

aaPanel Linux Panel API Documentation

Foreword

Through the aaPanel API, you can fully control all the functions of the aaPanel Linux panel. In fact, all the functions used after the user logs in to the panel are also docked through the same interface, which means that if you are familiar with the browser debugger, you can easily Complete a third-party front-end docking against the operational parameters of the aaPanel Linux panel.

Signature algorithm

api_sk = Interface key (obtained in the panel settings page - API interface)

request_time = Uinx timestamp of current request time (php: time() / python: time.time())

request_token = md5(string(request_time) + md5(api_sk))

PHP Example: `$request_token = md5($request_time . " . md5($api_sk))`

signature:

Parameter name	Parameter value	Description
request_time		Current uinx timestamp [Must]
request_token		md5(string(request_time) + md5(api_sk)) [Must]
Other parameters		Other parameters required by the functional interface [Optional]

Precautions:

1. Please use the POST method to request the API interface.
2. In order to ensure the efficiency of the request, please save the cookie and attach a cookie on each request.
3. For panel security considerations, be sure to add an IP whitelist
4. All response content is unified into Json data format

DEMO download

PHP-Demo: https://www.bt.cn/api_demo_php.zip

System status related interface

Get system basic statistics

URI address: /system?action=GetSystemTotal

Incoming parameters: No

Response:

Field	Field value example	Description
system	CentOS Linux 7.5.1804 (Core)	Operating system information
version	6.8.2	Panel version
time	0 天 23 小时 45 分钟	The time since the last boot to the present
cpuNum	2	CPU core number
cpuRealUsed	2.01	CPU usage (percentage)
memTotal	1024	Physical memory capacity (MB)
memRealUsed	300	Used physical memory (MB)
memFree	724	Available physical memory (MB)
memCached	700	Cached memory (MB)
memBuffers	100	System buffer (MB)

Response content example:

```
{
  "cpuRealUsed": 0.85,
  "memTotal": 1741,
  "system": "CentOS Linux 7.5.1804 (Core)",
  "memRealUsed": 691,
  "cpuNum": 6,
  "memFree": 189,
  "version": "6.8.1",
  "time": "0\u592923\u5c0f\u65f645\u5206\u94f6",
  "memCached": 722,
  "memBuffers": 139,
  "isuser": 0
}
```

Get disk partition information

URI address: /system?action=GetDiskInfo

Incoming parameters: No

Response:

Field	Field value example	Description
[].path	/	Partition mount point
[].inodes	["8675328", "148216", "8527112", "2%"]	Partition Inode Usage Information [Total, Used, Available, Usage]
[].size	["8.3G", "4.0G", "4.3G", "49%"]	Partition capacity usage information [total, used, available, usage]

Response content example:

```
[
  {"path": "/",
   "inodes": ["8675328", "148216", "8527112", "2%"],
   "size": ["8.3G", "4.0G", "4.3G", "49%"]}
]
```

```

    },
    {
      "path": "/www",
      "inodes": ["655360", "295093", "360267", "46%"],
      "size": ["9.8G", "3.7G", "5.6G", "40%"]
    }
  ]

```

Get real-time status information (CPU, memory, network, load)

URI address: /system?action=GetNetWork

Incoming parameters: No

Response:

Field	Field value example	Description
downTotal	446326699	Total reception (number of bytes)
upTotal	77630707	Total transmission (number of bytes)
downPackets	1519428	Total collection (a)
upPackets	175326	Total delivery (a)
down	36.22	Downstream traffic (KB)
up	72.81	Upstream traffic (KB)
cpu	[1.87, 6]	CPU real-time information [usage rate, core number]
mem	{memFree: 189, memTotal: 1741, memCached: 722, memBuffers: 139, memRealUsed: 691}	Memory real-time information
load	{max: 12, safe: 9, one: 0, five: 0.01, limit: 12, fifteen: 0.05}	Load real-time information one: 1 minute five: 5 minutes fifteen: 10 minutes

Response content example:

```

{
  "load": {"max": 12, "safe": 9.0, "one": 0.01, "five": 0.02, "limit": 12, "fifteen": 0.05},
  "down": 8.77,
  "downTotal": 453078627,
  "mem": {"memFree": 189, "memTotal": 1741, "memCached": 722, "memBuffers": 140, "memRealUsed": 690},
  "up": 4.33,
  "upTotal": 78070942,
  "upPackets": 177930,
  "downPackets": 1548192,
  "cpu": [0.23, 6]
}

