import xbmc, xbmcgui, xbmcaddon, xbmcplugin, re

import urllib, urllib2

import re, string

import threading

import os

import base64

#from t0mm0.common.addon import Addon

#from t0mm0.common.net import Net

import urlparse

import xbmcplugin

import cookielib

\_\_addon\_\_ = xbmcaddon.Addon()

\_\_addonname\_\_ = \_\_addon\_\_.getAddonInfo('name')

\_\_icon\_\_ = \_\_addon\_\_.getAddonInfo('icon')

addon\_id = 'plugin.video.f4mTester'

selfAddon = xbmcaddon.Addon(id=addon\_id)

#addon = Addon('plugin.video.f4mTester', sys.argv)

#net = Net()

mode =None

play=False

#play = addon.queries.get('play', None)

paramstring=sys.argv[2]

#url = addon.queries.get('playurl', None)

print paramstring

name=''

proxy\_string=None

proxy\_use\_chunks=True

auth\_string=''

streamtype='HDS'

setResolved=False

if paramstring:

paramstring="".join(paramstring[1:])

params=urlparse.parse\_qs(paramstring)

url = params['url'][0]

try:

name = params['name'][0]

except:pass

try:

proxy\_string = params['proxy'][0]

except:pass

try:

auth\_string = params['auth'][0]

except:pass

print 'auth\_string',auth\_string

try:

streamtype = params['streamtype'][0]

except:pass

print 'streamtype',streamtype

swf=None

try:

swf = params['swf'][0]

except:pass

callbackpath=""

try:

callbackpath = params['callbackpath'][0]

except:pass

iconImage=""

try:

iconImage = params['iconImage'][0]

except:pass

callbackparam=""

try:

callbackparam = params['callbackparam'][0]

except:pass

try:

proxy\_use\_chunks\_temp = params['proxy\_for\_chunks'][0]

import json

proxy\_use\_chunks=json.loads(proxy\_use\_chunks\_temp)

except:pass

simpleDownloader=False

try:

simpleDownloader\_temp = params['simpledownloader'][0]

import json

simpleDownloader=json.loads(simpleDownloader\_temp)

except:pass

mode='play'

try:

mode = params['mode'][0]

except: pass

maxbitrate=0

try:

maxbitrate = int(params['maxbitrate'][0])

except: pass

play=True

try:

setResolved = params['setresolved'][0]

import json

setResolved=json.loads(setResolved)

except:setResolved=False

def playF4mLink(url,name,proxy=None,use\_proxy\_for\_chunks=False,auth\_string=None,streamtype='HDS',setResolved=False,swf="", callbackpath="", callbackparam="",iconImage=""):

from F4mProxy import f4mProxyHelper

player=f4mProxyHelper()

#progress = xbmcgui.DialogProgress()

#progress.create('Starting local proxy')

if setResolved:

urltoplay,item=player.playF4mLink(url, name, proxy, use\_proxy\_for\_chunks,maxbitrate,simpleDownloader,auth\_string,streamtype,setResolved,swf,callbackpath, callbackparam,iconImage)

item.setProperty("IsPlayable", "true")

xbmcplugin.setResolvedUrl(int(sys.argv[1]), True, item)

else:

xbmcplugin.endOfDirectory(int(sys.argv[1]), cacheToDisc=False)

player.playF4mLink(url, name, proxy, use\_proxy\_for\_chunks,maxbitrate,simpleDownloader,auth\_string,streamtype,setResolved,swf,callbackpath, callbackparam,iconImage)

return

def getUrl(url, cookieJar=None,post=None,referer=None,isJsonPost=False, acceptsession=None):

cookie\_handler = urllib2.HTTPCookieProcessor(cookieJar)

opener = urllib2.build\_opener(cookie\_handler, urllib2.HTTPBasicAuthHandler(), urllib2.HTTPHandler())

#opener = urllib2.install\_opener(opener)

req = urllib2.Request(url)

req.add\_header('User-Agent','Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/33.0.1750.154 Safari/537.36')

if isJsonPost:

req.add\_header('Content-Type','application/json')

if acceptsession:

req.add\_header('Accept-Session',acceptsession)

if referer:

req.add\_header('Referer',referer)

response = opener.open(req,post,timeout=30)

link=response.read()

response.close()

return link;

def getBBCUrl(urlToFetch):

urlsel=''

try:

text=getUrl(urlToFetch)

bitRate="1500"

overrideBitrate=selfAddon.getSetting( "bbcBitRateMax" )

if overrideBitrate<>"": bitRate=overrideBitrate

bitRate=int(bitRate)

regstring='href="(.\*?)" bitrate="(.\*?)"'

