The OpenNebula piece in the RDlab-UPC IT services Puzzle

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WHO? / WHAT? / HOW?

...Are You?

...Is your “business”?

...Are your numbers?

What?

...Do you manage your IT infrastructure?

How...

Who...
Not sure, if hungry
or just boring
• Standalone Virtual machine

Windows System

User Data

Single file

Windows System

User Data

Single file 1

Single file 2

/ 

/home

SWAP

Single file 1

Single file 2

Single file 3

Windows Systems

Linux
• Shared Virtual machine (*Linux only*)
NOT SURE IF
I SHOULD ASK QUESTIONS
OPENNEBULA BACKUP

• **Windows Systems**
  - Full image clone monthly (onevm disk-saveas)

• **Linux Systems**
  - Full image clone monthly (onevm disk-saveas)
  - Daily incremental backups (tar file)

• **3rd party backup software?**
• **Lessons learned**

- Reserve some RAM in hosts

- CPU Performance: *Hyperthreading* but do not oversubscribe (ν*CPU*)

- Disk Performance: VMDK/QCOW2 vs RAW

- Think before thinking big
REFERENCES

[www1] https://rdlab.cs.upc.edu


[www3] https://memegenerator.net


[www5] http://vector.me


[www9] https://linuxcontainers.org/