Avid 5 Ideas

* Create trivial .Net Core 6 ASP.Net app and deploy/test on Linux VM (as POC).
* Move Zoom functionality to JRMC.
* Move DVBViewer/server functionality to JRMC.
  + Need XMLTV EPG data feed.
* Port Avid to .Net core 6 (for LTS).
* Use VMWare for initial Linux testing (probably no TV card support).
* Use Ubuntu (?) for Linux.
* Keep old desktop PC for real (HW) Linux testing with TV card.
* Does it need any AvidDesktop functionality at all?
  + No multiple apps (all JRMC).
  + No mouse needed (use Remote Mouse?).
  + Only thing needed is to turn on/off TV with CEC.
* Test Spotify on Linux.
  + Will need to get Spotify auth protocol working yet again!

Stages:

1. Get JRMC 31 working for TV and Video using HDHomeRun.
   1. Get library hierarchy and data model right.
   2. Make sure that EPG and recordings all work fine.
2. Move Avid Video and TV capability into JRMC (in new Avid4J, copied from Avid4G).
   1. Use .Net Framework 4.8 (last version – should “just work”).
   2. At the same time throw away all unused functionality and ditch Avid.Desktop service.
   3. And replace obvious platform dependencies (e.g. File paths, Registry) with platform-independent alternatives, reworking Config class.
   4. Add Spotify web login UI to spanner menu.
   5. Create separate CEC switch program
3. Port Avid4J to new Avid5 using .Net Core 6 on Windows.
   1. Start from a trivial web app.
   2. Then add and test classes, controllers, views, scripts resources incrementally.
4. Build Avid5 for Linux and deploy to Avid hardware running Linux instead of Windows.
   1. Kestrel host for Avid.Net and nginx for reverse proxy for external access.
5. Test, test, test!