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# **Kwstandby Documentation**

***Release***

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Kwstandby provides a REST API to shutdown and wake up the hosts using their IPMI cards. This documentation offers information on how Kwstandby works.



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## Installing

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### 1.1 Installing Kwstandby

1. Clone the Kwstandby git repository to the management server:

```
$ git clone https://github.com/frossigneux/kwstandby
```

2. As a user with `root` permissions or `sudo` privileges, run the Kwstandby installer and copy the configuration files:

```
$ pip install kwstandby  
$ cp -r kwstandby/etc/kwstandby /etc/
```

### 1.2 Running Kwstandby service

Start the Kwstandby API:

```
$ kwstandby-api
```





## Configuration Options

The following table lists the Kwstandby options in the configuration file. Please note that Kwstandby uses openstack-common extensively, which requires that the other parameters are set appropriately.

Parameter	Default	Note
api_port	5002	API port
acl_enabled	true	Keystone authentication
policy_file	/etc/kwstandby/policy.json	Access rules
log_file	/var/log/kwstandby.log	Log file
ipmi_node	{ 'interface': 'lanplus', 'host': '192.168.0.2', 'username': 'user1', 'password': 'secret1' }	IPMI card information

The config file contains also a section dedicated to Keystone authentication.

Parameter	Default	Note
auth_node	localhost	Auth node
auth_protocol	http	Auth protocol
admin_user	kwstandby	Admin
admin_password	password	Password
admin_tenant_name	service	Tenant name

A sample configuration file can be found in [kwstandby.conf](#).

## 2.1 API

Verb	URL	Parameters	Expected result
GET	/v1/status/		Returns all hosts status
GET	/v1/status/<host>/	host	Returns the host status
PUT	/v1/status/<host>/	host, { "status": "standby" or "wakeup" }	Update the host status



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## Project Hosting Details

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**Code Hosting** <https://github.com/frossigneux/kwstandby>