

Hello World.

My name is Ben Fino-Radin

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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
New data this year		1.5	2	2.5	3	3.5
Total	7	8.5	10.5	13	16	19.5
Annual new data (TB)	1					
Growth rate / inflation	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

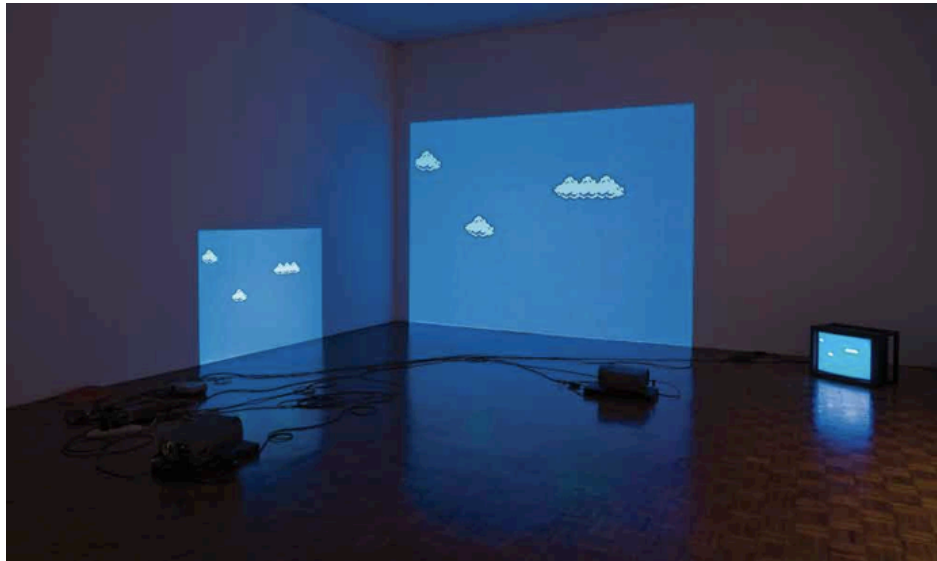
- ☐ Establish intellectual control
- ☐ Centralize your assets
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Let's apply this to a case-study