birates=re.findall(regstring, text)

birates=[(int(j),f) for f,j in birates]

birates=sorted(birates, key=lambda f: f[0])

for r, url in birates:

if r<=bitRate:

ratesel, urlsel=r, url

else:

break

if urlsel=='': urlsel=birates[1]

print 'xxxxxxxxx',ratesel, urlsel

except: pass

return urlsel

def GUIEditExportName(name):

exit = True

while (exit):

kb = xbmc.Keyboard('default', 'heading', True)

kb.setDefault(name)

kb.setHeading('Enter Url')

kb.setHiddenInput(False)

kb.doModal()

if (kb.isConfirmed()):

name = kb.getText()

#name\_correct = name\_confirmed.count(' ')

#if (name\_correct):

# GUIInfo(2,\_\_language\_\_(33224))

#else:

# name = name\_confirmed

# exit = False

#else:

# GUIInfo(2,\_\_language\_\_(33225))

exit = False

return(name)

if mode ==None:

bbcsname='http://a.files.bbci.co.uk/media/live/manifesto/audio\_video/simulcast/hds/uk/pc/ak/'

videos=[[getBBCUrl('%sbbc\_one\_hd.f4m'%bbcsname) +'|Referer=http://www.bbc.co.uk/iplayer/live/bbcone&X-Requested-With=ShockwaveFlash/18.0.0.160','bbc1 (uk)','http://www.parker1.co.uk/myth/icons/tv/bbc1.png',0,'',False],

[getBBCUrl('%sbbc\_two\_hd.f4m'%bbcsname)+'|Referer=http://www.bbc.co.uk/iplayer/live/bbctwo&X-Requested-With=ShockwaveFlash/18.0.0.160','bbc2 (uk)','http://www.parker1.co.uk/myth/icons/tv/bbc2.png',0,'',False],

[getBBCUrl('%sbbc\_three\_hd.f4m'%bbcsname)+'|Referer=http://www.bbc.co.uk/iplayer/live/bbctwo&X-Requested-With=ShockwaveFlash/18.0.0.160','bbc3 (uk)','http://www.parker1.co.uk/myth/icons/tv/bbc3.png',0,'',False],

[getBBCUrl('%sbbc\_four\_hd.f4m'%bbcsname)+'|Referer=http://www.bbc.co.uk/iplayer/live/bbctwo&X-Requested-With=ShockwaveFlash/18.0.0.160','bbc4 (uk)','http://www.parker1.co.uk/myth/icons/tv/bbc4.png',0,'',False],

[getBBCUrl('http://a.files.bbci.co.uk/media/live/manifesto/audio\_video/simulcast/hds/uk/pc/llnw/bbc\_news24.f4m')+'|Referer=http://www.bbc.co.uk/iplayer/live/bbctwo&X-Requested-With=ShockwaveFlash/18.0.0.160','bbc news (uk)','http://www.parker1.co.uk/myth/icons/tv/bbcnews.png',0,'',False],

[getBBCUrl('http://a.files.bbci.co.uk/media/live/manifesto/audio\_video/simulcast/hds/uk/pc/llnw/bbc\_parliament.f4m')+'|Referer=http://www.bbc.co.uk/iplayer/live/bbctwo&X-Requested-With=ShockwaveFlash/18.0.0.160','bbc parliment (uk)','',0,'',False],

# ['http://zaphod-live.bbc.co.uk.edgesuite.net/hds-live/livepkgr/\_definst\_/cbbc/cbbc\_1500.f4m','cbbc (uk) 1500kbps','',0,'',False],

# ['http://zaphod-live.bbc.co.uk.edgesuite.net/hds-live/livepkgr/\_definst\_/cbeebies/cbeebies\_1500.f4m','cbeebeies (uk) 1500kbps','',0,'',False],

# ['http://vs-hds-uk-live.edgesuite.net/pool\_1/live/bbc\_parliament/bbc\_parliament.isml/bbc\_parliament-audio\_2%3d96000-video%3d1374000.f4m|Referer=http://www.bbc.co.uk/iplayer/live/bbcparliament&X-Requested-With=ShockwaveFlash/18.0.0.160','bbc parliment (uk) 1500kbps','',0,'',False],

# ['http://vs-hds-uk-live.bbcfmt.vo.llnwd.net/pool\_5/live/bbc\_news\_channel\_hd/bbc\_news\_channel\_hd.isml/bbc\_news\_channel\_hd-audio\_2%3d96000-video%3d1374000.f4m|Referer=http://www.bbc.co.uk/iplayer/live/bbcnews&X-Requested-With=ShockwaveFlash/18.0.0.160','bbc news (uk) 1500kbps','',0,'',False],

