



# MOIS CLOUD

**ENTERING A NEW ERA OF MOIS**

*DISCLAIMER: The views and opinions expressed in this presentation are those of the author and do not necessarily represent official policy or position of AIHS.*



# CONFLICT OF INTEREST DISCLOSURE

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Director of Technical Operations and Information Security

Full-time salaried employee of AIHS.

## OKAY, SO WHO AM I?



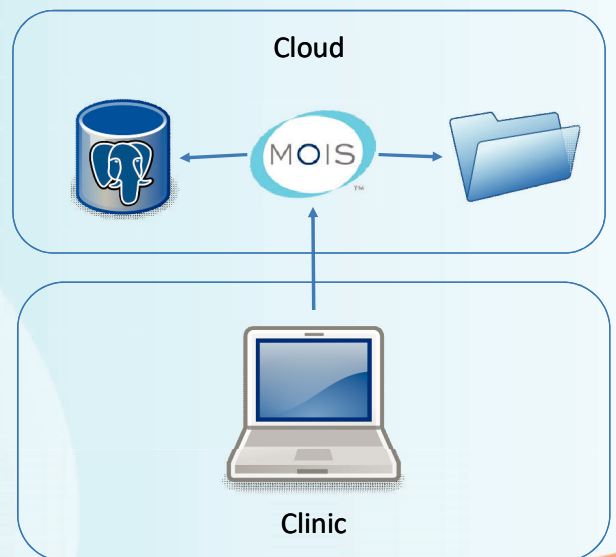
- Joined AIHS in June 2018
- Nearly a decade of multiple roles in secure datacenter engineering and management
  - Physical data centres as well as cloud
- Technical Consultant and Cloud Solutions Architect
  - Experience with large and small environments
- Range of passions

## WHAT IS MOIS CLOUD?



- MOIS & supporting infrastructure installed, configured, and maintained by AIHS
- Enhanced accessibility
- Secured with mandatory Multi-Factor Authentication
- Hosted on Microsoft Azure in Canada
- Enabled by Microsoft RemoteApp

# IN CLINIC VS IN CLOUD



## BUT JIM SAID...



- The #1 Cyber Threat to Healthcare was cloud!!!
  - Specifically ‘weak cloud computing security’
  - Unauthorized users, weak access controls
- “Hope is not a Strategy”
  - Trust but verify
  - Ask tough questions
- People – “Your Achilles heel & your first line of defense”
  - Security starts with you!
  - No shared credentials!



## MOIS CLOUD ADVANTAGES



- Less required coordination of people & services
  - IT service providers, clinic staff, AIHS personnel
- Less configuration challenges
  - Standard setup for everyone, more stability, & we grow with you!
- More data safety
  - Verified identity, no server physical access
- More peace of mind
  - What happens if?

## ACCESS ANYWHERE

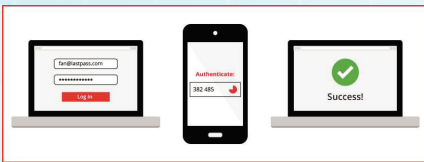


- Home, hotel, or even the local coffee shop
  - ...Provided you're still in Canada
  - Looking for feedback. Please share a use case.
- No patient data on your workstation!
  - Provided you don't put any there of course...



# MULTI-FACTOR AUTHENTICATION

- A 'factor' is something you know (knowledge), something you have (possession), or something you are (inherence)
- We cannot trust only 1 factor as email & password combination breaches are nearly weekly events!
  - <https://haveibeenpwned.com/>
- Activate it on any and all services that you can
- We provide 2 options: (Generated or Sent)
  - Time based One-Time Passwords (TOTP)
  - Text message / E-mail One-Time Passwords





# SECURE DATA HOSTING



- Microsoft Azure – Canada Central (Toronto)
  - ISO/IEC 27001 & SOC Compliant
  - Data stored encrypted at rest
- Backups replicated to Canada East (Quebec City)
  - 40% farther than Vancouver is from Prince George!
- Layered security
  - Role based access utilizing the principle of least privilege
  - Different authentication domains
  - Multi-Factor Authentication



## SMART TECHNOLOGY CHOICE



- Microsoft Remote Desktop Services – RemoteApp
  - Over 10 years of active development, built on standard RDS
- Cross platform compatibility
  - Windows & Mac
  - Other platforms available, but not yet supported by AIHS
- Enabled us to give you MOIS the way you want it
  - Hotkeys, hotkeys, hotkeys!



# MOIS CLOUD DEMO

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# Q & A

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**THANK YOU!**

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