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

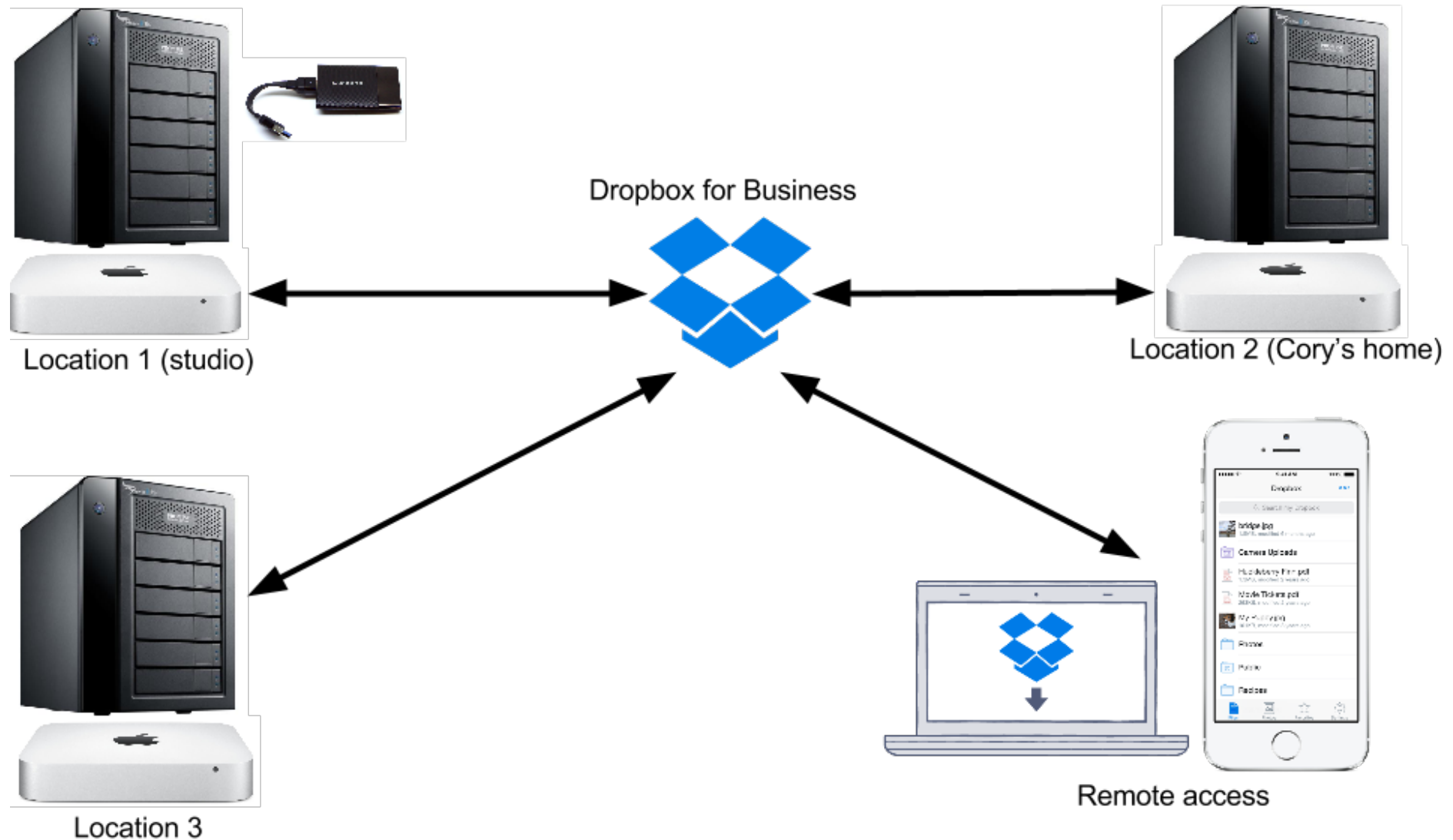
Cory's functional requirements

- ☐ 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
New data from this year		2	3	3	4	4
Total size of archive	6	8	11	14	18	22

Proposed system design



Case study: Cory Arcangel

- ☒ Establish intellectual control
- ☒ Centralize your assets
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- ☐ Establish bit preservation

