



# Introduction

## Premium & Affordable Hosting Solutions

The HostDzire API allows you to manage your servers and retrieve essential information directly through WHMCS. This API enables automation of server operations such as rebooting, stopping, starting, suspending, and installing operating systems. This guide provides detailed instructions on how to use the API, including functionalities, sample code, and response examples.

**Important:** To use the HostDzire API, you must provide the following parameter with every request:

- **api\_key:** Your 64-character API key.

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Each action can be performed by making a POST request to the API endpoint with the required parameters.

# Reboot

**Description:** Reboot the server.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef1234567890abcdef1234567890'
    'ip' => '123.456.78.90',
    'action' => 'reboot'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef1234567890" \
-d "ip=123.456.78.90" \
-d "action=reboot"
```

### Node.js

```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890abcde',
  ip: '123.456.78.90',
  action: 'reboot'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "initiated",
  "message": "Reboot has been initiated successfully"
}
```

# Stop

**Description:** Stop the server.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef1234567890abcdef1234567890'
    'ip' => '123.456.78.90',
    'action' => 'stop'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef1234567890" \
-d "ip=123.456.78.90" \
-d "action=stop"
```

### Node.js

```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890abcde',
  ip: '123.456.78.90',
  action: 'stop'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "initiated",
  "message": "Stop has been initiated successfully"
}
```

# Start

**Description:** Start the server.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef1234567890abcdef1234567890'
    'ip' => '123.456.78.90',
    'action' => 'start'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef1234567890" \
-d "ip=123.456.78.90" \
-d "action=start"
```

### Node.js

```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890abcde',
  ip: '123.456.78.90',
  action: 'start'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "initiated",
  "message": "start has been initiated successfully"
}
```



# Suspend

**Description:** Suspend the server.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef1234567890abcdef1234567890'
    'ip' => '123.456.78.90',
    'action' => 'suspend'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef1234567890" \
-d "ip=123.456.78.90" \
-d "action=suspend"
```

### Node.js

```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890abcde',
  ip: '123.456.78.90',
  action: 'suspend'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "initiated",
  "message": "suspend has been initiated successfully"
}
```

# Unsuspend

**Description:** Unsuspend the server.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef1234567890abcdef1234567890'
    'ip' => '123.456.78.90',
    'action' => 'unsuspend'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef1234567890" \
-d "ip=123.456.78.90" \
-d "action=unsuspend"
```

### Node.js

```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890abcde',
  ip: '123.456.78.90',
  action: 'unsuspend'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "initiated",
  "message": "unsuspend has been initiated successfully"
}
```

# Details

**Description:** Retrieve detailed information about the server.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef1234567890'
    'ip' => '123.456.78.90',
    'action' => 'details'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef1234567890" \
-d "ip=123.456.78.90" \
-d "action=details"
```

### Node.js

```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890abcde',
  ip: '123.456.78.90',
  action: 'details'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "success",
  "data": {
    "memoryUsage": "2 GB",
    "diskUsage": "50 GB",
    "cpuUsage": "30%",
    "uptime": "5 days",
    "status": "active",
    "password": "rootpassword",
    "memorySize": "4 GB",
    "diskSize": "100 GB",
    "cpuCore": "4",
    "hostname": "server.example.com",
    "os": "Ubuntu 22 64",
    "ipv4": "123.456.78.90",
    "ipv6": null,
    "price": "20.00",
    "lastActionMethod": "Reboot",
    "lastActionStatus": "pending"
  }
}
```

# Bandwidth

**Description:** Retrieve server traffic information.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef12345678900',
    'ip' => '123.456.78.90',
    'action' => 'bandwidth'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef12345678900" \
-d "ip=123.456.78.90" \
-d "action=bandwidth"
```

### Node.js



```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890abcde',
  ip: '123.456.78.90',
  action: 'bandwidth'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "success",
  "traffics": [
    {
      "id": 49234,
      "traffic": 2000,
      "trafficUsage": 11158319240,
      "remaining": 30,
      "duration": 30,
      "type": "main",
      "price": null,
      "status": "active",
      "createdAt": "2024-11-18 04:51:10"
    }
  ]
}
```

# Reinstall

**Description:** Reinstall the server.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef1234567890'
    'ip' => '123.456.78.90',
    'action' => 'reinstall'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef1234567890" \
-d "ip=123.456.78.90" \
-d "action=reinstall"
```

