

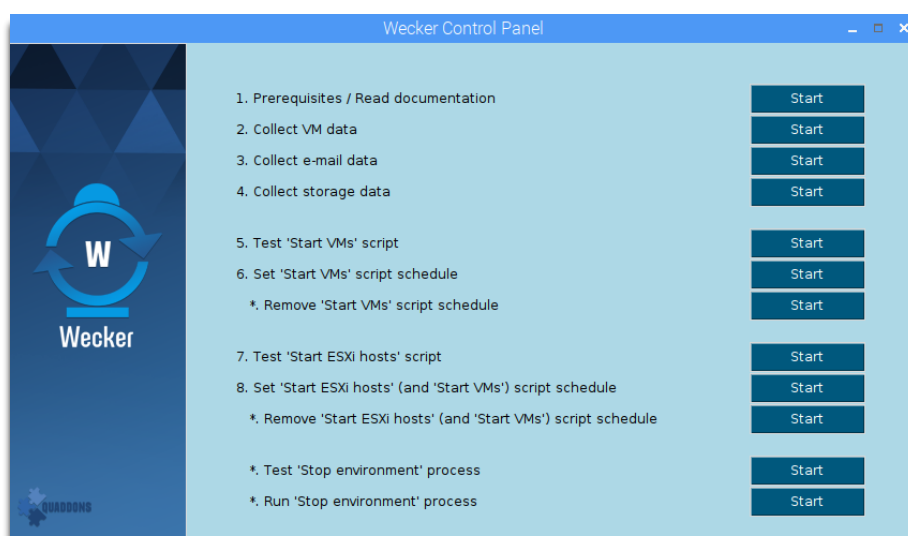
Automatic startup and shutdown for VMware vSphere

Wecker is a solution which enables automatic startup and shutdown of the entire VMware vSphere virtualization environment. It also provides continuous monitoring of VMware vSphere environment and alerting functionalities.

Wecker is a hardware appliance which consists of the Wecker software preinstalled on Raspberry Pi 3 B+. The Wecker software is written in Python and uses Microsoft PowerShell and VMware PowerCLI to automate tasks in VMware vSphere.

Product features:

- Virtual servers automatic startup
- VMware ESXi hosts automatic startup (using Wake On LAN)
- Virtual servers automatic shutdown
- VMware ESXi hosts automatic shutdown
- Virtual servers and VMware ESXi hosts remote shutdown
(possibility to run shutdown from remote system e.g. UPS using single command)
- Testing without impact on production
- Continuous VMware vSphere environment monitoring
- E-mail alerting
- Daily report (overall VMware vSphere health information)



For detailed product description, please refer to Wecker User Guide at <https://www.quaddons.com/wecker> .

1. Wecker was designed to help customers who have a VMware vSphere environment working with unstable power supply. If you have a VMware vSphere environment with VMware vSphere HA enabled, there is no way of orderly stopping and starting VMs in case of a power outage.

If a power outage occurs, you can (automatically, using UPS software or manually through Wecker Control Panel), run the Wecker command which will gracefully stop entire VMware vSphere environment. Using a preconfigured order, Wecker will stop all VMs (including VMware vCenter server and other system VMs), place VMware ESXi hosts into maintenance mode and power off VMware ESXi hosts.

After power is restored, Wecker will exit VMware ESXi hosts from maintenance state, check for datastores availability and start VMs. System VMs such as VMware vCenter server, database for VMware vCenter server etc. are started directly on VMware ESXi hosts. Once VMware vCenter server has been started, Wecker will connect to it and continue the starting process using connection to VMware vCenter server.

Wecker can even start your VMware ESXi hosts using Wake On LAN if your UPS does not support "power on" groups, thus preventing VMware ESXi hosts to start before the storage system.

2. Wecker supports testing of start and stop operations without impact on production.

3. Wecker connects to VMware ESXi hosts (each, individually) and the VMware vCenter server every five minutes. It will send an e-mail alert if any of them are inaccessible.

4. In normal, everyday scenario, Wecker will send you a daily report with important information about VMware vSphere environment health (VMware vCenter server alarms, snapshots, VMware tools status).

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