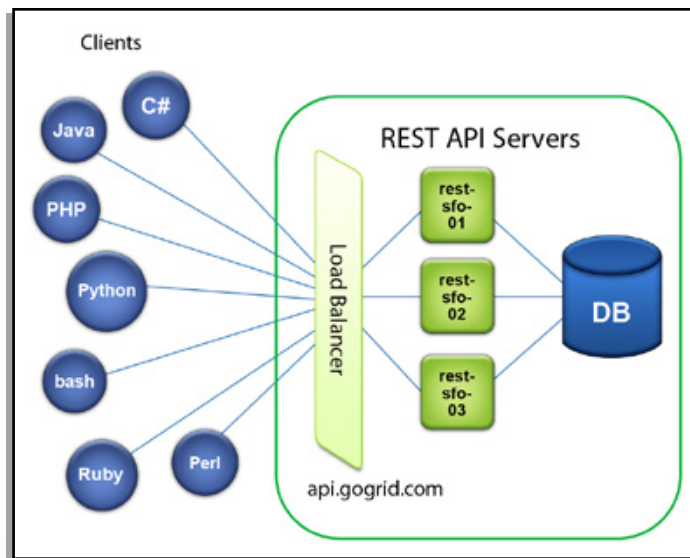


About the GoGrid API:

The GoGrid Application Program Interface (API) is an easy-to-use tool for developers, Systems Administrators and end-users to programmatically access the tools and functions available in the GoGrid user interface. The GoGrid API is a REST-like Query interface. GoGrid method calls are made over the internet by sending HTTP GET or POST requests to the GoGrid API REST Server. Nearly any language can be used to communicate over HTTP with the REST server. Calls can easily be made to our intuitive API from different languages such as Java, PHP, Python, Ruby, C#, Perl or even shell scripting languages such as bash. API calls consist of both an HTTP request, the API input, and its response, the API output. The following is a sequence diagram of a GoGrid API call:



Supported Languages and Requirements:

- Java:** JDK 1.5 or Higher
- PHP:** PHP 4 or higher and cURL
- Python:** Python 2+
- Ruby:** Ruby 1.8.2 or higher
- bash:** None
- C#:** None
- Perl:** Perl 5, URI::Escape, LWP::UserAgent, Digest::MD5, Crypt::SSLeay

Official GoGrid Websites:

- WebSite:** <http://www.gogrid.com>
- Customer Portal:** <http://my.gogrid.com>
- Blog:** <http://blog.gogrid.com>
- Forums:** <http://forums.gogrid.com>
- Wiki:** <http://wiki.gogrid.com>
- Customer Testimonials:** <http://gogrid.com/community/testimonials.php>

- **Web-Based GUI**
- **f5 Hardware Load Balancing**
- **24/7 Support**
- **Pricing Starts at \$.019/ hour**
- **Standard OS Installs**
- **Windows & Linux**
- **Static IPs**
- **Full Root Access**
- **Instant Scalability**
- **10,000% Guaranteed**

API Objects

API Objects	
Server	A server represents a virtualized server. You have full root or Administrator access to the server you instantiate. To access this programmatically, call <code>grid.image.list</code>
Load Balancer	A Load Balancer represents an instance of a virtual server on a hardware F5 load balancer. Adding a load balancer creates an F5 virtual load balancer on this cluster.
IP	An IP represents an IP on a Server or Load Balancer
IP Port Pair	An IP Port Pair represents a combination of an IP and a port on a Load Balancer.
Password	A Password is a username and password combination for the OS or any application on a Server. This interface is for GoGrid Support and initial password creation on newly instantiated servers.
Server Image	A server image is a disk image of a particular server.
Billing Summary	The Billing Summary contains up-to-date billing information that is displayed in the billing widget in the UI. It contains information regarding current RAM and GB transfer plans as well as up-to-date usage charges.
Option	An option is a special object representing a single option of an object's attribute. It is used where an object's attribute is a set of defined options which are called Lookups. See <code>common.lookup.list</code> for a list of options and lookups.

