Digital Migration

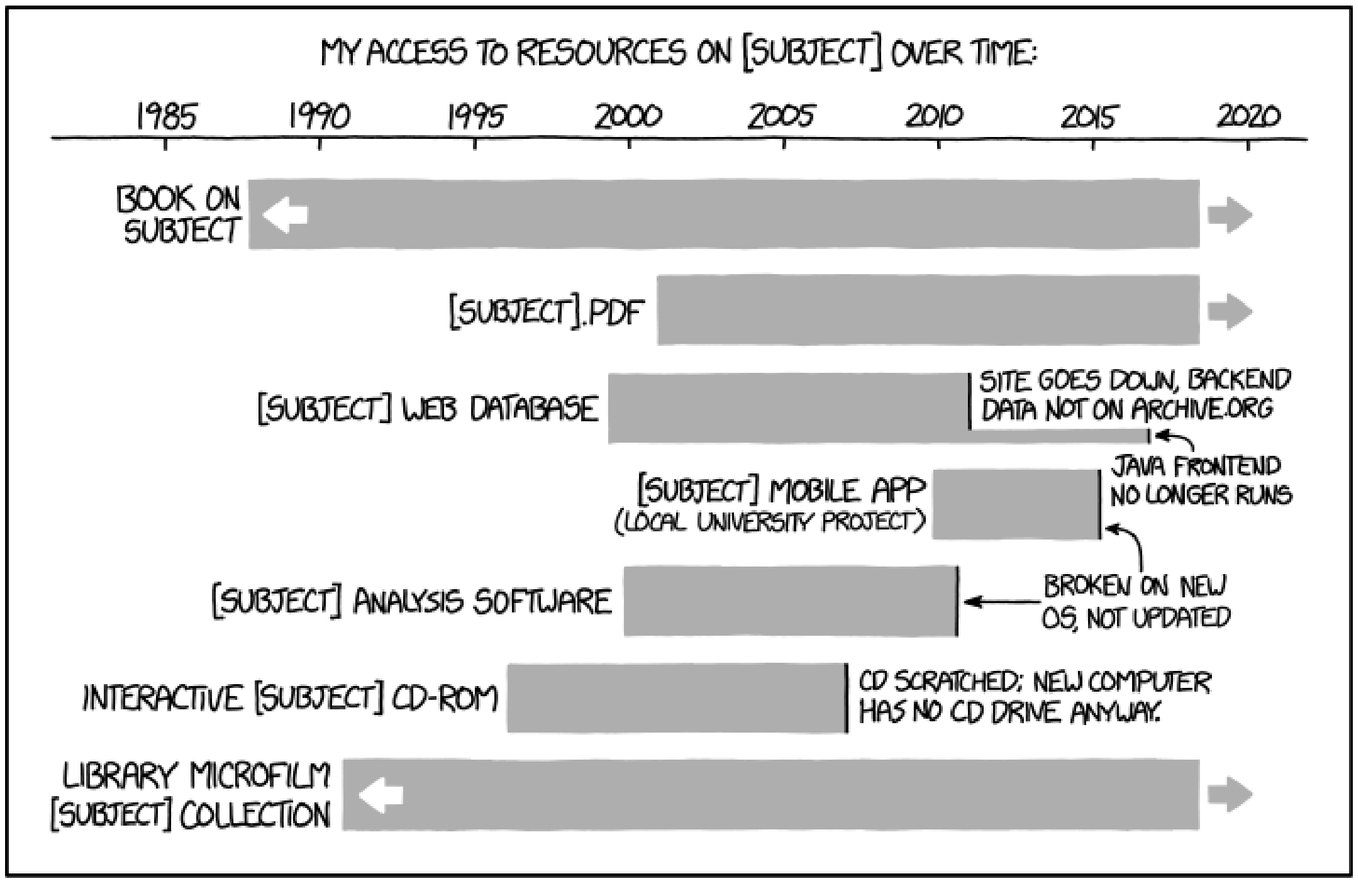
Speaker notes

No notes on this slide.

Speaker notes

No notes on this slide.

Migration

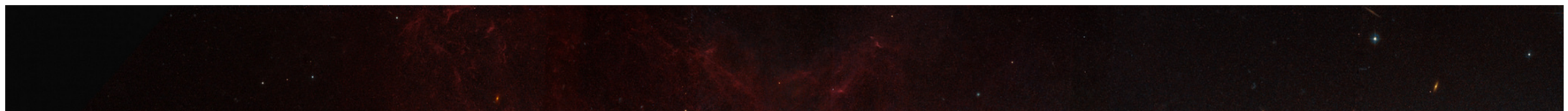


IT'S UNSETTLING TO REALIZE HOW QUICKLY DIGITAL RESOURCES CAN DISAPPEAR WITHOUT ONGOING WORK TO MAINTAIN THEM.

Speaker notes

No notes on this slide.

