What is an **IMAGE**?  
What is a **Cloud INSTANCE**?
TASK
Test Images in the Cloud
CONDITIONS
Instance type, regions, network setup, ...
HOW MANY IMAGES? INSTANCES? HOW OFTEN?

IMAGES

- RHEL x.y
- RHEL x.y Atomic
- Beta
- RC
- GA
- z stream

INSTANCES

- ~ 12 regions (US-EAST-1, US-WEST-2, ...., CN-NORTH-1)
- ~ 30 Instance types (T2, M4, M3, C4, C3, R3, G2, I2, D2 )
TEST CASES

Many
PROBLEM #1
It’s Pricey
PROBLEM #2
Test cases are dependent
ADDING STORAGE

Partitioning

Formatting

Mounting
SOLUTION
Run Tests with Dependencies
HOW
To run test cases on **one** instance?
--parallel-tests
--parallel-tests
--parallel-tests
--parallel-tests
--parallel-tests
--parallel-tests
HOW
To run test cases on many instances?
× N instances
--parallel-instances
IMPLEMENTATION

Python 2

boto   paramiko   python-rpyc
gevent aaargh PyYAML
SOURCE CODE
https://github.com/RedHatQE/dva/
THANK YOU

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