

What's the point to your existence

Daniel Traynor, QMUL, 19/06/2018

Job description

- The role of the HEP system manager is changing. A lot of the more mundane compute needs are being centralised (desktops/printers/networks). Many of the roles are being filled part time (1/2 FTE) with experimental work or non hep (astro?) requirements
- Changing needs of our users. Changing users with different needs.

Changing Resources

- How much use of central services they make and what type of services: desktops/printers/networks/VMs.
- Cloud usage: private, university, public (AWS).
- Central (university) compute clusters/resources.
- Backup solutions (HEP/department/university).
- Accelerated computing: GPUSs, FPGSs, dedicated ASICS.

Different Data Analysis Frameworks

- Not root but things like:
 - Hadoop, hdfs and Spark (+ ecosystem).
 - Java, R, Matlab, Mathematica,
 - HDF5 file format,
 - online work: jupyter notebooks, Elastic search.

What People need from Hepsysman

- Networking / finding out what other people are doing
- Solving problems
- Training and Professional development:
 - How to build a ceph cluster,
 - How to program to use object stores,
 - Setting up jupyter notebooks,
 - Setting up Elastic search,
 - Monitoring a cluster/experiment hardware

3 rules to successful system administration

Cutting corners to meet arbitrary management deadlines



Essential

Copying and Pasting
from Stack Overflow

O'REILLY®

The Practical Developer
@ThePracticalDev

The internet will make those bad words go away



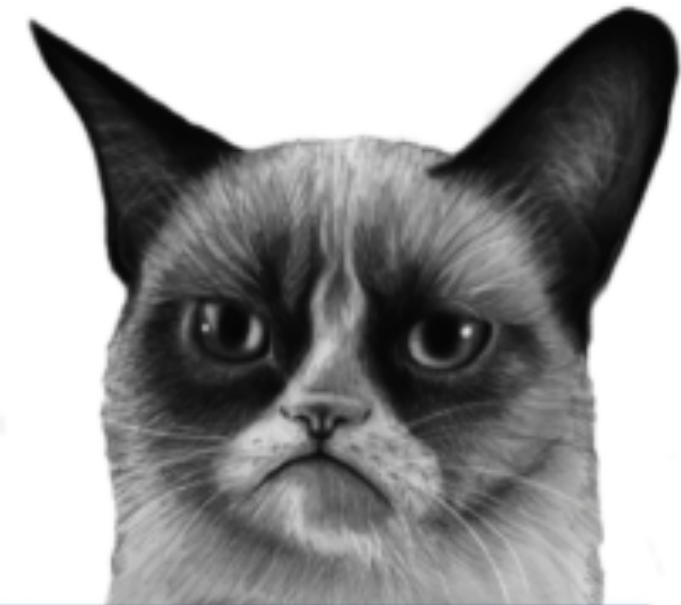
Essential

Googling the
Error Message

O RLY?

The Practical Developer
@ThePracticalDev

You're a 10x hacker and it must be someone else's fault.



Blaming the
User

Pocket Reference

O RLY?

@ThePracticalDev