

# Hello World.

My name is Ben Fino-Radin

**Day Job: Associate Media Conservator at MoMA**

**Other day job: Adjunct Professor at NYU MIAP**

**Free time: Digital preservation consultant**

**@benfinoradin**

**[bfinoradin@gmail.com](mailto:bfinoradin@gmail.com)**

**[www.benfinoradin.info](http://www.benfinoradin.info)**

# Digital Preservation for Artists

# Why is this hard?

- Money
- Time
- Technical know how

# A basic guide for getting started...

# Step 1: know what you have

# Intellectual control

---

# Step 2: project your growth

# Step 2: project your growth

	2015	2016	2017	2018	2019	2020
<b>New data this year</b>		1.5	2	2.5	3	3.5
<b>Total</b>	7	8.5	10.5	13	16	19.5
<b>Annual new data (TB)</b>	1					
<b>Growth rate / inflation</b>	0.5					

# What we know now...

1. How much storage you need immediately
2. How much storage you may need in 5 years

# The essential goals

- Establish intellectual control
- Centralize your assets
- Distribute redundantly
- Establish bit preservation

# Step 3: Centralization

- Can it accommodate your 5yr growth?
- Redundancy?

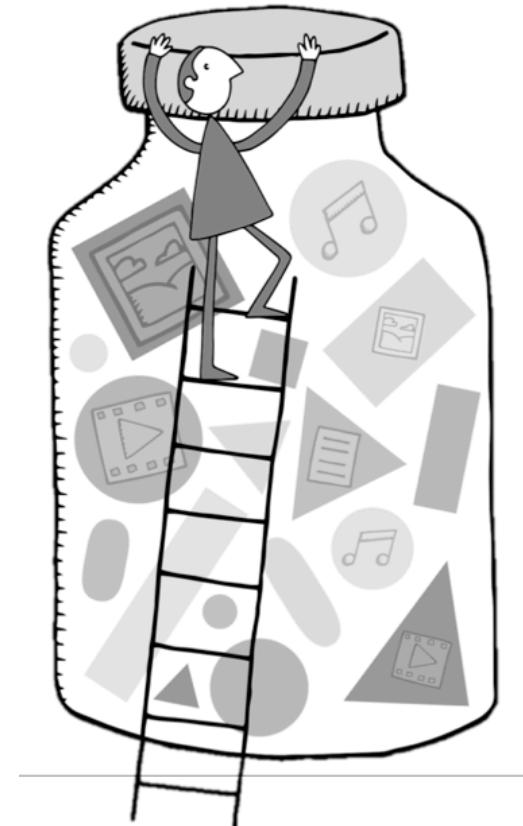
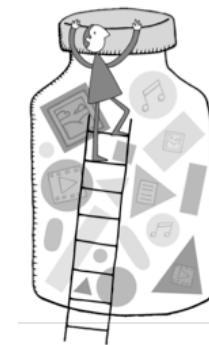


