

Proposal on Linux Standardization

RAS Functionality

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Why Enterprise(RAS) ?

- Enterprise area is important market for Linux
- Linux is enhanced day by day to achieve the necessary functions for enterprise.
- But Linux(up stream:2.6) still lacks essential functions for Enterprise use.

What functions

Essential functions for Kernel maintenance -
to detect and fix bugs -

- LKCD(Linux Kernel Crash Dump)
 - Dump memory when Kernel crashes
- LKST(Linux Kernel State Tracer)
 - Gather Kernel trace information

Why RAS needs to be standardized

- From the point of customers view
 - Customers in Enterprise area need:
 - Unique and only
 - Certified
 - Enough
 - Standard.
 - Enterprise customers expect stable Linux to run without bugs.

Why RAS needs to be standardized

- From the point of realization.
 - We have real implementations for RAS.
 - LKCD : <http://lkcd.sourceforge.net/>
 - LKST : <http://lkst.sourceforge.net/>
 - But on the latest Linux, Up Stream Kernel and LSB does not include RAS functions.
 - Currently, RAS functions are not defact/community standard. But they are important functions.