```

Check for installation tasks

URI address: /ajax?action=GetTaskCount

传入参数: 无

Incoming parameters: No

Response: 0

Check panel update

URI address: /ajax?action=UpdatePanel

Parameter name	Parameter value	Description
check	true	Force check for updates [Optional]
force	true	Perform an update [Optional]

Response content:

Field	Field value example	Description
status	true	Get state true false
version	6.3.1	Latest version number
updateMsg	string	Upgrade Instructions

Response content example:

```
{
  "status": true,
  "version": "6.3.1",
  "updateMsg": "Upgrade Instructions"
}
```

Website management

Get a list of websites

URI address: /data?action=getData&table=sites

Parameter name	Parameter value	Description
p	1	Current page [optional]
limit	15	Number of rows retrieved [must pass]
type	-1	Classification ID, -1: Sub-category 0: Default classification [Optional]
order	id desc	Sorting rules Use id descending order: id desc Use name ascending order: name desc [Optional]
tojs	get_site_list	Paginated JS callback, if not passed, construct URI paging connection [Optional]
search	www	Search content [optional]

Response content:

Field	Field value example	Description
data	[]	Site list data
page		Paging data
where	type_id=0	Data query condition

Response content example:

```
{
  "data": [
    {
```

```

        "status": "1",
        "ps": "bbb.com",
        "domain": 1,
        "name": "bbb.com",
        "addtime": "2018-12-14 16:14:03",
        "path": "/www/wwwroot/bbb.com",
        "backup_count": 0,
        "edate": "0000-00-00",
        "id": 64
    }
],
"where": "type_id=0",
"page": "<div><span class='Pcurrent'>1</span><span class='Pcount'>\u51711\u6761\u6570\u636e</span></div>"
}

```

Get website classification

URI address: /site?action=get_site_types

Incoming parameters: empty

Response content example:

```

[
    {"id": 0, "name": "\u9ed8\u8ba4\u5206\u7c7b"}
]

```

Get a list of installed PHP versions

URI address: /site?action=GetPHPVersion

Incoming parameters: empty

Response content example:

```

[
    {"version": "00", "name": "\u7eaf\u9759\u6001"},
    {"version": "56", "name": "PHP-56"},
    {"version": "72", "name": "PHP-72"}
]

```

Create a website

URI address: /site?action=AddSite

Parameter name	Parameter value	Description
webname	{"domain":"w1.hao.com","domainlist":[],"count":0}	Website main domain name and domain name list Please pass JSON [Must]
path	/www/wwwroot/w1.hao.com	Root directory [Must]
type_id	0	Classification mark [Must]
type	PHP	Project type Please pass PHP [Must]
version	72	PHP version Please select from the PHP version list [Must]
port	80	Website port [Must]

ps	test	Website Remarks [Must]
ftp	true false	Whether to create FTP [Must]
ftp_username	w1_hao_com	FTP username must be passed when you want to create FTP
ftp_password	WCBZ6cH87raERzXc	FTP password must be passed when you want to create FTP
sql	true false	Whether to create a database [Must]
codeing	utf8 utf8mb4 gbk big5	Database character set must pass when you want to create a database
datauser	w1_hao_com	Database username and name must be passed when you want to create a database
datapassword	PdbNjJy5hBA346AR	Database password must be passed when you want to create a database

Response content:

Field	Field value example	Description
siteStatus	true false	Whether the website was created successfully
ftpStatus	true false	Whether FTP is successfully created
ftpUser	w2_hao_com	FTP username
ftpPass	sRxmY6xCn6zEsFtG	FTP password
databaseStatus	true false	Whether the database was created successfully
databaseUser	w2_hao_com	Database username and name
databasePass	PdbNjJy5hBA346AR	Database password

Response content example:

```
{
  "ftpStatus": true,
  "databaseUser": "w2_hao_com",
  "databaseStatus": true,
  "ftpUser": "w2_hao_com",
  "databasePass": "PdbNjJy5hBA346AR",
  "siteStatus": true,
  "ftpPass": "sRxmY6xCn6zEsFtG"
}
```