# For example...

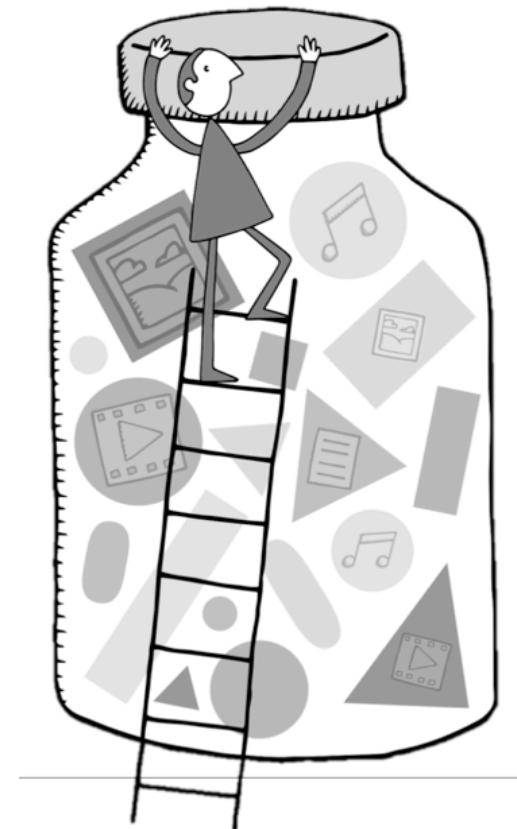
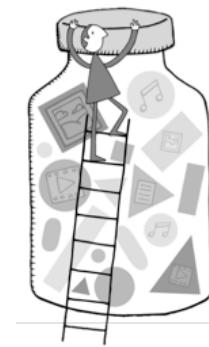
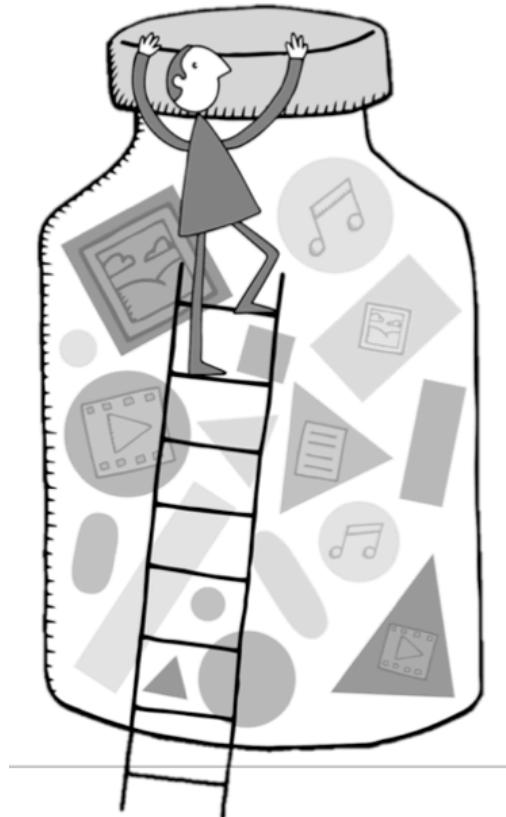
- Prosumer level  
RAIDs



# Step 4: Redundancy



# Step 5: Bit preservation



# Again: the essential goals

- Establish intellectual control
- Centralize your assets
- Distribute redundantly
- Establish bit preservation

# Let's apply this to a case-study



Cory  
Arcangel

# Intellectual control



**Identifier:** CA.2002.05  
**Title:** Super Mario Clouds  
**Artist:** Cory Arcangel  
**Created date:** 2002  
**Medium:** Modded Super Mario Brothers cartridge



**CA.2002.05**

\* Hypothetical example – not the actual naming convention



# Case study: Cory Arcangel

- Establish intellectual control
- Centralize your assets
- Distribute redundantly
- Establish bit preservation