### Node.js

```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890abcde',
  ip: '123.456.78.90',
  action: 'reinstall'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "initiated",
  "message": "reinstall has been initiated successfully"
}
```

# Install

**Description:** Install an operating system on the server. To perform an installation, you must specify the operating system using the os parameter. Refer to the Operating System Data Reference section to choose the correct os identifier.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef1234567890abcdef1234567890'
    'ip' => '123.456.78.90',
    'action' => 'install',
    'os' => 'ubuntu_22_64' // Specify the OS to install
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef1234567890" \
-d "ip=123.456.78.90" \
-d "action=install" \
-d "os=ubuntu_22_64"
```

## Node.js

```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890',
  ip: '123.456.78.90',
  action: 'install',
  os: 'ubuntu_22_64' // Specify the OS to install
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{  
  "status": "initiated",  
  "message": "Installation has been initiated successfully"  
}
```

# Orders

**Description:** Retrieve a list of active services (orders) associated with your WHMCS account, excluding canceled and terminated services.

**Parameters:**

- **api\_key:** Your 64-character API key.
- **action:** Should be set to "orders".

## Example Request:

### PHP

```
'your_api_key_here',
    'action' => 'orders'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=your_api_key_here" \
-d "action=orders"
```



## Node.js

```
const prese = require('axios');
const qs = require('qs');
const data = {
  api_key: 'your_api_key_here',
  action: 'orders'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data),
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
)
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "success",
  "orders": [
    {
      "id": 123,
      "domain": "server1.example.com",
      "packageid": 1,
      "regdate": "2024-01-01",
      "nextduedate": "2025-01-01",
      "termination_date": null,
      "status": "Active"
    },
    {
      "id": 124,
      "domain": "server2.example.com",
      "packageid": 2,
      "regdate": "2024-02-01",
      "nextduedate": "2025-02-01",
      "termination_date": null,
      "status": "Active"
    }
  ]
}
```

# Pay Invoice by IP

**Description:** Pay an invoice using credit based on the server's IP address.

## Example Request:

### PHP

```
'abcdef1234567890abcdef1234567890abcdef1234567890abcdef1234567890'
    'ip' => '123.456.78.90',
    'action' => 'pay_invoice_by_ip'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=abcdef1234567890abcdef1234567890abcdef1234567890" \
-d "ip=123.456.78.90" \
-d "action=pay_invoice_by_ip"
```

### Node.js

```
const axios = require('axios');
const qs = require('qs');
const data = {
  api_key: 'abcdef1234567890abcdef1234567890abcdef1234567890abcde',
  ip: '123.456.78.90',
  action: 'pay_invoice_by_ip'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: {
    'Content-Type': 'application/x-www-form-urlencoded'
  }
})
.then(response => {
  console.log(response.data);
})
.catch(error => {
  console.error(error);
});
```

## Example Response

```
{
  "status": "success",
  "invoice_id": 123456789,
  "message": "Invoice paid using credit"
}
```

**Notes:** This action helps you retrieve all your active services, which is useful for account management and automation scripts.

# Error Handling and Input Validation

The API performs extensive input validation and error handling. Below are some common error responses you might encounter and how to address them.

## Common Errors:

### 1. Invalid API Key Format

```
{
  "status": "error",
  "message": "Invalid API key format"
}
```

**Solution:** Ensure your API key is a 64-character hexadecimal string.

### 2. Missing Required Field

```
{
  "status": "error",
  "message": "Missing required field: ip"
}
```

**Solution:** Include all required parameters in your request.

### 3. Invalid IP Address Format

```
{
  "status": "error",
  "message": "Invalid IP address format"
}
```

**Solution:** Verify that the IP address is correctly formatted.

### 4. No Matching Server Found

```
{  
  "status": "error",  
  "message": "No matching server found."  
}
```

**Solution:** Ensure the IP address and API key correspond to an existing server in your account.

# Place Order

**Description:** Place an order for a VPS using inventory key and credit.

## Example Request:

### PHP