How long?



Speaker notes

No notes on this slide.

Eternal Migration

- There is no final carrier.
- There is no evergreen format.

Therefore fact: Any data must sooner or later be migrated.

Speaker notes

No notes on this slide.

Migration Types

- Storage
- Format
- Software / platform / environment

Speaker notes

No notes on this slide.

Migration Types

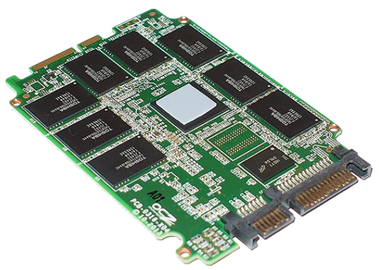
Or more generically speaking:

- Hardware
- Software
- File

Speaker notes

No notes on this slide.

Device Media

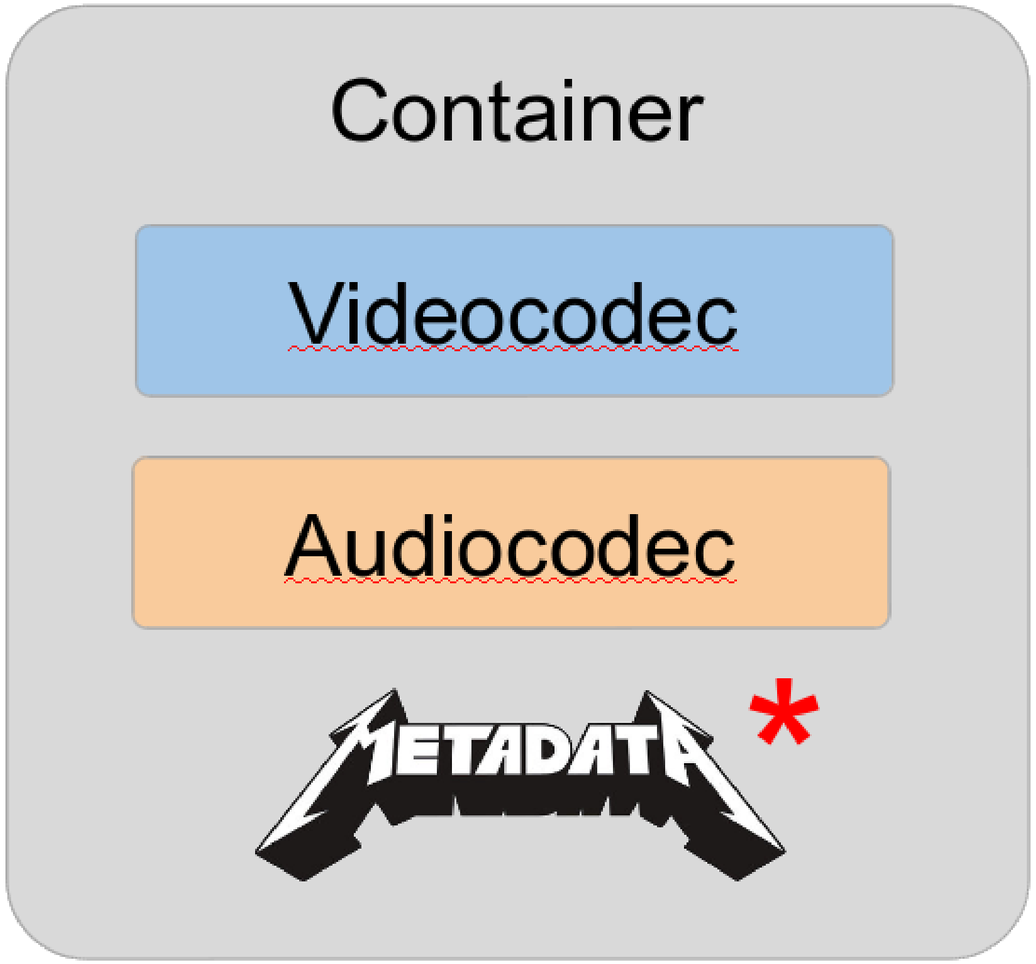


…or other media types (holograms, DNA, etc)

Speaker notes

No notes on this slide.

Data Format(s)



Speaker notes

Not all files may include non-AV data. But most do.

Depending on what data that is, it may involve different formats. Even if just plain text descriptive metadata: What about encoding?

Speaker notes

No notes on this slide.

Device Format Migration

1. Plan your migration
2. Copy the data
3. Check integrity of copy
4. Cross your fingers…

Speaker notes

If everything was planned and executed well, there should be no major issues. However, don’t be surprised to encounter some (hopefully little) things that you either haven’t anticipated, or simply couldn’t have expected or known in the first place.

That should be the exception though - not the rule ;)

Migration Planning

- Consider which changes are needed.
- Evaluate when, how and who.
- Make sure you have a valid backup.
- Schedule possible downtime (and impact on work).
- Impact on IT-administration/access?
- Estimated duration until migration is finished?