# Cory's functional requirements

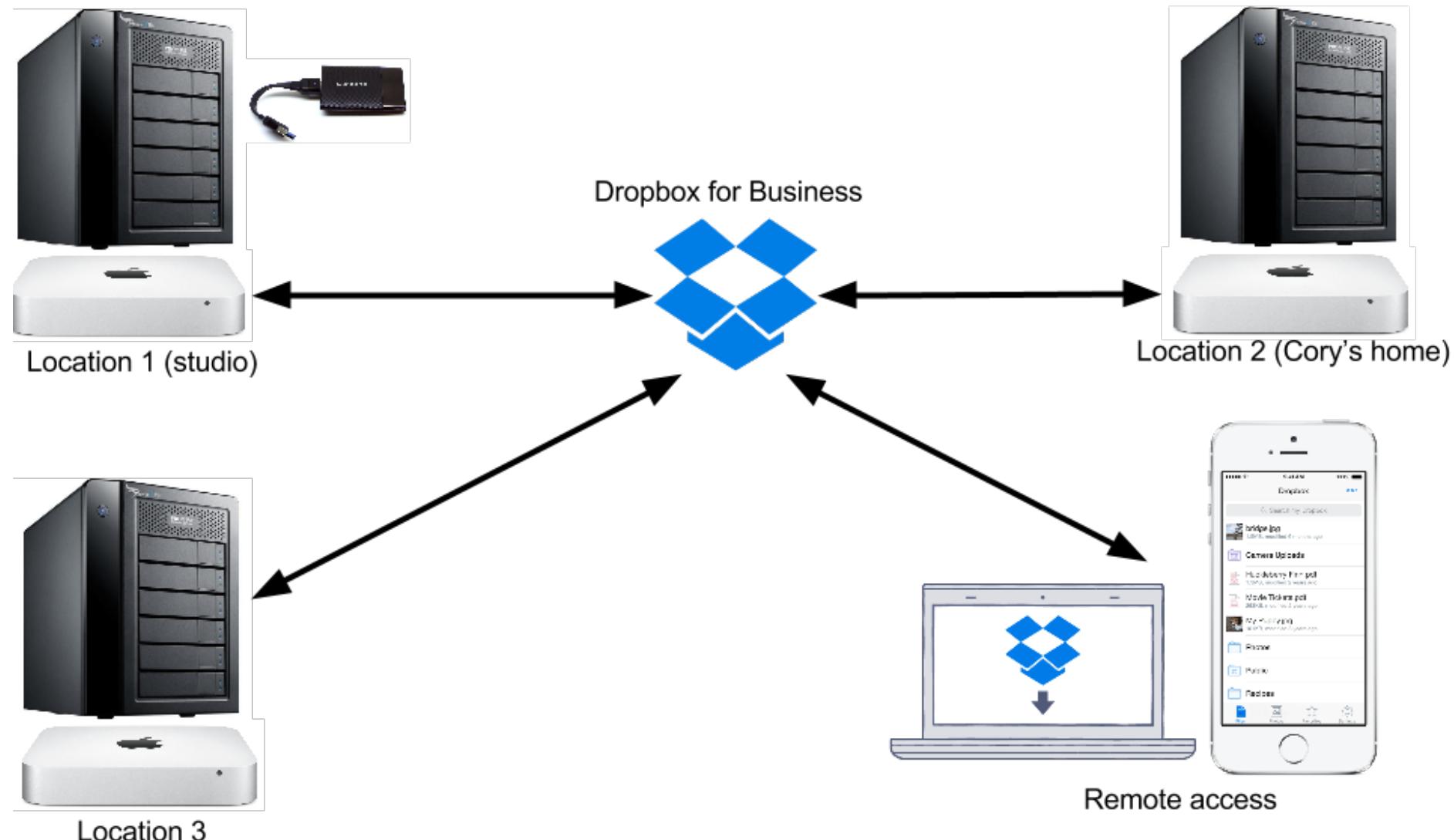
- Easy to use and maintain**
- x3 geographically redundant copies**
- Effective remote access.**
- System design should last 5 years**

# Cory's data profile

---

Year	2015	2016	2017	2018	2019	2020
<b>New data from this year</b>		2	3	3	4	4
<b>Total size of archive</b>	6	8	11	14	18	22

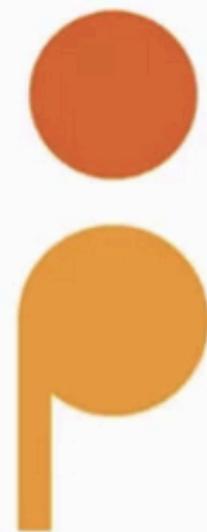
# Proposed system design



# Case study: Cory Arcangel

- Establish intellectual control
- Centralize your assets
- Distribute redundantly
- Establish bit preservation