API Parameters Index

NAME	TYPE	DESCRIPTION
<code>asc, desc</code>	string	Ascending or descending sort on attribute specified by <code>sort</code> . Set to <code>asc, true</code> , or <code>1</code> to sort ascending. Set to <code>desc, false</code> or <code>0</code> to sort descending. Ignored if <code>sort</code> isn't set. Default is <code>true</code> .
<code>api_key</code>	string	An API key generated by GoGrid from the customer portal
<code>description</code>	string	Descriptive text.
<code>format</code>	string	JSON, XML or CSV. Default is JSON. This parameter is optional.
<code>id</code>	string	The intergral unique id of an object such as a load balancer, server or password.
<code>image</code>	string	The desired id or name of a server's image. To list available server images, call <code>grid.image.list</code>
<code>ip</code>	string	The id or name of an initial public ip for a server.
<code>ip.state</code>	string	Filtering parameter to limit
<code>ip.type</code>	string	Filtering parameter to limit
<code>loadbalancer</code>	string	The id or name of a load balancer.
<code>lookup</code>	string	The lookup to be listed. This can be an <code>int</code> or <code>string</code> representing the lookup's id or name respectively. To list the entire list of available lookups, set parameter to <code>lookups</code> .
<code>name</code>	string	The name of an object.
<code>password</code>	string	The id of a password
<code>persistence</code>	string	The persistence type of a load balancer. This can be an <code>int</code> or <code>string</code> representing the load balancer persistence types, option's id, or name, respectively. Default: <code>None</code> . To list persistence values, call <code>common.lookup.list</code> with <code>lookup</code> set to <code>loadbalancer.persistence</code> .
<code>power</code>	string	The power command to issue. To start a server, set to <code>on</code> or <code>start</code> . To stop a server, set to <code>off</code> or <code>stop</code> . (NOTE: This is a hard shutdown, equivalent to powering off a server.) To reboot a server, set to <code>cycle</code> or <code>restart</code> . (NOTE: This is a hard shutdown followed by start.)
<code>ram</code>	string	The id or name of a server's desired RAM option. To list <code>ram</code> values, call <code>common.lookup.list</code> with <code>lookup</code> set to <code>server.ram</code>
<code>realiplist.n.ip</code>	string	The IP for an IP/port pair in the real IP list for this load balancer. <code>n</code> is the index of the element and should start with 0 or 1. Input will iterate with consecutive integers until the parameters stop. It is associated with the matching value of <code>realiplist.n.ip</code> that constitutes one real IP/port pair in the real IP list.
<code>realiplist.n.port</code>	int	The port associated with the matching value of <code>realiplist.n.ip</code> that constitutes one real IP/port pair in the real IP list. Must be a positive integer value > 0.
<code>server</code>	string	The id or name of a server.
<code>server.type</code>	string	Using the <code>server.type</code> parameter, a user can filter the results of the list to list just web/app servers or just database servers. To list <code>server.type</code> values, call <code>common.lookup.list</code> with <code>lookup</code> set to <code>server.type</code>
<code>sig</code>	string	An MD5 signature that signs every API request
<code>sort</code>	string	Sort based on the option's id, name, or description attributes. Valid values are <code>id, name</code> and <code>description</code> . Used in conjunction with <code>asc</code> .
<code>type</code>	string	The type of a load balancer. This can be an <code>int</code> or <code>string</code> representing the load balancer option's id or name respectively. Default: <code>Round Robin</code> . To list <code>type</code> values, call <code>common.lookup.list</code> with <code>lookup</code> set to <code>loadbalancer.type</code>
<code>v</code>	string	API version number. Currently, this is 1.0
<code>virtualip.ip</code>	string	The IPv4 of the virtual IP for a load balancer. This must be a publicly available IP.
<code>virtualip.port</code>	int	The port associated with the value of <code>virtualip.ip</code> that constitutes the virtual IP port pair. Must be a positive integer value > 0.

Required Parameters are listed in red
Optional parameters are listed in green

n - You can have multiple parameters in one API call
* - Only one of these parameters is required per call

Utility Methods

common.lookup.list -- Lists the valid options for a particular lookup

PARAMETERS `api_key, sig, v, lookup, sort, asc, desc, format`

SAMPLE REQUEST `https://api.gogrid.com/api/common/lookup/list
?lookup=lookups
&sort=name
&asc=true
... auth parameters...`

Required Parameters are listed in red
Optional parameters are listed in green

n - You can have multiple parameters in one API call
* - Only one of these parameters is required per call

Load Balancer Methods



grid.loadbalancer.list -- Lists all Load Balancer Objects in the system

PARAMETERS `api_key, sig, v, format`

SAMPLE REQUEST `https://api.gogrid.com/api/grid/loadbalancer/list
?... auth parameters...`

grid.loadbalancer.get -- Retrieves a single load balancer in your grid

PARAMETERS `api_key, sig, v, idn*, namen*, loadbalancern*, format`

SAMPLE REQUEST

To get by name: `https://api.gogrid.com/api/grid/loadbalancer/get
?name=My+Load+Balancer
... auth parameters...`

