SNAPD-18 - Power management on Ubuntu Core Systems

20/10/16, Den Haag

- what does inactivity mean??
 - are we talking about opportunistic suspend or the more traditional suspend

 - does the image have support for s3/s4?

 - for s4 we need swap

- first, we need the mechanisms to trigger s3 and s4

- we need the ability to allow snaps to trigger s3 or s4

- trigger the action - do it now

- trigger the action is no locks are present?

Who owns the enforcing the policy? Is it snapy vs. a 3rd component?

Gustavo -> all the logic should go in snapd.

Does snapd include triggering logic, and also event logic. Perhaps this is just a layer on top of systemd settings.

 - snapd could have two policys (opportunistic/android vs. traditional idle model)

What about upowerd?

A lot of the scenarios that were hard on the phone might be easier to handle in snapd?

On touch repowerd, collect information, and then implements logic to trigger.

ACTION: tony... dig into requirement from Dell for Caracalla.

What about upower?

We need to express a set of policies… that could be implemented in snapd.

Caracalla devices are a hybrid edge/gateway devices that have batteries. Green Iot devices, thermostats.

Picture of whiteboard at session:

push
notification

→ Updates

Tony → Rev
Tuss → desc.

+ keep system alive

Swap support

re power d
powerd

gadget snap
whitelist

systemd

snapd implementation   control/advise

2 policies | 'Linux' → on→off
            | 'Android' → off → on