# Bit Preservation



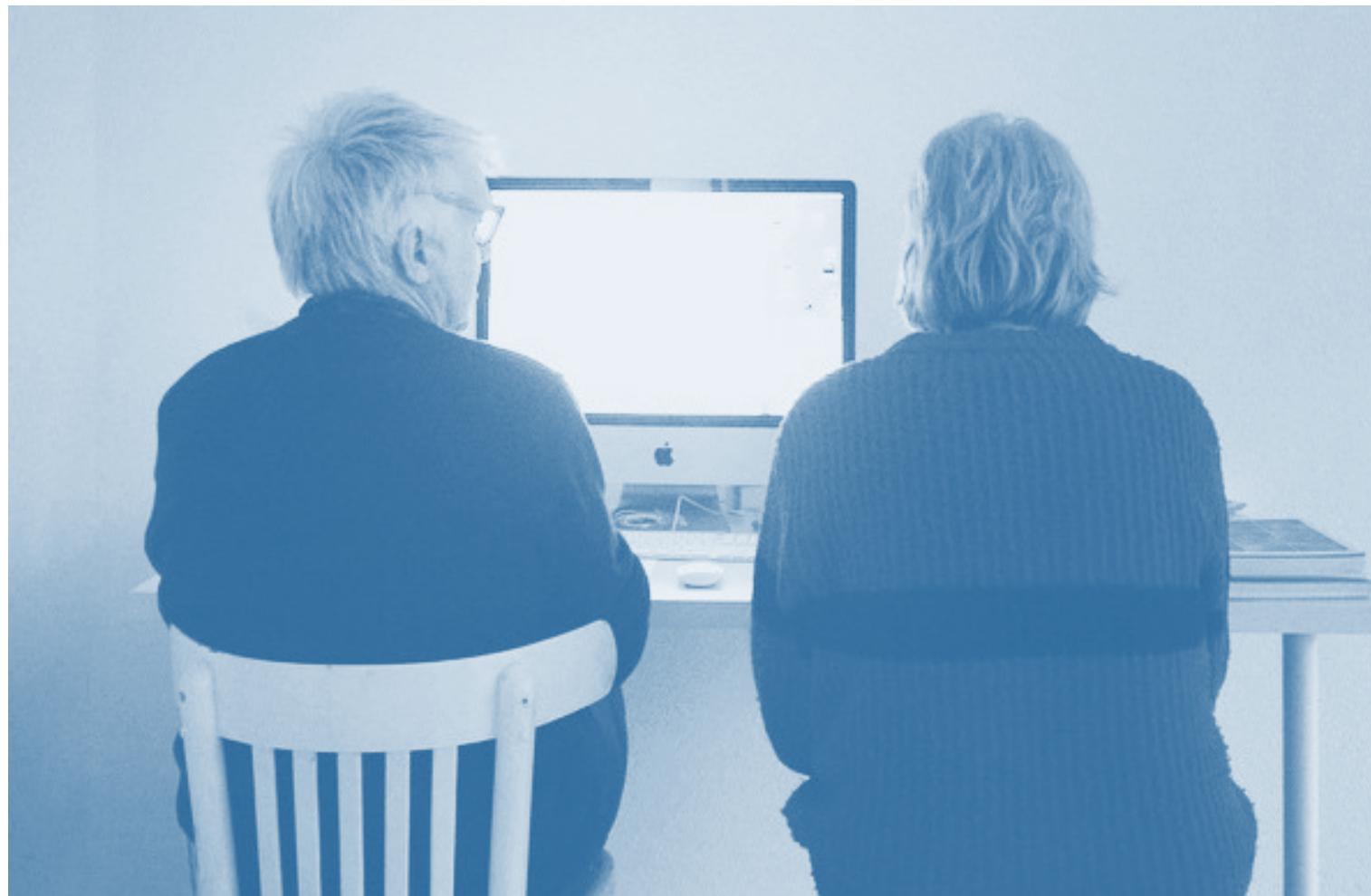
**FIXITY**  
by **AVPreserve**

# Case study: Cory Arcangel

- Establish intellectual control
- Centralize your assets
- Distribute redundantly
- Establish bit preservation