Speaker notes

No notes on this slide.

Software / platform / environment

Might require:

- Data format migration
- Reorganizing file structure (relocate, rename)
- Change of physical equipment
- Testing to avoid regressions
- etc.

Speaker notes

No notes on this slide.

Things can happen…

- Silent regression
- Unseen (meta)data changes
- Domino-effect: Forced updates of other things
  I’m loving it! ®
- etc.

Speaker notes

No notes on this slide.

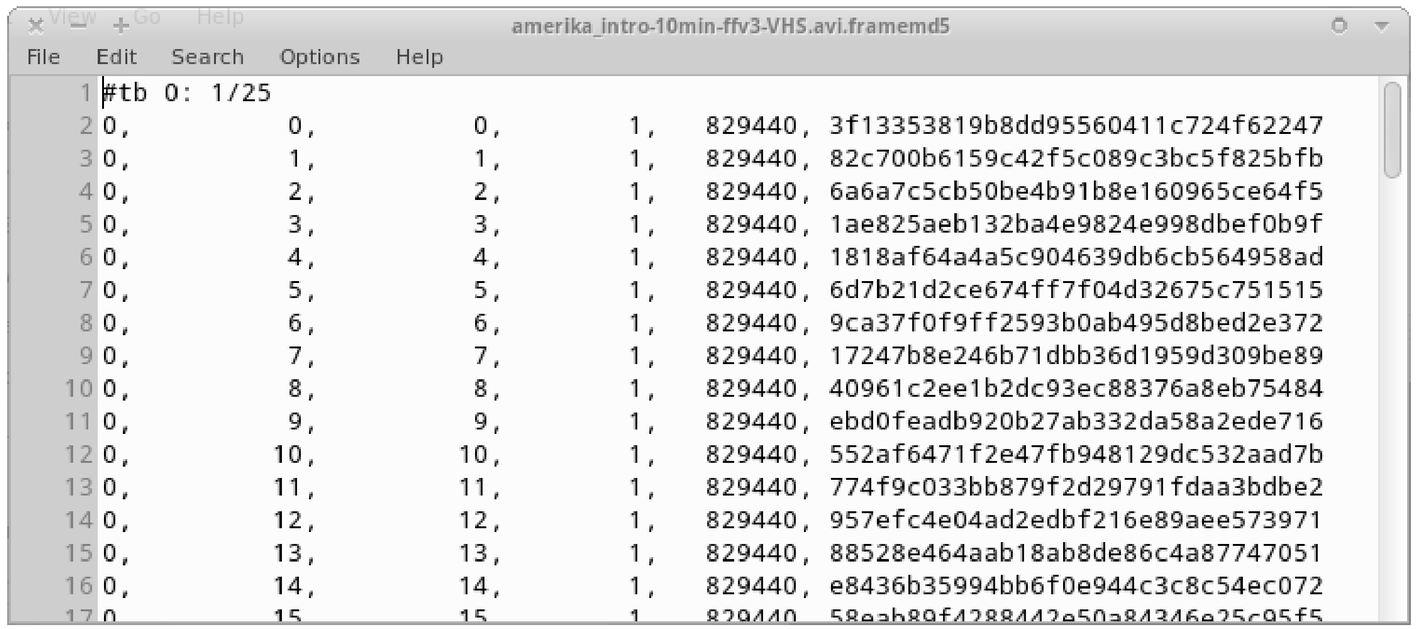
Media Format Migration

How to check integrity of format/codec migration?

Speaker notes

No notes on this slide.

FrameMD5



Speaker notes

FrameCRC/FrameMD5: One CRC/MD5 hashcode for each frame - or group of audio samples.

Eternal Migration

> *“After migration is before migration”*

- Embrace the concept of “Eternal migration”
- Try considering how to get out of a technology before, or while you’re using it.
- Find *your* timing sweet spot

Speaker notes

Sounds live a neverending chore, but it’s like brushing your teeth or washing yourself: If you integrate it in your daily routine, it’s not a big thing at all. And once you’ve done a few migrations of “whatever”, you’ll get the hang of it.

Obsolescence monitoring

- So, when *is* a good time to migrate?
- What could happen if you wait too long?
- Which vital components might become obsolete?

Speaker notes

Have someone in house that keeps an eye on technology news, and please: Speak and exchange yourself with peers in the community!

Don’t listen too much to broadcast/production regarding preservation. (unless you’re in that business)

Migration Summary

- Keep “Eternal Migration” in mind
- Consider migrations *before* you buy
- Migration + integrity checks = BFF
- Ask for documentation!
- Archive the sourcecode / schematics
- Monitor technology news
- Don’t wait too long…

Speaker notes

No notes on this slide.

Questions?

Comments?

Speaker notes

No notes on this slide.