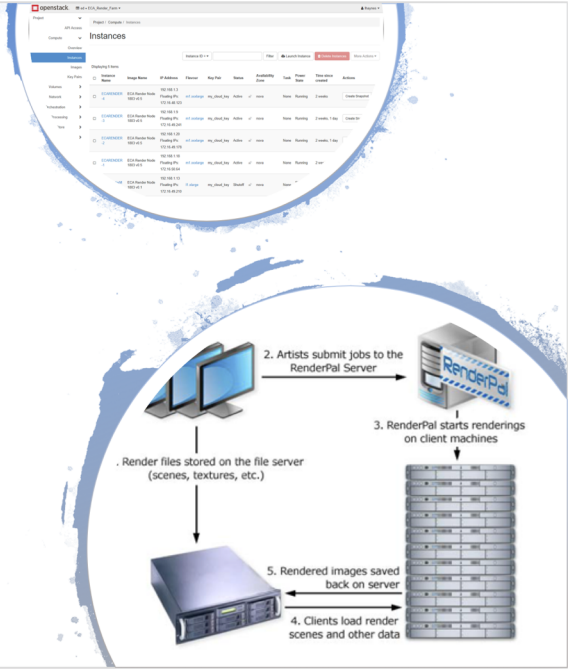
SCALABLE COMPUTE INFRASTRUCTURE

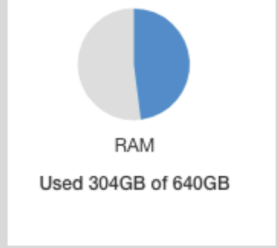
- Openstack could give us a pool of flexible resource
- With orchestration and management
- Billed for what we use
- And no physical hardware

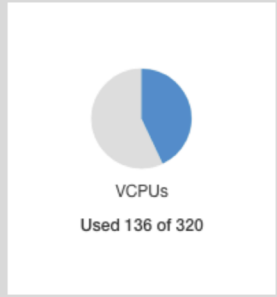


BATTERIES NOT INCLUDED

- First Windows users on Eleanor
- Licensing is … Windows licensing
- Build Windows cloud-ready image
- New 'XXXL' instance size for nodes (32vCPU, 64GB RAM)

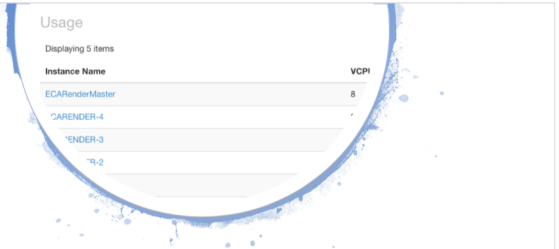
Thankfully, IS Research Services are extremely game





ON CLOUD 9

- Nodes are like stripped-down lab machines
- Scalable with demand: can meet our peaks
- More resource == more performance, within reason
- Open architecture: could port to other clouds
- No physical hardware
- *Potentially* usable by anyone
- We have control of the image, render software etc



ON CLOUD 9?

- Limited number of renderers can be supported
- Finite (albeit scalable) compute resources
- Increased complexity for students vs lab machines
- Operator skill required
- Significant learning curve for staff and students
- Eg tweaking a few settings can make 500% difference to render time