To get by id: `https://api.gogrid.com/api/grid/loadbalancer/get
?id=203923
... auth parameters...`

To get multiple by name: `https://api.gogrid.com/api/grid/loadbalancer/get
?name=My+Load+Balancer
&name=My+Load+Balancer+2
&name=My+Load+Balancer+3
... auth parameters...`

grid.loadbalancer.add -- Add a load balancer to your grid

PARAMETERS `api_key, sig, v, name, virtualip.ip, virtualip.port, realiplist.n.ip, realiplist.n.port, description, type, persistence, format`

SAMPLE REQUEST `https://api.gogrid.com/api/grid/loadbalancer/add
?name=My+First+Load+Balancer
&virtualip.ip=192.200.10.101
&virtualip.port=80
&realiplist.0.ip=192.200.10.102
&realiplist.0.port=80
&realiplist.1.ip=192.200.10.103
&realiplist.1.port=80
&realiplist.2.ip=192.200.10.104
&realiplist.2.port=80
&description=This+is+text+to+describe+this+load+balancer
&type=Round+Robin
&persistence=None
... auth parameters ...`

grid.loadbalancer.delete -- Remove a load balancer from your grid

PARAMETERS `api_key, sig, v, id *, name *, loadbalancer *, format`

SAMPLE REQUEST

To delete by name: `https://api.gogrid.com/api/grid/loadbalancer/delete
?name=My+Load+Balancer+Name
... auth parameters...`

To delete by id: `https://api.gogrid.com/api/grid/loadbalancer/delete
?id=203923
... auth parameters...`

IP Methods



grid.ip.list -- Lists all assigned, unassigned, public or private ips

PARAMETERS `api_key, sig, v, ip.state, ip.type, format`

SAMPLE REQUEST `https://api.gogrid.com/api/grid/ip/list
?id=203923
&ip.state=Unassigned
&ip.type=Public
... auth parameters...`

Server Image Methods



grid.image.list -- Lists all available images

PARAMETERS `api_key, sig, v, format`

SAMPLE REQUEST `https://api.gogrid.com/api/grid/image/list
? ... auth parameters...`

Billing Methods



myaccount.billing.get -- Gets the billing summary data for this account

PARAMETERS `api_key, sig, v, format`

SAMPLE REQUEST `https://api.gogrid.com/api/myaccount/billing/get?
... auth parameters...`

Server Methods



grid.server.list -- Lists servers in your grid

PARAMETERS `api_key, sig, v, server.type, format`

SAMPLE REQUEST `https://api.gogrid.com/api/grid/server/list
? ... auth parameters...`

grid.server.get -- Retrieves a single server in your grid

PARAMETERS `api_key, sig, v, idn*, namen*, servern*, format`

SAMPLE REQUEST

To get by name: `https://api.gogrid.com/api/grid/server/get
?name=My+Server
... auth parameters...`

To get by id: `https://api.gogrid.com/api/grid/server/get
?id=19283
... auth parameters...`

To get multiple by name: `https://api.gogrid.com/api/grid/server/get
?name=My+Server
&name=My+Server+2
... auth parameters...`

grid.server.add -- Adds servers to your grid

PARAMETERS `api_key, sig, v, name, image, ram, ip, description, format`

SAMPLE REQUEST `https://api.gogrid.com/api/grid/server/add
?name=My+First+Server
&image=centos44_32_apache22php5
&ram=512MB
&description=This+is+text+to+describe+this+server
&ip=192.200.10.101
... auth parameters ...`

grid.server.delete -- Deletes servers from your grid

PARAMETERS `api_key, sig, v, id*, name*, server*, format`

SAMPLE REQUEST

To delete by name: `https://api.gogrid.com/api/grid/server/delete
?name=My+Server+Name
... auth parameters...`

To delete by id: `https://api.gogrid.com/api/grid/server/delete
?id=203923
... auth parameters...`

grid.server.power -- Start, stop or restart a server

PARAMETERS `api_key, sig, v, id*, name*, server*, power, format`

SAMPLE REQUEST `https://api.gogrid.com/api/grid/server/power
?id=203923
&power=cycle
... auth parameters...`

Password Methods



support.password.list --Lists all passwords in the system or for a particular server

PARAMETERS `api_key, sig, v, format`

SAMPLE REQUEST `https://api.gogrid.com/api/support/password/list
? ... auth parameters...`

support.password.get -- Gets a password object

PARAMETERS `api_key, sig, v, id*, password*, format`

SAMPLE REQUEST `https://api.gogrid.com/api/grid/password/get
?id=19283
... auth parameters...`