# ['http://vs-hds-uk-live.bbcfmt.vo.llnwd.net/pool\_5/live/bbc\_one\_london/bbc\_one\_london.isml/bbc\_one\_london-audio\_2%3d96000-video%3d1374000.f4m|Referer=http://www.bbc.co.uk/iplayer/live/bbcone&X-Requested-With=ShockwaveFlash/18.0.0.160&X-Forwarded-For=212.58.241.131','bbc1 (outside uk) 1500kbps','http://www.parker1.co.uk/myth/icons/tv/bbc1.png',0,'',False],

# ['http://vs-hds-uk-live.bbcfmt.vo.llnwd.net/pool\_5/live/bbc\_two\_hd/bbc\_two\_hd.isml/bbc\_two\_hd-audio\_2%3d96000-video%3d1374000.f4m|Referer=http://www.bbc.co.uk/iplayer/live/bbctwo&X-Requested-With=ShockwaveFlash/18.0.0.160','bbc2 (outside uk) 1500kbps','http://www.parker1.co.uk/myth/icons/tv/bbc2.png',0,'',False],

# ['http://zaphod-live.bbc.co.uk.edgesuite.net/hds-live/livepkgr/\_definst\_/bbc3/bbc3\_1500.f4m|X-Forwarded-For=212.58.241.131','bbc3 (outside uk) 1500kbps [link not valid]','',0,'',False],

# ['http://zaphod-live.bbc.co.uk.edgesuite.net/hds-live/livepkgr/\_definst\_/bbc4/bbc4\_1500.f4m|X-Forwarded-For=212.58.241.131','bbc4 (outside uk) 1500kbps [link not valid]','',0,'',False],

# ['http://zaphod-live.bbc.co.uk.edgesuite.net/hds-live/livepkgr/\_definst\_/cbbc/cbbc\_1500.f4m|X-Forwarded-For=212.58.241.131','cbbc (outside uk) 1500kbps','',0,'',False],

# ['http://zaphod-live.bbc.co.uk.edgesuite.net/hds-live/livepkgr/\_definst\_/cbeebies/cbeebies\_1500.f4m|X-Forwarded-For=212.58.241.131','cbeebeies (outside uk) 1500kbps','',0,'',False],

# ['http://vs-hds-uk-live.edgesuite.net/pool\_1/live/bbc\_parliament/bbc\_parliament.isml/bbc\_parliament-audio\_2%3d96000-video%3d1374000.f4m|Referer=http://www.bbc.co.uk/iplayer/live/bbcparliament&X-Requested-With=ShockwaveFlash/18.0.0.160|X-Forwarded-For=212.58.241.131','bbc parliment (outside uk) 1500kbps','',0,'',False],

# ['http://vs-hds-uk-live.bbcfmt.vo.llnwd.net/pool\_5/live/bbc\_news\_channel\_hd/bbc\_news\_channel\_hd.isml/bbc\_news\_channel\_hd-audio\_2%3d96000-video%3d1374000.f4m|Referer=http://www.bbc.co.uk/iplayer/live/bbcnews&X-Requested-With=ShockwaveFlash/18.0.0.160&X-Forwarded-For=212.58.241.131','bbc news (outside uk) 1500kbps','',0,'',False],

['http://nhkworld-hds-live1.hds1.fmslive.stream.ne.jp/hds-live/nhkworld-hds-live1/\_definst\_/livestream/nhkworld-live-128.f4m','nhk 128','',0,'',False],

['http://nhkworld-hds-live1.hds1.fmslive.stream.ne.jp/hds-live/nhkworld-hds-live1/\_definst\_/livestream/nhkworld-live-256.f4m','nhk 256','',0,'',False],

['http://nhkworld-hds-live1.hds1.fmslive.stream.ne.jp/hds-live/nhkworld-hds-live1/\_definst\_/livestream/nhkworld-live-512.f4m','nhk 512','',0,'',False],

['http://77.245.150.95/hds-live/livepkgr/\_definst\_/liveevent/livestream.f4m','Turkish','',0,'',False],

['http://88.157.194.246/live/ramdisk/zrtp1/HDS/zrtp1.f4m','j0anita','',0,'',False],

['http://ak.live.cntv.cn/z/cctv9\_1@139238/manifest.f4m?hdcore=2.11.3&g=OUVOVEOVETYH','cntv.cn','',0,'',False],