Bit Preservation



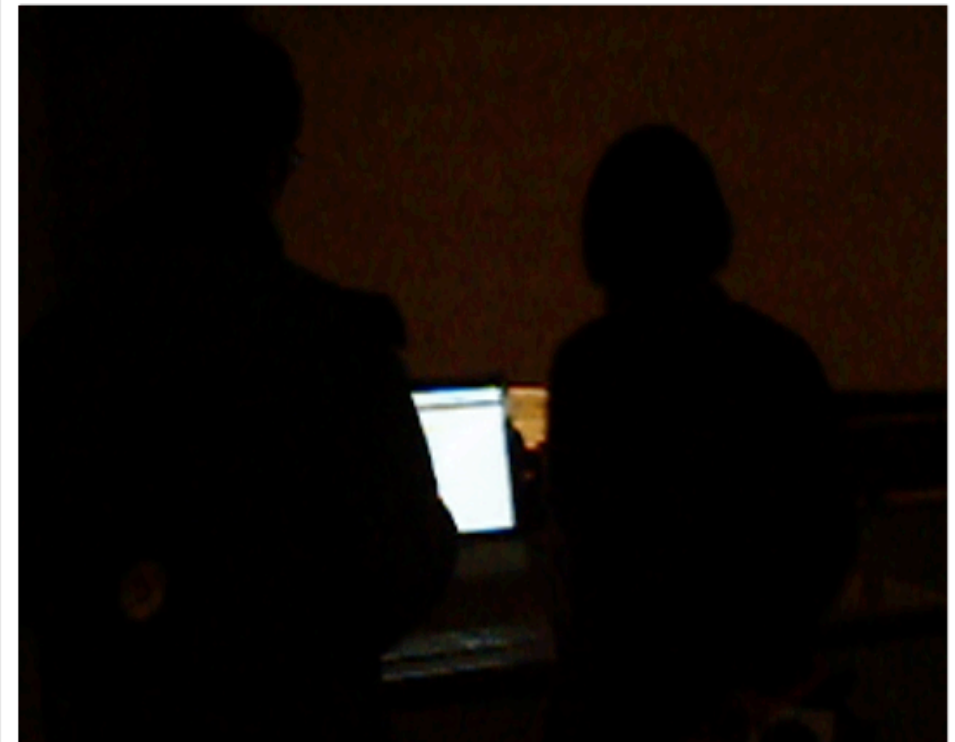
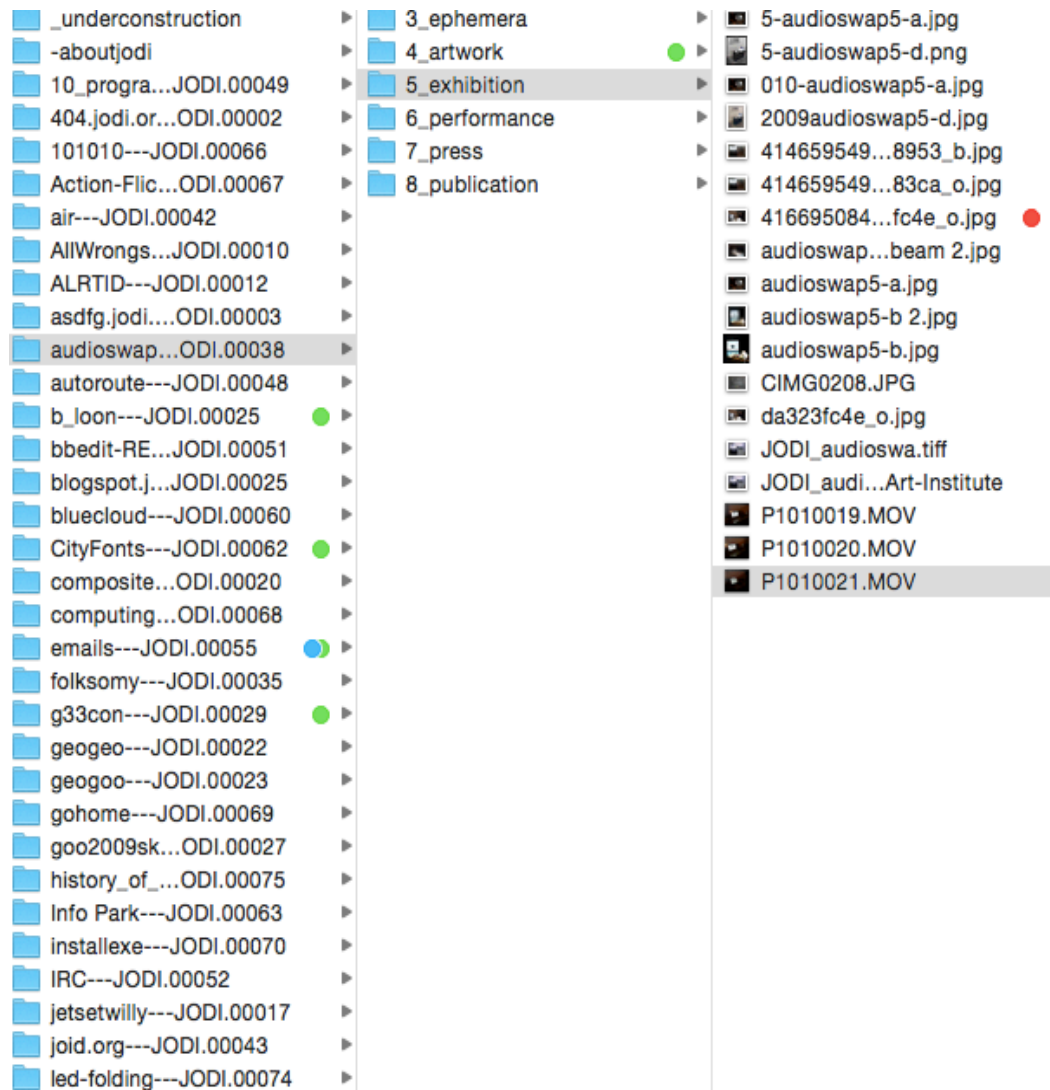
Case study: Cory Arcangel