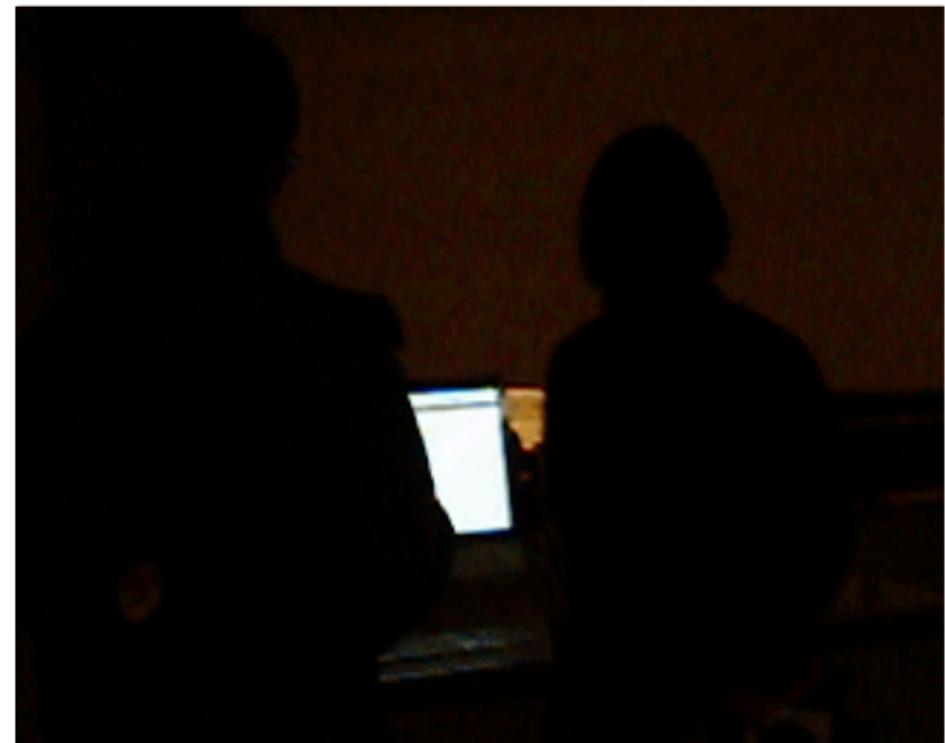
# JODI: Public Access

---



# JODI: intellectual control

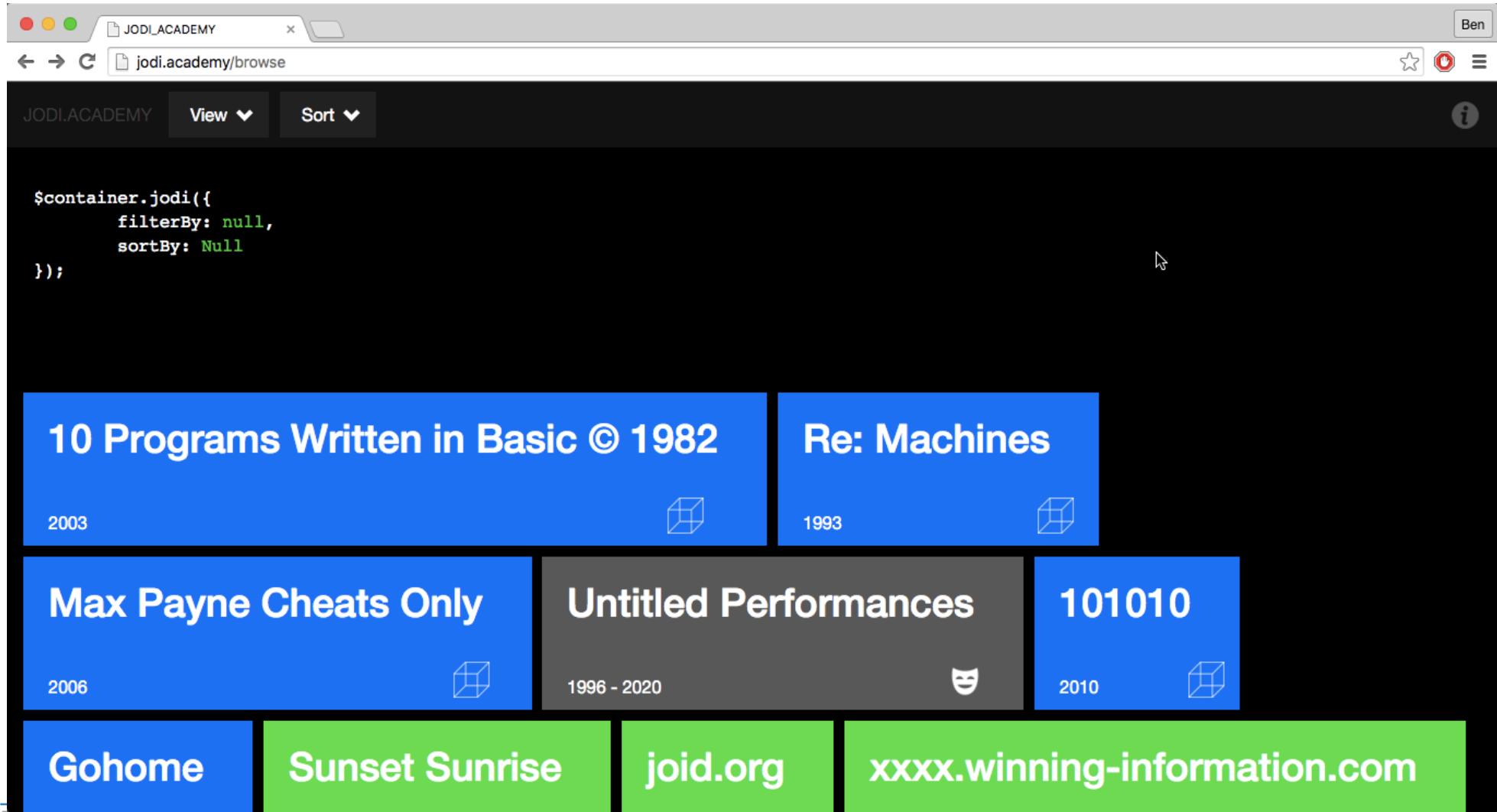
_underconstruction	3_ephemera	5-audioswap5-a.jpg
-aboutjodi	4_artwork	5-audioswap5-d.png
10_programs---JODI.00049	5_exhibition	010-audioswap5-a.jpg
404.jodi.or...ODI.00002	6_performance	2009audioswap5-d.jpg
101010---JODI.00066	7_press	414659549...8953_b.jpg
Action-Flic...ODI.00067	8_publication	414659549...83ca_o.jpg
air---JODI.00042		416695084...fc4e_o.jpg
AllWrongs...JODI.00010		audioswap...beam 2.jpg
ALRTID---JODI.00012		audioswap5-a.jpg
asdfg.jodi...ODI.00003		audioswap5-b.jpg
audioswap...ODI.00038		CIMG0208.JPG
autoroute---JODI.00048		da323fc4e_o.jpg
b_loon---JODI.00025		JODI_audi...Art-Institute
bbedit-RE...JODI.00051		P1010019.MOV
blogspot.j...JODI.00025		P1010020.MOV
bluecloud---JODI.00060		P1010021.MOV
CityFonts---JODI.00062		
composite...ODI.00020		
computing...ODI.00068		
emails---JODI.00055		
folksomy---JODI.00035		
g33con---JODI.00029		
geogeo---JODI.00022		
geogoo---JODI.00023		
gohome---JODI.00069		
goo2009sk...ODI.00027		
history_of...ODI.00075		
Info Park---JODI.00063		
installexe---JODI.00070		
IRC---JODI.00052		
jetsetwilly---JODI.00017		
joid.org---JODI.00043		
led-folding---JODI.00074		