['http://mlghds-lh.akamaihd.net/z/mlg17\_1@167001/manifest.f4m?hdcore=2.11.3&g=TOFRPVFGXLFS','alibaba','',0,'',False],

['http://peer-stream.com/api/get\_manifest.f4m?groupspec=G:0101010c050e6f72663200','streamtivi.com','',0,'',False],

['http://164.100.31.234/hds-live/livepkgr/\_definst\_/rstvlive.f4m','Rajya Sabha TV','',0,'',False],

['http://fmssv1.merep.com/hds-live/livepkgr/\_definst\_/liveevent/livestream.f4m?blnpc20130909042035\_1061880273','media center','',0,'',False],

['http://fms01.stream.internetone.it/hds-live/livepkgr/\_definst\_/8fm/8fm1.f4m','Italy otto 8 FMTV','',0,'',False],

['http://88.150.239.241/hds-live/livepkgr/\_definst\_/liveevent/livestream.f4m','Son Araba','',0,'',False],

['http://202.162.123.172/hds-live/livepkgr/\_definst\_/liveevent/livestream4.f4m','Chine Live event 4','',0,'',False],

['http://zb.wyol.com.cn/hds-live/livepkgr/\_definst\_/wslhevent/hls\_pindao\_1\_350.f4m','CCTV 1 China','',0,'',False],

['http://zb.zghhzx.net/hds-live/livepkgr/\_definst\_/wslhevent/hls\_pindao\_1\_350.f4m','CCTV13 China','',0,'',False],

['http://zb.sygd.tv/hds-live/livepkgr/\_definst\_/wslhevent/hls\_pindao\_1\_350.f4m','SYGD TV china','',0,'',False],

['http://zb.pudongtv.cn/hds-live/livepkgr/\_definst\_/wslhevent/hls\_pindao\_1\_500.f4m','Pudong TV China','',0,'',False],

['http://88.150.239.241/hds-live/livepkgr/\_definst\_/liveevent/livestream.f4m','AKS TV Turkey','',0,'',False],

['http://fms.quadrant.uk.com/hds-live/livepkgr/\_definst\_/liveevent/livestream.f4m','Quadrant live streams UK','',0,'',False],

['http://cdn3.1internet.tv/hds-live11/livepkgr/\_definst\_/1tv-hd.f4m','1 HD cdn1 Russia','',0,'',False],

['http://cdn2.1internet.tv/hds-live/livepkgr/\_definst\_/1tv.f4m','1 HD cdn2 Russia','',0,'',False],

['http://193.232.151.135/hds-live-not-protected/livepkgr/\_1099\_/1099/1099-70.f4m','ndtv plus - proxy needed','',0,'',False],

['http://bbcwshdlive01-lh.akamaihd.net/z/atv\_1@61433/manifest.f4m?hdcore=2.11.3','BBC Arabic','',0,'',False],

['http://skaihd-f.akamaihd.net/z/advert/ORAL\_B\_SHAKIRA\_20-SKAI.mp4/manifest.f4m?hdcore=2.6.8&g=OGEJOEGNJICP','Greek Oral B advert','',0,'',False],

['http://srgssr\_uni\_11\_ww-lh.akamaihd.net/z/enc11uni\_ww@112996/manifest.f4m?g=XTJVOORDBMQF&hdcore=2.11.3','RTS Swiss a proxy needed?','',0,'',False],

['http://ccr.cim-jitp.top.comcast.net/cimomg04/OPUS/83/162/119271491507/1389989008837/119271491507\_1389986611184\_1850000\_4.f4m','aliakrep DRM not working','',0,'',False],

['http://stream1-prod.spectar.tv:1935/mrt-edge/\_definst\_/mrt3/smil:all-streams.isml/manifest.f4m','mrt3/all-streams.isml','',0,'',False],

['http://hdv.gamespotcdn.net/z/d5/2013/10/16/Gameplay\_GettingRevengeinGTAOnline\_101613\_,600,1000,1800,3200,4000,.mp4.csmil/manifest.f4m?hdcore=2.10.3&g=JNMDDRCQSDCH','Recorded..Getting Revenge in GTA maxbitrate 2000','',2006,'',False],

['http://hdv.gamespotcdn.net/z/d5/2013/10/16/Gameplay\_GettingRevengeinGTAOnline\_101613\_,600,1000,1800,3200,4000,.mp4.csmil/manifest.f4m?hdcore=2.10.3&g=JNMDDRCQSDCH','Recorded..Getting Revenge in GTA maxbitrate Highest','',0,'',False],