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

JODI: Public Access



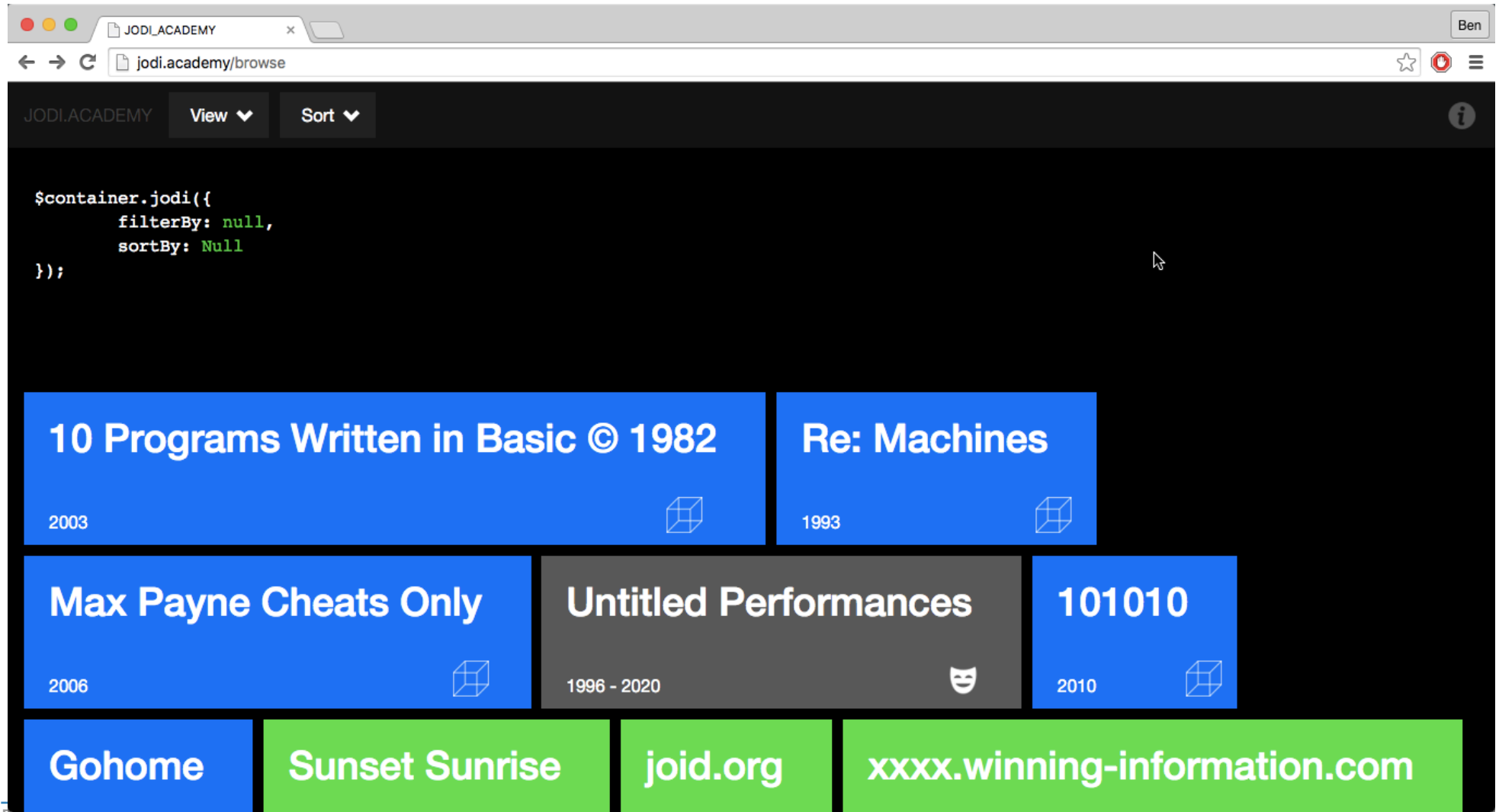
JODI: intellectual control



P1010021.MOV

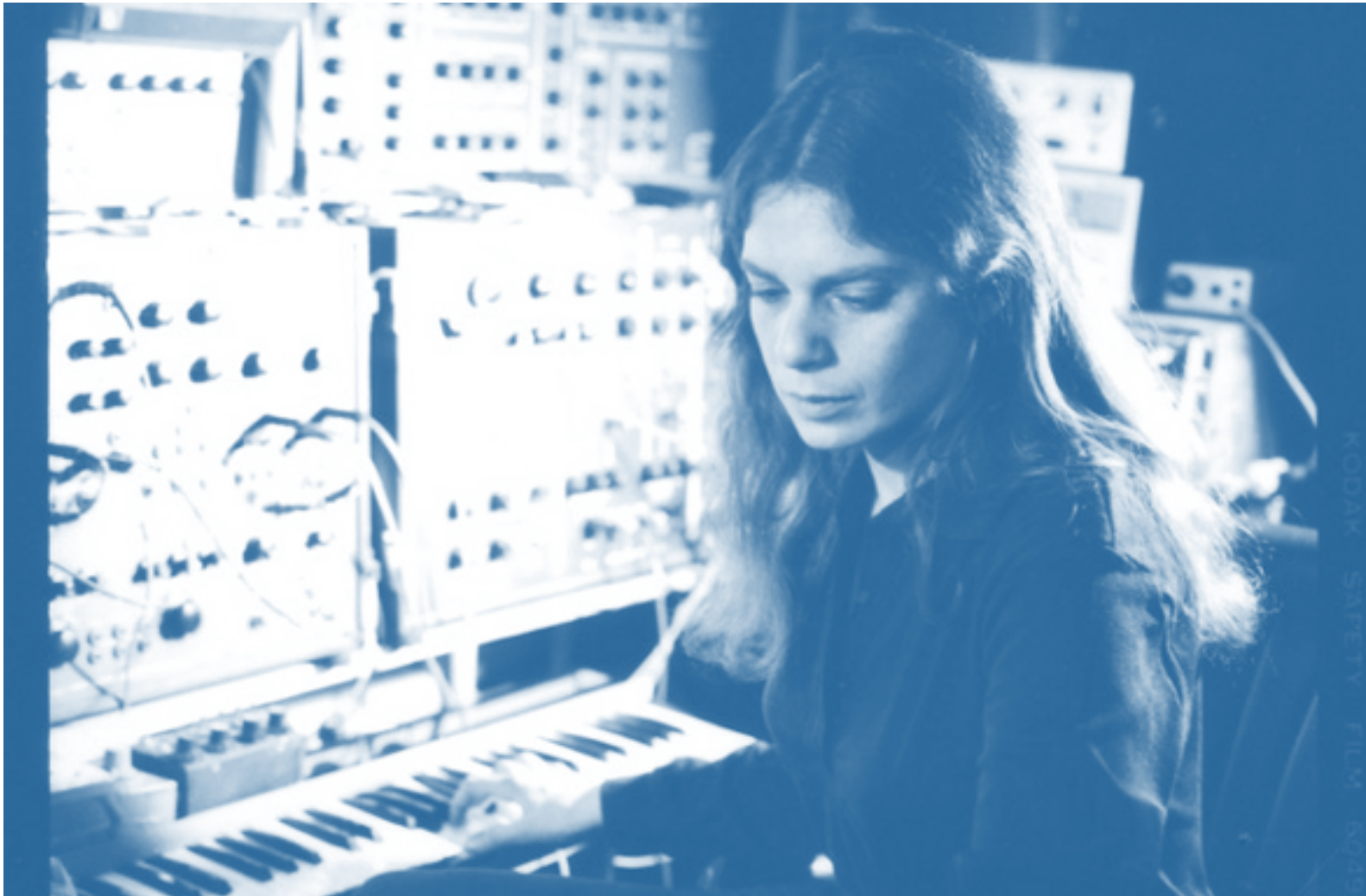
QuickTime movie - 10.8 MB
Created Saturday, January 1, 2005 at 12:00 AM
Modified Saturday, January 1, 2005 at 12:00 AM
Last opened Saturday, January 1, 2005 at 12:00 AM

JODI: Public Access





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.

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