Application Note - AN1301

Solution in Response to Removal of
"Battery capacity is critically low" Event

Purpose

From the PowerPanel Business Edition 2.3.2, the **Battery capacity is critically low** event is not available. If you have upgraded from the early version, this guide will indicate what differ from the early version and which settings you should change.

Why to Remove "Battery capacity is critically low" Event

In previous version, the **Battery capacity is critically low** event drives computer to perform a graceful shutdown when UPS battery capacity is lower than a preset threshold during the power failure, users have to estimate how much battery power in percentages is enough for computers to complete a graceful shutdown. Once more computers connect to an UPS, the battery power will drain more fast, in order to ensure a graceful shutdown is successful, users have to adjust this threshold, it is difficult for users to estimate the proper battery threshold in percentages.

The **Remaining runtime will be exhausted** event also drives computers to perform a graceful shutdown in power failure, but the difference is that it starts to shutdown according to whether the battery remaining runtime is less than the time all computers need. Users merely need to configure the necessary shutdown time properly in Agent and each Client.

Due to aforementioned description, the **Battery capacity is critically low** event is no more used and removed in PPBE 2.3.2.

Assign Proper Shutdown for "Remaining runtime will be exhausted" Event

If users set computers to shutdown in case of the **Battery capacity is critical low** event in previous version, the shutdown action will take effect no more because of removal of the **Battery capacity is critical low** event from the PPBE 2.3.2. You must set the shutdown action of the **Remaining runtime will be exhausted** event in PPBE 2.3.2.

Power Strategy

Users could choose the proper power strategy according to the circumstance of utility power. PPBE provides two strategies described as below to users:

● **Preserve UPS battery power.** In order to save more battery power for the next occurrence of power

failure in case of frequent and short blackout circumstance, the computer should stay using battery power in a while for specific time then start to shutdown, Users should configure the shutdown delay of the **Utility power failure** event properly to accomplish this purpose.

- **Keep computes run as long as possible.** In order for computers to maximize the runtime in case of occasional and long blackout circumstance, the **Remaining runtime will be exhausted** event will be used for computers to shut down gracefully prior to a UPS turning off.