kB",
        "command": "(cat /proc/meminfo | grep MemTotal)"
      }
    ],
    "ipaddr": "10.38.128.128",
    "name": "module-1"
  }
]

```

Property Name	Type	Description	Notes
RootOSCommands	<array of <object>>	System commands.	
RootOSCommands[SystemOSCommands]	<object>	System commands.	Optional
RootOSCommands[SystemOSCommands].items	<array of <object>>	System commands per module.	Optional
RootOSCommands[SystemOSCommands].items [OSCommand]	<object>	System commands per module.	Optional
RootOSCommands[SystemOSCommands].items [OSCommand].command	<string>	System command.	
RootOSCommands[SystemOSCommands].items [OSCommand].output	<string>	System command output.	
RootOSCommands[SystemOSCommands].ipaddr	<string>	Module IP address.	Optional

RootOSCommands[SystemOSCommands].name	<string>	Module host name.	Optional
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Error Codes

In the event that an error occurs while processing a request, the server will respond with appropriate HTTP status code and additional information in the response body:

```
{
  "error_id": "{error identifier}",
  "error_text": "{error description}",
  "error_info": {error specific data structure, optional}
}
```

The table below lists the possible errors and the associated HTTP status codes that may returned.

Error ID	HTTP Status	Comments
INTERNAL_ERROR	500	Internal server error.
AUTH_REQUIRED	401	The requested resource requires authentication.
AUTH_INVALID_CREDENTIALS	401	Invalid username and/or password.
AUTH_INVALID_SESSION	401	Session ID is invalid.
AUTH_EXPIRED_PASSWORD	403	The password must be changed. Access only to password change resources.
AUTH_DISABLED_ACCOUNT	403	Account is either temporarily or permanently disabled.
AUTH_FORBIDDEN	403	User is not authorized to access the requested resource.
AUTH_INVALID_TOKEN	401	OAuth access token is invalid.
AUTH_EXPIRED_TOKEN	401	OAuth access token is expired.
AUTH_INVALID_CODE	401	OAuth access code is invalid.
AUTH_EXPIRED_CODE	401	OAuth access code is expired.
RESOURCE_NOT_FOUND	404	Requested resource was not found.
HTTP_INVALID_METHOD	405	Requested method is not available for this resource.
HTTP_INVALID_HEADER	400	An HTTP header was malformed.
REQUEST_INVALID_INPUT	400	Malformed input structure.
URI_INVALID_PARAMETER	400	URI parameter is not supported or malformed.
URI_MISSING_PARAMETER	400	Missing required parameter.