

Sample Program - Multiple Functions

<https://campus.barracuda.com/doc/3539052/>

This program uses most of the API calls described in the article [API Descriptions](#). It performs the following functions:

- Adds a Service and a Real Server;
- Shows the Service and Real Server state before and after setting the state of the Real Server to maintenance mode;
- Deletes the Real Server and the Service.

You can copy and paste this code into a file and save it as `sample.pl`. Edit the IP addresses - 10.5.126.63 should be the WAN IP address of the Barracuda Load Balancer, 192.168.132.214 is the VIP address of a Service, and 15.15.15.11 is the IP address of a Real Server. Change the password to the API password for the Barracuda Load Balancer.

To run `sample.pl`, at a command prompt type:

```
perl sample.pl
```

sample.pl

```
#!/usr/bin/perl
use strict;
use warnings;

use XML::RPC;
use LWP::UserAgent;
use Data::Dumper;

my $ua = LWP::UserAgent->new ;

$ua->timeout( 60 ) ;

# Create the XML::RPC object
my $xmlrpc = XML::RPC->new (
    'https://10.5.126.63/cgi-mod/api.cgi?password=admin',
    'lwp_useragent' => $ua );
my $result;
```

```
#Add a Service
$result = $xmlrpc->call('service.add',
    {name=>'xml_rpc_test',
    vip=>'192.168.132.214',
    protocol=>'TCP',
    port=>'21',
    type=>'L4'});
print Dumper ($result);

#Add a Real Server
$result = $xmlrpc->call('server.add',
    {vip=>'192.168.132.214:21:TCP',ip => '15.15.15.11',port => '21'});
print Dumper ($result);

my $service_show = 'status/state' ;
#Show all Services and Real Servers state
$result = $xmlrpc->call('service.show', {show=> $service_show});

print Dumper ($result);

#Change Real Server status to maintenance mode (could be one of
disable/enable/maintenance)
$result = $xmlrpc->call('server.change_state',
    {vip=>'192.168.132.214:21:TCP',
    port=>'21',
    ip => '15.15.15.11',
    action=>'maintenance'});
print Dumper ($result);

#Show Service status and Real Server state

$result = $xmlrpc->call('service.show',
    {vip=>'192.168.132.214:21:TCP',
    port=> '21', ip=> '15.15.15.11',
    show=> $service_show});
print Dumper ($result);

#Delete the Real Server
$result = $xmlrpc->call('server.delete',
    {vip=>'192.168.132.214:21:TCP',
    ip => '15.15.15.11',
    port => '21'});
print Dumper ($result);
```

```
#Delete the Service
$result = $xmlrpc->call('service.delete',
    {vip=>'192.168.132.214',
    port=>'21',
    protocol=>'TCP'});
print Dumper ($result);
```

Related Articles

- [Automation API Guide](#)
- [API Descriptions](#)
- [Sample Program - Changing Real Server Status to Maintenance Mode](#)

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