EXECUTIVE SUMMARY

Stop a power zombie apocalypse

Using Dell EMC OpenManage Enterprise Power Manager

Power zombies, also known as ghost servers or comatose servers, have voracious appetites. These undead servers can waste precious floor space, spike energy costs, and gnaw on staffing budgets. However, if you have Dell EMC™ OpenManage™ Enterprise Power Manager in place, your power zombie survival plan is already in motion.

Armed with the power history OpenManage Enterprise Power Manager compiled automatically, our zombie-hunter admin was able to detect the threat in a fraction of the time it would take to manually scour iDRAC9 server statistics, record power consumption results on a spreadsheet, and analyze the resultant data.

RULES OF SURVIVAL

1. Track power usage.
2. Detect power zombies.
3. Remediate the problem.
4. Eliminate the threat.

99% LESS TIME

AND EFFORT TO DETECT POWER ZOMBIES WITH OPENMANAGE POWER MANAGER

206 fewer minutes and 1,613 fewer steps

vs. manually tracking a suspected power zombie over 180 days

POWER ZOMBIE ORIGIN STORIES

THE FORGOTTEN: In its day, this server ran mission-critical workloads, but IT moved those workloads to newer models and failed to shut this legacy server down.

THE INSURANCE PLAN: When this server's financial workload went away, IT kept it up and running in case they needed to recover the data later—but now that a more robust recovery plan is in place, this server is unnecessary.

THE INVISIBLE: This server contains a virtualized application and fell off the radar during a personnel change. It cycles up only once or twice a year.

THE BOMB: No one remembers the functions of the apps running on this server, so to be safe, no one unplugs it.

Automating the war on power zombies

Based on our testing, we estimate that ***manually*** recording power consumption results on a spreadsheet over the course of ***180 days would devour three hours and 27 minutes and require 1,620 steps***. This is definitely better than when SysAdmins were stuck strolling the data center with clipboards in hand, but it still requires a lot of human attention. By comparison, the Power Manager plugin automatically collected the necessary power consumption data after a one-time policy-based automation activation. This ***automation*** allowed us to track down power zombies in ***31 seconds and 7 steps***.

Your Power Manager arsenal

Dell EMC OpenManage Enterprise Power Manager automatically collects power consumption data and presents it by category:

METRICS AND MONITORING HISTORY
THERMAL HISTORY
I/O UTILIZATION HISTORY

This makes it easy for admins to spot power zombies lurking in the shadows.

Conclusion

Historically, hunting power-zombie servers took a lot of time and effort. With Dell EMC OpenManage Enterprise Power Manager automation, your power zombie survival plan is a no-brainer. OpenManage Enterprise Power Manager automatically collects power consumption data and shows CPU, I/O, and power usage. This empowers your zombie-hunting admins to more efficiently track down power zombies, clear precious floor space faster, and reclaim energy costs currently being devoured by undead servers.

Read the report at http://facts.pt/fJ2TOT0 ▶

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