?????? RACKCORP REST API

PHP:

Простое создание сервера:

```
<?php
function rackcorpAPI($action, $request) {
        $request["APIUUID"] = "";
        $request["APISECRET"] = "";
        $request["cmd"] = $action;

        $curl = curl_init("https://api.rackcorp.net/api/rest/v2.7/json.php");
        curl_setopt($curl, CURLOPT_POST, true);
        curl_setopt($curl, CURLOPT_POSTFIELDS, json_encode($request));
        curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);
        $response = curl_exec($curl);
        curl_close($curl);
        if ( !$response ) {
                return Array("code" => "FAULT", "message" => "API Error");
        }
        return json_decode($response, true);
}

$customerID = 1000;  // Change this to your customer ID (available in portal under
ADMINISTRATION -> MY DETAILS)
// locations are defined here: https://wiki.rackcorp.com/books/help-and-support-
en/page/rackcorp-datacenter-locations-and-codes

$neworder = Array(
    "productCode" => "SERVER_VIRTUAL_PERFORMANCE_AU",
    "customerId" => $customerID,
    "quantity" => 1,
    "productDetails" => Array(
        "hostname" => "testrouter01",
        "cpu" => 4,
        "memoryGB" => 4,
        "trafficGB" => 100,
```

```
        "nics" => Array(
            Array(
               "name" => "public",
               "speed" -> 1000,
               "ipv4" => 1,
            )
        ),
        "storage" => Array(
            Array(
                "name" => "MAIN",
                "sizeGB" => 30,
                "type" => "SSD",
                "order" => 1
            )
        ),
        "credentials" => Array(
            Array(
                "username" => "root",
                "password" => "DUGHsUIYGUI312TEST"
            )
        ),
        "location" => "RC-AU-GLOBESW1",
        "timezone" => "UTC",
        "install" => Array (
            "operatingSystem" => "UBUNTU20.04_64",
            "template" => "standard",
            "postInstallScript" => ""
        )
    )
);
// Lodge the order (this just locks pricing in for up to 72 hours but doesnt actually create
any resources)
$response = rackcorpAPI("order.create", $neworder);
var_dump($response);

// You can look up the order if you want:
$neworder = Array ("orderId" => $response["orderId"]);
$response = rackcorpAPI("order.getall", $neworder);
var_dump($response);
```

```
// Then confirm the order to start provisioning:
$neworder = Array ("orderId" => $response["orderId"]);
$response = rackcorpAPI("order.confirm", $neworder);
var_dump($response);

?>
```

Запуск сервера с помощью cloud-init:

После создания сервера вы также можете запустить его с помощью cloud-init со своим собственным кодом:

```
$cloudInitStartupData = Array(
        "cloudInit" => Array(
                "volumeName" => "config-2",
                "userData" => "#cloud-config
ssh_pwauth: True
users:
  - default
  - name: user1
    groups: sudo
    shell: /bin/bash
    sudo: ['ALL=(ALL) NOPASSWD:ALL']
    plain_text_passwd: testtest888
    lock_passwd: false
",
                "metaData" => "instance-id: ServerTest9999
local-hostname: MyServerHostname9999
"
        )
);
$serverIDToStart = 9999;
$tx = Array ("objId"=>$serverIDToStart, "objType"=>"DEVICE", "type"=>"STARTUP",
"data"=>json_encode($cloudInitStartupData));

// See earlier example for rackcorpAPI function
$response = rackcorpAPI("rctransaction.create", $tx);
var_dump($response);
?>
```

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