P1010021.MOV

QuickTime movie - 10.8 MB  
Created Saturday, January 1, 2005 at 12:00 AM  
Modified Saturday, January 1, 2005 at 12:00 AM  
Last opened Saturday, January 1, 2005 at 12:00 AM

# JODI: Public Access



The screenshot shows a web browser window for the JODI.ACADEMY website. The title bar reads "JODI.ACADEMY" and the address bar shows "jodi.academy/browse". The interface has a dark theme with a top navigation bar featuring "View" and "Sort" dropdowns and an "info" icon. Below this, a code snippet is displayed:

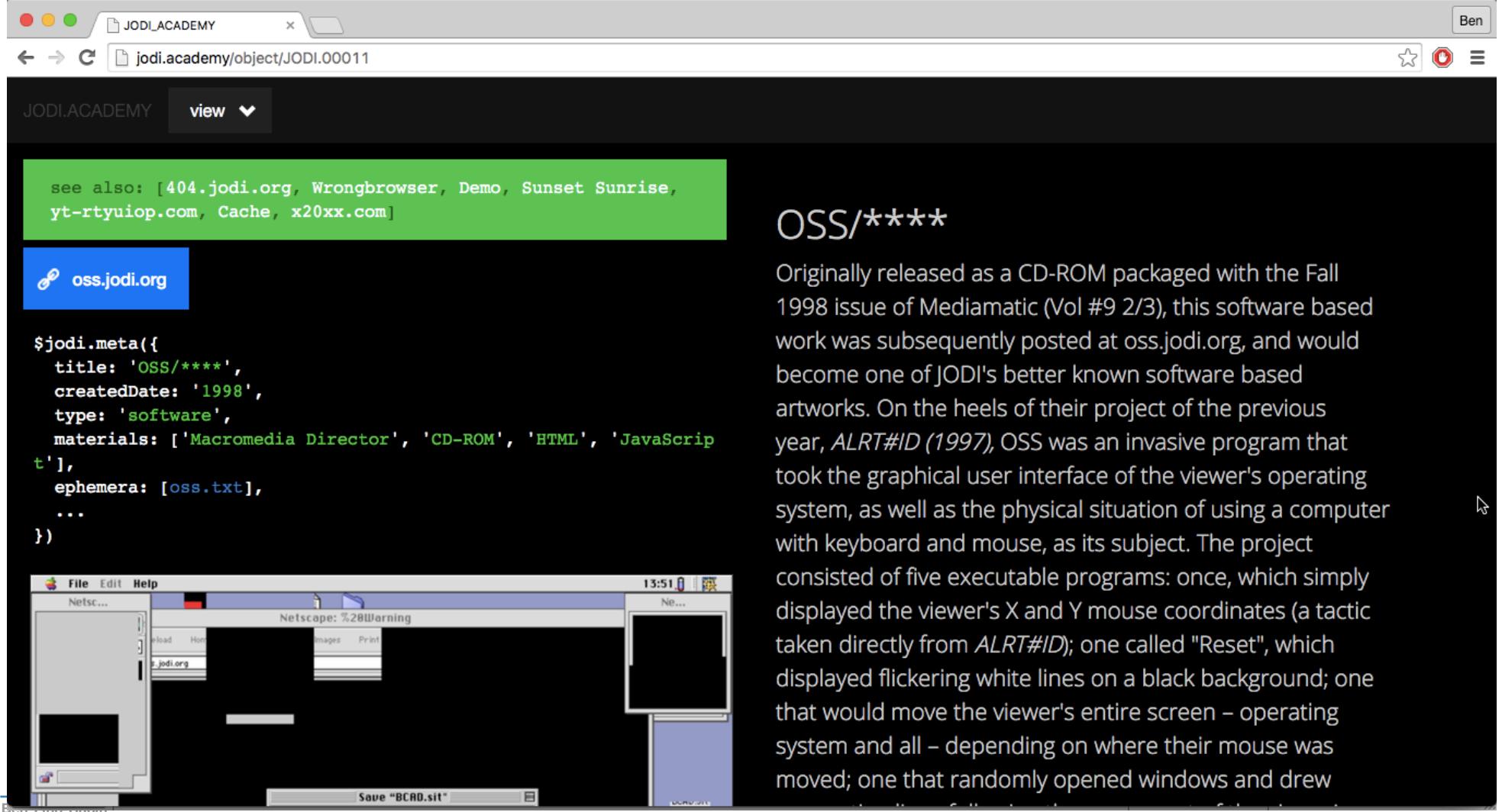
```
$container.jodi({  
    filterBy: null,  
    sortBy: Null  
});
```

The main content area displays a grid of artworks:

- 10 Programs Written in Basic © 1982** (2003) - A blue box with a white cube icon.
- Re: Machines** (1993) - A blue box with a white cube icon.
- Max Payne Cheats Only** (2006) - A blue box with a white cube icon.
- Untitled Performances** (1996 - 2020) - A grey box with a white mask icon.
- 101010** (2010) - A blue box with a white cube icon.

At the bottom, there are four green buttons: "Gohome", "Sunset Sunrise", "joid.org", and "xxxx.winning-information.com". The footer contains the text "Ben Fino-Radin".

# JODI: Public Access



see also: [404.jodi.org, Wrongbrowser, Demo, Sunset Sunrise, yt-rtysiop.com, Cache, x20xx.com]

