

Reviving Digital Artworks through VMs

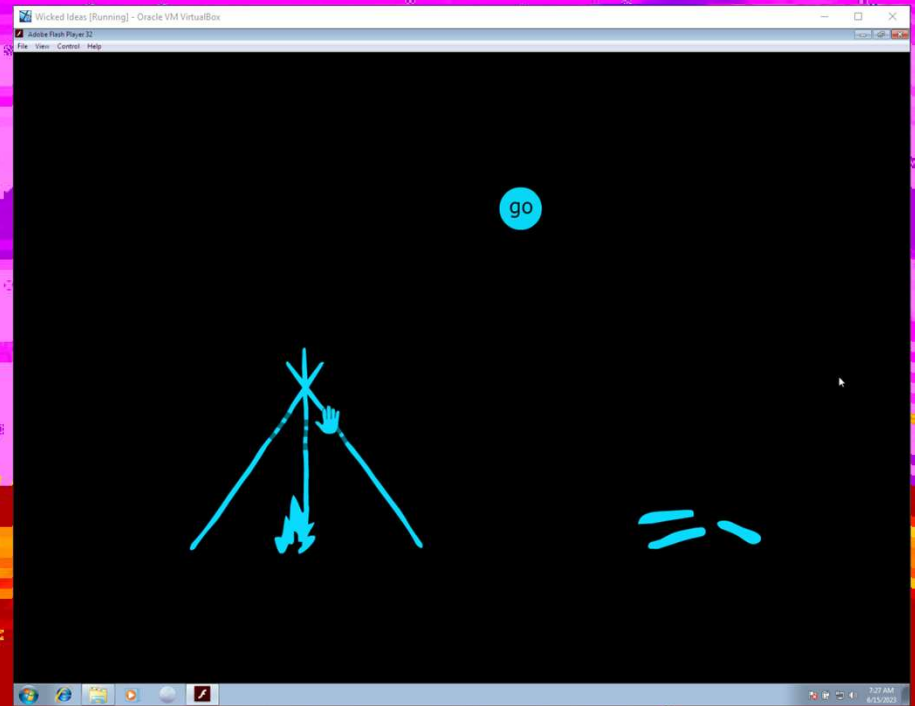
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Project Parameters

- Wicked Ideas – University-funded proof-of-concept
 - Ran in 2023
 - Revived the work <https://vancouver songlines.ca> (*nikamon ohci askiy* – songs because of the land, 2008) by Cheryl L'Hirondelle
- Emulator Library for Media Arts (ELMA)
 - Develop infrastructure and practice for preserving and interacting with computer-based artworks
 - Generate documentation and user instructions

Project Part 1: *nikamon ohci askiy*

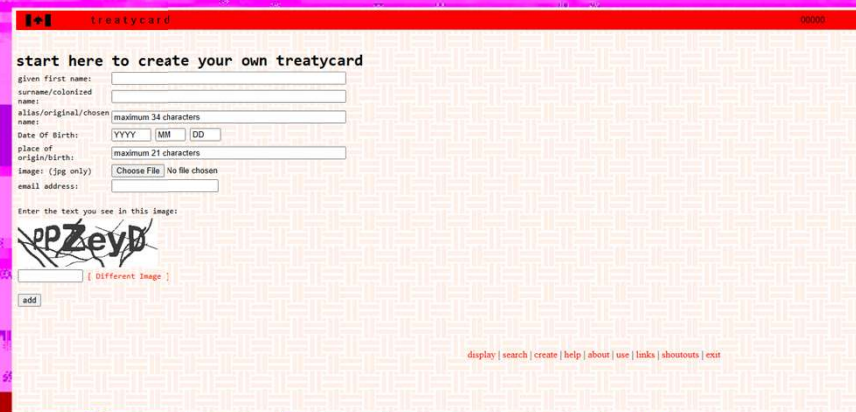
- ~~Firefox Flash emulator~~
(<https://modernkit.one>)
- ~~Windows 7 VM with Flash~~
- ~~SWF File Player~~
(<https://www.swffileplayer.com>)
- ~~Flashpoint Core~~
(<https://bluemaxima.org/flashpoint/>)
- Windows 10 - Flash Projector (partly worked)
- Windows XP or 7 - Flash Projector
 - Must be 32-bit!



Project Part 2



Horizon Zero 17: Tell - Aboriginal Storytelling (2004)



treatycard.ca (2003)



ndnspam.com (2012)

Use: Exhibition

BANFF
CENTRE FOR ARTS AND CREATIVITY

Cheryl L'Hirondelle: where the voice touches (((acts, utterances, transmissions for freedom)))



Image credit: Cheryl L'Hirondelle, *nikamon ohci askiy (songs because of the land)*, 2008. Photo: Red Works

Dates: Fri, Feb 13 - Sun, Jun 21
Location: Walter Phillips Gallery
This event is free and all are welcome.

Walter Phillips Gallery is open
Wednesday - Sunday | 12:30 PM - 5 PM



Virtual Machine Instructions for Walter Phillips Gallery

ndnspam

Hardware

1. Mac mini
2. Mouse
3. Monitor – 10:16 ratio
4. Speakers

Instructions

Start-up

1. Start VirtualBox 
2. Click on **ndnspam** virtual machine (VM) and click Start
 - a. **FIX:** There is no need to log into the VM
 - b. **NOTE:** If the machine is stuck at the boot screen, hit Enter when you see **Ubuntu, with Linux 3.0 ...**
3. Minimize the windows for both VirtualBox and the VM
4. Open Safari. This is set to open ndnspam automatically (located at <http://192.168.56.2>)
 - a. Click View > Full Screen or fn F

Issues

1. After clicking on a link to a recipe in Recipes, the page flip forward will show a blank page and freeze.
 - a. **FIX:** Click Back to return to the recipes list. Page flip forward only works from the recipes menu or if a user flips backwards first.
2. If a user tries to enter their contact information in the Contact page, the submit button will display an error message.
 - a. **FIX:** Click on any link at the top to navigate away from the page

Shutdown

1. Click Esc to reduce the window. Close Safari
2. Expand the minimized ndnspam VM window. Click on the red x in the top-left corner. Select "Power off the machine" and click OK
3. Quit VirtualBox

Use: Support for Artists

- Produce generic Virtual Machines for different technologies + extensive documentation
- Training for artists and small galleries
- Possible method for selling net.art works

Issues

- Obsolescence
 - Source files and media
 - Virtualized solutions
- Lost expertise
- Sustained funding
- Software licensing and rights

Resources

- Futures of Digital Media Histories - <http://bit.ly/4kfsivr>
- Cheryl L'Hirondelle - <https://www.cheryllhirondelle.com/>
- li-ma - <https://li-ma.nl/>
- Rhizome - <https://rhizome.org/>
- DOCAM - <https://www.docam.ca/>
- Ruffle.rs - <https://ruffle.rs/>



Thanks for Listening!

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