

sharing is caring a beginners guide to security in the cloud

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clouds are cool



this is a lightning talk

hi, i'm Petra

- ☁️ ~~Sailor Scout~~ Virtual Security Officer at Aura
- ☁️☀️ travel the world making friends with animals
- ☁️⚡ pick locks for fun (and ❤️ teaching people)



let's get our heads in the cloud

 what is the cloud?

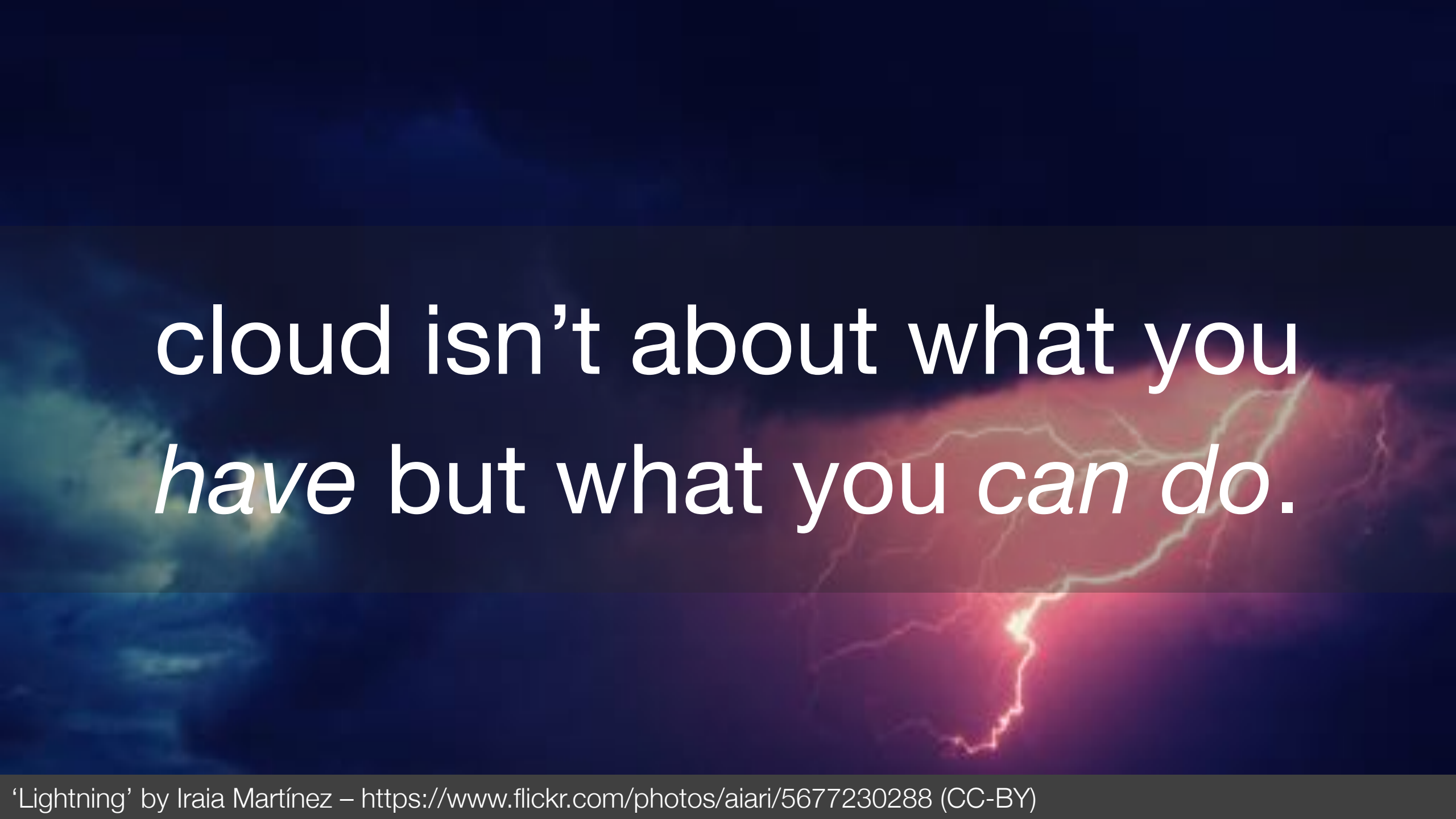
 is it secure?

 what do you mean “it depends”?!

 how do I keep my stuff safe in the cloud?

An aerial photograph showing a vast, undulating sea of white, fluffy clouds stretching towards the horizon under a clear blue sky. The clouds are densely packed and have a soft, textured appearance. A semi-transparent dark grey horizontal band is overlaid across the middle of the image, serving as a background for the title text.

what is the cloud?



cloud isn't about what you
have but what you *can* do.



is the cloud secure?

A dramatic sky with large, white, puffy clouds against a deep blue background. The clouds are illuminated from below, creating a strong contrast and a sense of depth. The overall mood is mysterious and contemplative.

who's responsible for security?

perimeter model

data handling

endpoints

identity & access

applications

operating system

network controls

physical environment

shared responsibility model



A dramatic, low-angle photograph of a sky filled with dark, heavy, and textured mammatus clouds. The clouds are illuminated from below, creating a strong contrast and highlighting their bulbous, hanging structure. The overall color palette is dark blue and black, with some lighter blue highlights where the clouds catch the light.

how can I stay safe in the cloud?

work out what you need

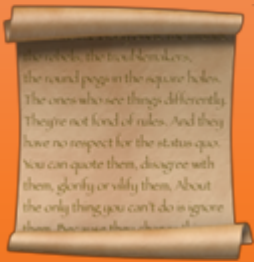
what are you
building
in the cloud?

what will it
interact
with?

what do you
need to
protect?

do you have
resources
you'll need?

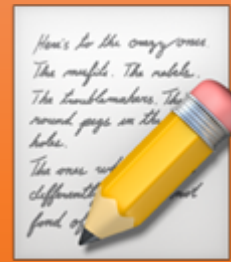
do your homework



read their docs



ask around



ask the vendor



negotiate


build your castle in the cloud

choose
your partners

design
your solution

document
your design

share
your document



nephomancy is the art of divining
the future by observing clouds.

observe your cloud

reporting

monitoring

testing

watching

cloud security is...



a shared responsibility



about trust, not control



an ongoing commitment



easier with a good plan!



questions?