```
'*****',
    'inventory_key' => 'ip_1_vps9',
    'quantity' => 1,
    'action' => 'place_order',
    'os' => 'Ubuntu 20 64',
    'coupon' => 'if_you_have'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=*****" \
-d "inventory_key=ip_1_vps9" \
-d "quantity=1" \
-d "action=place_order" \
-d "os=Ubuntu 20 64" \
-d "coupon=if_you_have"
```

## Node.js

```
const axios = require('axios');
const qs = require('qs');
const data = {
  api_key: '*****',
  inventory_key: 'ip_1_vps9',
  quantity: 1,
  action: 'place_order',
  os: 'Ubuntu 20 64',
  coupon: 'if_you_have'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: { 'Content-Type': 'application/x-www-form-urlencoded' }
})
.then(response => console.log(response.data))
.catch(error => console.error(error));
```

## Example Response

```
{ "status": "success", "order_id": 85595, "message": "Order placed" }
{ "status": "error", "message": "Insufficient credit" }
{ "status": "error", "message": "Insufficient stock" }
{ "status": "error", "message": "Invalid OS or configurable option" }
```



# Available Cloud VPS Data

**Description:** Retrieve available Cloud VPS package and IP inventory data.

## Example Request:

### PHP

```
'*****',
    'action' => 'available_cloud_vps_data'
];
$options = [
    'http' => [
        'header' => "Content-type: application/x-www-form-urlencoded",
        'method' => 'POST',
        'content' => http_build_query($data),
    ],
];
$context = stream_context_create($options);
$result = file_get_contents('https://hostdzire.com/api/vps/', false, $context);
if ($result === FALSE) { /* Handle error */ }
var_dump($result);
?>
```

### cURL

```
curl -X POST https://hostdzire.com/api/vps/ \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "api_key=*****" \
-d "action=available_cloud_vps_data"
```

### Node.js

```
const axios = require('axios');
const qs = require('qs');
const data = {
  api_key: '*****',
  action: 'available_cloud_vps_data'
};
axios.post('https://hostdzire.com/api/vps/', qs.stringify(data), {
  headers: { 'Content-Type': 'application/x-www-form-urlencoded' }
})
.then(response => console.log(response.data))
.catch(error => console.error(error));
```

## Example Response

```
{
  "status": "success",
  "data": {
    "ip_1_vps1": { "ip": "103.181.xx.xx", "vps": 1, "qty": 1, "pic": "https://hostdzire.com/images/vps1.jpg" },
    "ip_2_vps1": { "ip": "103.182.xx.xx", "vps": 1, "qty": 1, "pic": "https://hostdzire.com/images/vps1.jpg" },
    "ip_3_vps1": { "ip": "103.146.xx.xx", "vps": 1, "qty": 1, "pic": "https://hostdzire.com/images/vps1.jpg" },
    "ip_4_vps1": { "ip": "103.149.xx.xx", "vps": 1, "qty": 0, "pic": "https://hostdzire.com/images/vps1.jpg" }
  }
}
```

# Operating System Data Reference

Use the following table to identify the correct OS identifier and name when performing installations:

OS Identifier	OS Name
debian_8_64	Debian 864
windows_2016_64	Windows 201664
windows_2019_64	Windows 201964
freebsd_13	Freebsd 13
windows_2022_64	Windows 202264
debian_11_64	Debian 1164
ubuntu_22_64	Ubuntu 2264
windows_2012_r2_64	Windows 2012 R2 64
alma_9_64	Alma 964
windows10_64	Windows 1064
windows11_64	Windows 1164
debian_10_64	Debian 1064
ubuntu_24_64	Ubuntu 2464
ubuntu_18_64	Ubuntu 1864
ubuntu_20_64	Ubuntu 2064
centos_7_64	Centos 764
centos_8_64	Centos 864

alma_8_64	Alma 864
rocky_8_64	Rocky 864
windows_2012_64	Windows 201264

# Support and Resources

If you need further assistance, please contact HostDzire support at [support@hostdzire.com](mailto:support@hostdzire.com).