Delete website

URI address: /site?action=DeleteSite

Parameter name	Parameter value	Description
id	66	Website ID [Must]
webname	w2_hao_com	Site name [Must]
ftp	1	Whether to delete the associated FTP, if you do not delete, please do not pass this parameter [Optional]
database	1	Whether to delete the associated database, if you do not delete, please do not pass this parameter [Optional]
path	1	Whether to delete the website root directory, if you do not delete, please do not pass this parameter [Optional]

Response content:

Field	Field value example	Description
status	true false	Whether the operation is successful
msg	successfully deleted!	Prompt content

Response content example:

```
{
  "status": true,
  "msg": "\u7ad9\u70b9\u5220\u9664\u6210\u529f!"
}
```

Stop website

URI address: /site?action=SiteStop

Parameter name	Parameter value	Description
id	66	Website ID [Must]
name	w2.hao.com	Website name (main domain) [Must]

Response content example:

```
{
  "status": true,
  "msg": "\u7ad9\u70b9\u5220\u9664\u6210\u529f!"
}
```

Start website

URI address: /site?action=SiteStart

Parameter name	Parameter value	Description
id	66	Website ID [Must]
name	w2.hao.com	Website name (main domain) [Must]

Response content example:

```
{
  "status": true,
  "msg": "\u7ad9\u70b9\u5df2\u542f\u7528"
}
```

Website expiration time

URI 地址: /site?action=SetEdate

Parameter name	Parameter value	Description
id	66	Website ID [Must]
edate	2019-01-01	Expiration time Permanent: 0000-00-00 [Must]

Response content example:

```
{
  "status": true,
  "msg": "\u7ad9\u70b9\u5df2\u542f\u7528"
}
```

Modify website notes

URI address: /data?action=setPs&table=sites

Parameter name	Parameter value	Description
id	66	Website ID [Must]
ps	test	Remarks [Must]

Response content example:

```
{  
  "status": true,  
  "msg": "\u4fee\u6539\u6210\u529f"  
}
```

Get a list of website backups

URI address: /data?action=getData&table=backup

Parameter name	Parameter value	Description
p	1	Current page [Optional]
limit	5	The number of data rows retrieved per page [Must]
type	0	Backup type, please pass 0 fixed [Must]
tojs	get_site_backup	Paginated JS callback, if not passed, construct URI paging connection [Optional]
search	66	Website ID [Must]

Response content:

Parameter name	Parameter value	Description
data	[]	Backup list data
page		Paging data
where	type_id=0	Data query condition

Response content example:

```
{  
  "data": [],  
  "where": "pid=65 and type='0'",  
  "page": "<div><span class='Pcurrent'>1</span><span class='Pcount'>\u51710\u6761\u6570\u636e</span></div>"  
}
```

Create a website backup

URI address: /site?action=ToBackup

Parameter name	Parameter value	Description
id	66	Website ID [Must]

Response content example:

```
{  
  "status": true,  
  "msg": "\u5907\u4ef0\u6210\u529f!"  
}
```


}

Delete website backup

URI address: /site?action=DelBackup

Parameter name	Parameter value	Description
id	121	Backup list ID [Must]

Response content example:

```
{
  "status": true,
  "msg": "\u5220\u9664\u6210\u529f"
}
```

Get a list of domain names for your site

URI address: /data?action=getData&table=domain

Parameter name	Parameter value	Description
search	66	Website ID [Must]
list	true	Must pass true

Response content example:

```
[
  {
    "port": 80,
    "addtime": "2018-12-15 16:57:30",
    "pid": 65,
    "id": 73,
    "name": "w1.hao.com"
  }
]
```

Add domain name

URI address: /site?action=AddDomain

Parameter name	Parameter value	Description
id	66	Website ID [Must]
webname	w2.hao.com	Site name [Must]
domain	w4.hao.com:81	The domain name to be added: port 80, the end product does not have to construct a port, and multiple domain names are separated by a newline [Must]

Response content example:

```
{
  "status": true,
  "msg": "\u57df\u540d\u6dfb\u52a0\u6210\u529f!"
}
```

Delete domain name

URI address: /site?action=DelDomain

Parameter name	Parameter value	Description
id	66	Website ID [Must]
webname	w2.hao.com	Site name [Must]
domain	w4.hao.com	Domain name to be deleted [Must]
port	80	The port of the domain name [Must]

Response content example:

```
{
  "status": true,
  "msg": "\u5220\u9664\u6210\u529f"
}
```

Get an optional predefined pseudo-static list

URI address: /site?action=GetRewriteList

Parameter name	Parameter value	Description
siteName	w2.hao.com	Site name [Must]

