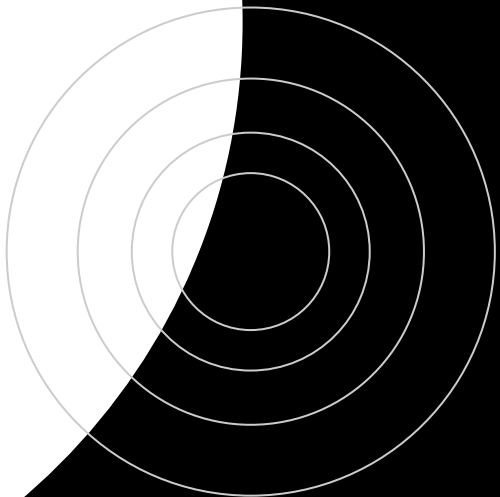


The logo for EaaS (Email Archiving and Access System) is located in the top left corner. It consists of the text "EaaS" in a white, sans-serif font, with a blue vertical bar and two blue dots to the right of the "s". The logo is set against a dark grey circular background that overlaps a larger white circle.

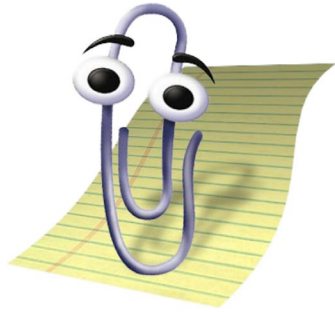
EaaS

Preserving Access to Email Archives via Remote Emulation

Ethan Gates
Email Archiving Symposium
6/14/2023

A series of four concentric white circles are positioned on the right side of the slide, partially overlapping the large white circle. The circles decrease in size from the outermost to the innermost.

What is EaaS?



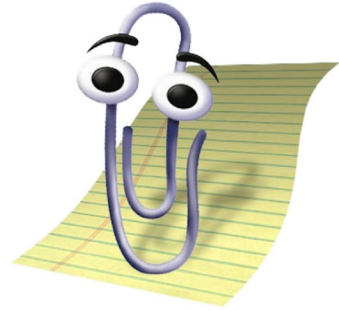
- **Emulation - as - a - Service Infrastructure** , a grant - funded program of work, hosted by Yale University Library, started in 2018



- An assembly of people and projects with the central aim of developing technology and services to expand the scale and adoption of the Emulation - as - a - Service platform
- A system (a particular implementation of EaaS) with a networked community of users



Wait, what is EaaS?



- Good question!
- It's a web-based platform that simplifies access to emulators and allows management of persistent computing environments (or "VMs", whatever you'd prefer to call them)
- Originally developed by bwFLA project at Freiburg, maintained by OpenSLX



Benefits

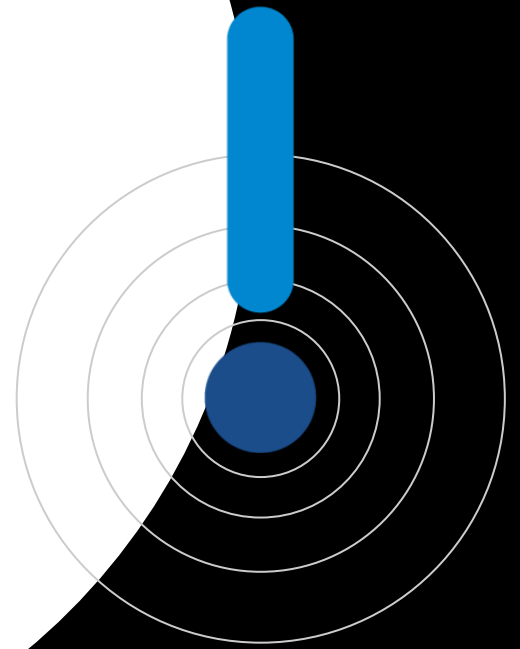
- Supply right emulator and pre - configure common settings
- Enable multi - user access to emulated environments over the web
- Smooth creation of new emulated environments
- Configure convenient ways for users to interact with environments





EaaS*i*

Demo





Obtain access to .pst files from collection



Upload as Content object to EaaSI server



Load Content into Windows XP environment w/MS Office 2003 installed



Send EaaSI server credentials to collection + public services staff so they can review .pst data running in Outlook 2003



Collectively define/determine access restrictions



Send login credentials to patron w/instructions to navigate EaaSI interface and view requested .pst





Challenges for Remote Emulation

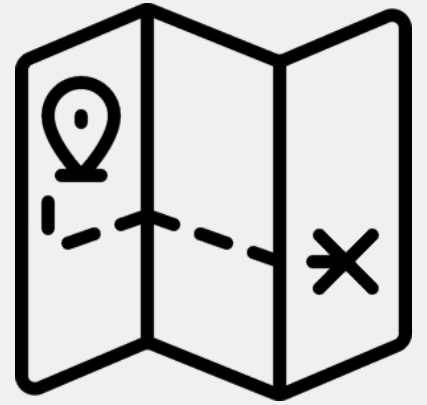
- When/how would PII identification or redaction occur?
- Where does access policy and procedure dictate collection access can occur?
- Getting feedback from the patron?
- Persistent, stable infrastructure?





On the Roadmap: Advocacy Docs

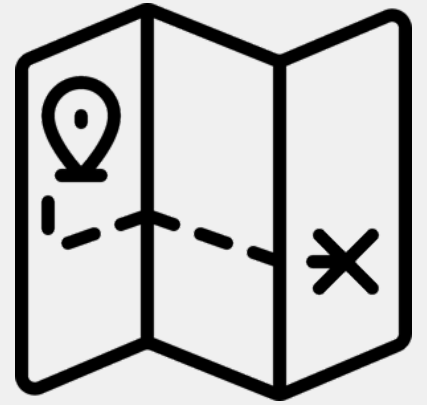
- More published use cases to assist with advocacy in particular orgs, domains
- Example access policies + procedures that incorporate remote emulation
- User and accessibility studies





On the Roadmap: Development

- Improved/more granular “Virtual Reading Room” controls
- “Universal Virtual Interactor” API for automated interaction
- Emulating networks





Thanks!

You can find me at:

- Email: ethan.gates@yale.edu
- <https://forum.eaasi.cloud>

More about EaaSI:

- <https://eaasi.info>
- [EaaS User Handbook](#)
- EaaSI resources [hosted by the Software Preservation Network](#)