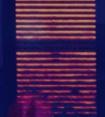


A Secure Research Environment for Microsoft Azure







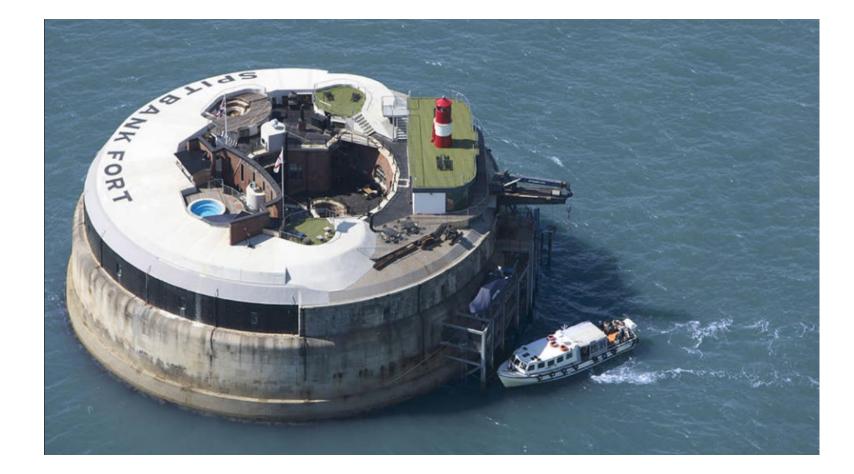
In the Cloud, Identity is Control

"You can have all of the security features you want. But if I can convince the system I'm you, it's game over."

> Alex Weinert, VP Director of Identity Security Microsoft



When working with highly sensitive data, you don't just need an island, you need a fortified island.





Your fortress has requirements...

- Strongly controlled access to isolated systems
- Data is only accessible within the environment
- Controls on data movement in and out
- Strong monitoring with telemetry reporting to an external solution
- Automated configuration enforcement to prevent "drift"

The Azure Secure Research Environment



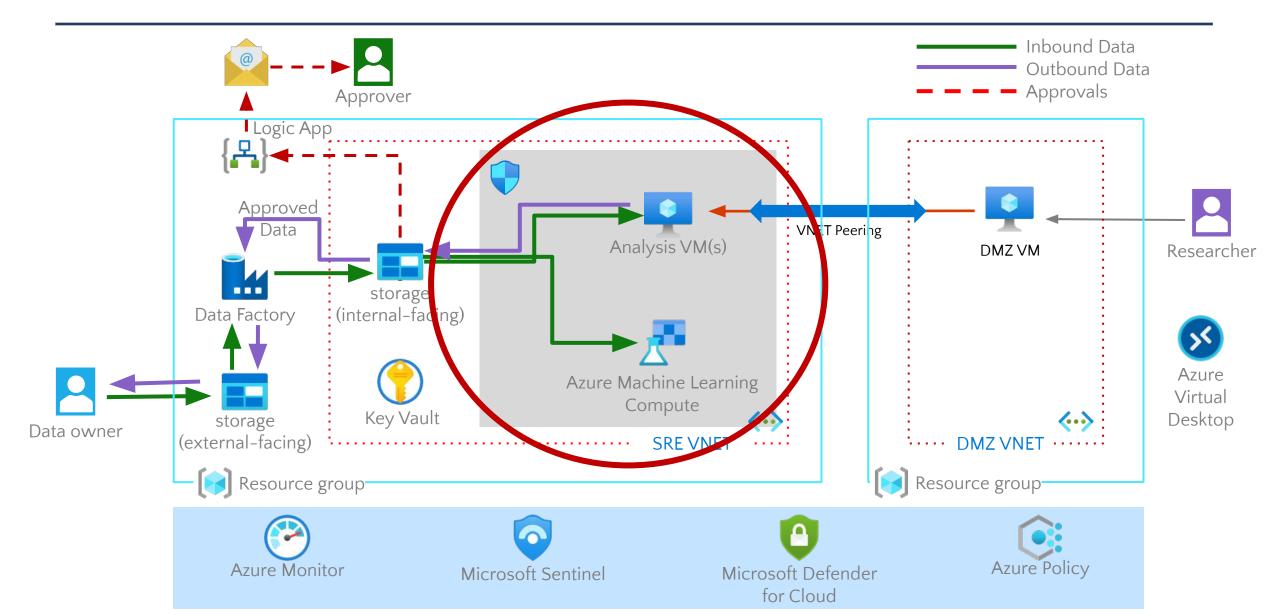
- · Created in collaboration with U of Pittsburgh
- · Control data movement
- · Isolate compute resources



https://learn.microsoft.com/azure/architecture/examplescenario/ai/secure-compute-for-research



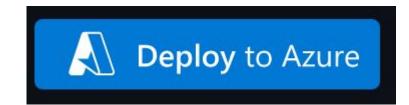
The Secure Research Environment Model



· github.com/microsoft/Azure-SRE

 \cdot All you need is an Azure subscription

· Use the "Easy Button" from GitHub or download and deploy yourself







- On-demand webinar: <u>Simplify and</u> <u>automate research compliance</u> <u>responsibilities with Azure</u>
- github.com/microsoft/Azure-SRE
- **"From Zero to Secure Research Hero"** Azure Hour presentation, Aug 2020
 - Brian Pasquini and Jay Graham, U
 Pittsburgh
- Weekly open office hours for research
 - Staffed by US EDU CSAs & friends
 - Wednesdays 3-4pm ET / noon-1pm PT
 - <u>aka.ms/edu/azureresearchofficehours</u>
 - We love hearing from PhD candidates and faculty!