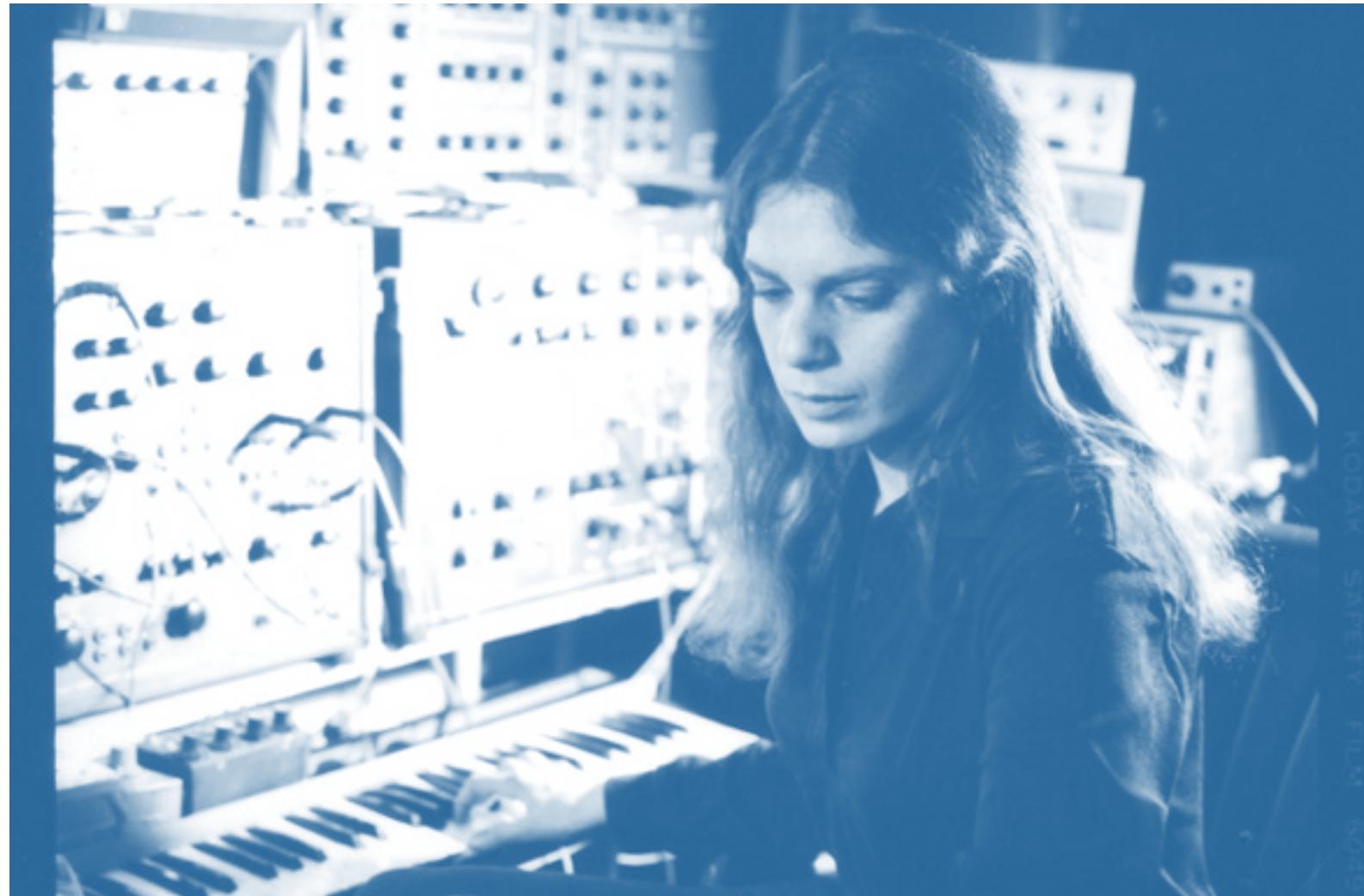
[oss.jodi.org](http://oss.jodi.org)

```
$jodi.meta({
  title: 'OSS/****',
  createdDate: '1998',
  type: 'software',
  materials: ['Macromedia Director', 'CD-ROM', 'HTML', 'JavaScript'],
  ephemera: [oss.txt],
  ...
})
```

**OSS/\*\*\*\***

Originally released as a CD-ROM packaged with the Fall 1998 issue of *Mediamatic* (Vol #9 2/3), this software based work was subsequently posted at [oss.jodi.org](http://oss.jodi.org), and would become one of JODI's better known software based artworks. On the heels of their project of the previous year, *ALRT#ID* (1997), OSS was an invasive program that took the graphical user interface of the viewer's operating system, as well as the physical situation of using a computer with keyboard and mouse, as its subject. The project consisted of five executable programs: once, which simply displayed the viewer's X and Y mouse coordinates (a tactic taken directly from *ALRT#ID*); one called "Reset", which displayed flickering white lines on a black background; one that would move the viewer's entire screen – operating system and all – depending on where their mouse was moved; one that randomly opened windows and drew

# Laurie Spiegel: risk assessment



# Tying it all back together

- Establish intellectual control
- Centralize your assets
- Distribute redundantly
- Establish bit preservation
- Continual re-assessment

Thank you.

**@benfinoradin**  
**bfinoradin@gmail.com**  
**www.benfinoradin.info**