['http://hdv.gamespotcdn.net/z/d5/2014/04/24/GSNews\_Apr24\_20140424a\_,600,1000,1800,3200,4000,.mp4.csmil/manifest.f4m?hdcore=2.10.3&g=KUVLMGTKPJFF','Recorded..Gamespot news highest bitrate','',0,'',False],

['http://hdv.gamespotcdn.net/z/d5/2014/04/24/GSNews\_Apr24\_20140424a\_,600,.mp4.csmil/manifest.f4m?hdcore=2.10.3&g=KUVLMGTKPJFF','Recorded..Gamespot news 600 bitrate','',0,'',False],

['http://202.125.131.170:1935/pitelevision/smil:geokahani.smil/manifest.f4m','Pitelevision geo kahani','',0,'',False],

['http://stream.flowplayer.org/flowplayer-700.flv','TESTING not F4M','',0,'',False],

['http://hlscache.fptplay.net.vn/live/htvcmovieHD\_2500.stream/manifest.f4m|Referer=http://play.fpt.vn/static/mediaplayer/FPlayer.swf','Viet 2500bitrate','',0,'',False],

['http://hlscache.fptplay.net.vn/live/onetv\_1000.stream/manifest.f4m|Referer=http://play.fpt.vn/static/mediaplayer/FPlayer.swf','Viet 1000bitrate','',0,'',False],

['http://88.157.194.246/live/ramdisk/zsic/HDS/zviseu.f4m','Sic http://viseu.es.tl/','',0,'',False],

['http://www.rte.ie/manifests/rte1.f4m','Rte.ie multi nested manifests','',0,'',False],

['http://olystreameast.nbcolympics.com/vod/157717c8-9c74-4fd1-ab1a-7daca5246324/geo1-lucas-oil-pro-motocross0531120959-ua.ism/manifest(format=f4m-f4f).f4m','NBc olypics','',900,'108.163.254.214:7808',False],

['http://olystreameast.nbcolympics.com/vod/31883e54-e85b-4551-a24a-46accc4a9d49/nbc-sports-live-extra0601123118-ua.ism/manifest(format=f4m-f4f,filtername=vodcut).f4m','NBc extra olypics','',900,'108.163.254.214:7808',False],

['http://77.245.150.95/hds-live/livepkgr/\_definst\_/liveevent/livestream.f4m','something else','',0,'',False]]

#['http://dummy','Custom']]

#print videos

if 1==2: #disable it as these links are not working, not sure why

req = urllib2.Request('http://www.gzcbn.tv/app/?app=ios&controller=cmsapi&action=pindao')

req.add\_header('User-Agent', 'Mozilla/5.0 (Windows; U; Windows NT 5.1; en-GB; rv:1.9.0.3) Gecko/2008092417 Firefox/3.0.3')

response = urllib2.urlopen(req)

link=response.read()

response.close()

## print link

s='title\":\"(.\*?)\",\"stream\":\"(.\*?)\"'

#

match=re.compile(s).findall(link)

i=0

for i in range(len(match)):

match[i]= (match[i][1].replace('\\/','/'),match[i][0])

videos+=match #disabled for time being as these are not working

#print videos

for (file\_link,name,imgurl,maxbitrate,proxy,usechunks) in videos:

liz=xbmcgui.ListItem(name,iconImage=imgurl, thumbnailImage=imgurl)

liz.setInfo( type="Video", infoLabels={ "Title": name} )

#liz.setProperty("IsPlayable","true")

u = sys.argv[0] + "?" + urllib.urlencode({'url': file\_link,'mode':'play','name':name,'maxbitrate':maxbitrate,'proxy':proxy,'proxy\_for\_chunks':usechunks})

print u

ok=xbmcplugin.addDirectoryItem(handle=int(sys.argv[1]),url=u,listitem=liz,isFolder=False, )

elif mode == "play":

print 'PLAying ',mode,url,setResolved

if not name in ['Custom','TESTING not F4M'] :

playF4mLink(url,name, proxy\_string, proxy\_use\_chunks,auth\_string,streamtype,setResolved,swf , callbackpath, callbackparam,iconImage)

else:

listitem = xbmcgui.ListItem( label = str(name), iconImage = "DefaultVideo.png", thumbnailImage = xbmc.getInfoImage( "ListItem.Thumb" ), path=url )

xbmc.Player().play( url,listitem)

#newUrl=GUIEditExportName('')

#if not newUrl=='':

# playF4mLink(newUrl,name)

if not play:

xbmcplugin.endOfDirectory(int(sys.argv[1]), cacheToDisc=False)