Response content:

Field	Field value example	Description
rewrite	[]	Predefined pseudo static list

Response content example:

```
{
  "rewrite": ["0.\u5f53\u524d", "EmpireCMS", "dabr", "dbshop", "dedecms", "default", "discuz", "discuzx",
  "discuzx2", "discuzx3", "drupal", "ecshop", "emlog", "laravel5", "maccms", "mvc", "niushop", "phpcms", "phpwind",
  "sablog", "seacms", "shopex", "thinkphp", "typecho", "typecho2", "weengine", "wordpress", "wp2", "zblog"]
}
```

Get the specified predefined pseudo-static rule content (get the file content)

URI address: /files?action=GetFileBody

Field	Field value example	Description
path	/www/server/panel/vhost/rewrite/nginx/name.conf	The file to be obtained [Must]

Save pseudo static rule content (save file content)

URI address: /files?action=SaveFileBody

Field	Field value example	Description
path	/www/server/panel/vhost/rewrite/nginx/名称.conf	Save location [Must]
data		Rule content

encoding	utf-8	File code, please pass it utf-8
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Retrieve the root of the specified website

URI address: /data?action=getKey&table=sites&key=path

Field	Field value example	Description
id	1	Website ID [Must]

Retrieve anti-cross-hop configuration/run directory/log switch status/settable run directory list/password access status

URI 地址: /site?action=GetDirUserINI

Field	Field value example	Description
id	1	Website ID [Must]
path	/www/wwwroot/w1.if22.cn	Website root directory [Must]

Response content example:

```
{
  "pass": false,      #Whether to set password access
  "logs": true,      #Whether to write access logs
  "userini": true,   #Whether to set up anti-crossing station
  "runPath": {
    "dirs": ["/"],   #List of directories that can be used to set the run directory
    "runPath": "/"  #Current running directory
  }
}
```

Set anti-crossing status (automatic reversal)

URI address: /site?action=SetDirUserINI

Field	Field value example	Description
path	/www/wwwroot/w1.if22.cn	Website root directory [Must]

Set whether to write access logs

URI address: /site?action=logsOpen

Parameter name	Parameter value	Description
id	1	Website ID [Must]

Modify the website root directory

URI address: /site?action=SetPath

Parameter name	Parameter value	Description
id	1	Website ID [Must]
path	/www/wwwroot/w1.if22.cn	New website root directory [Must]

Set whether to write access logs

URI address: /site?action=SetSiteRunPath

Parameter name	Parameter value	Description
id	1	Website ID [Must]
runPath	/public	Run directory based on the root of the website

Set password access

URI address: /site?action=SetHasPwd

Parameter name	Parameter value	Description
id	1	Website ID [Must]
username	test	username
password	admin	password

Turn off password access

URI address: /site?action=CloseHasPwd

Parameter name	Parameter value	Description
id	1	Website ID [Must]

Get traffic limit related configuration (only supports nginx)

URI address: /site?action=GetLimitNet

Parameter name	Parameter value	Description
id	1	Website ID [Must]

Enable or save traffic limit configuration (only nginx is supported)

URI 地址: /site?action=SetLimitNet

Parameter name	Parameter value	Description
id	1	Website ID [Must]
perserver	300	Concurrency restrictions [Must]
perip	25	Single IP limit [Must]
limit_rate	512	Traffic limit [Must]

Turn off traffic limits (only nginx is supported)

URI address: /site?action=CloseLimitNet

Parameter name	Parameter value	Description
id	1	Website ID [Must]

Take the default document information

URI address: /site?action=GetIndex

Parameter name	Parameter value	Description
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id	1	Website ID [Must]
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Set default document

URI address: /site?action=SetIndex

Parameter name	Parameter value	Description
id	1	Website ID [Must]
Index	index.php,index.html,index.htm,default.php,default.htm,default.html	Default document, each separated by a comma [Must]

Take the content of the website configuration file (get the file content)

URI address: /files?action=GetFileBody

Parameter name	Parameter value	Description
path	/www/server/panel/vhost/nginx/name.conf	The file to be obtained [Must]

Save the website configuration file (save the file content)

URI address: /files?action=SaveFileBody

Parameter name	Parameter value	Description
path	/www/server/panel/vhost/nginx/name.conf	Save location [Must]
data		Profile content
encoding	utf-8	File encoding Please fill in utf-8