

**NAME**

Net::UPnP - Perl extension for UPnP

**SYNOPSIS**

```
use Net::UPnP::ControlPoint;

my $obj = Net::UPnP::ControlPoint->new();

@dev_list = $obj->search(st =>'upnp:rootdevice', mx => 3);

$devNum= 0;
foreach $dev (@dev_list) {
    $device_type = $dev->getdevicetype();
    if ($device_type ne 'urn:schemas-upnp-org:device:MediaServer:1') {
        next;
    }
    print "[ $devNum ] : " . $dev->getfriendlyname() . "\n";
    unless ($dev->getservicebyname('urn:schemas-upnp-org:service:ContentDirectory:1')) {
        next;
    }
    $condir_service = $dev->getservicebyname('urn:schemas-upnp-org:service:ContentDirectory:1');
    unless (defined($condir_service)) {
        next;
    }
    %action_in_arg = (
        'ObjectID' => 0,
        'BrowseFlag' => 'BrowseDirectChildren',
        'Filter' => '*',
        'StartingIndex' => 0,
        'RequestedCount' => 0,
        'SortCriteria' => '',
    );
    $action_res = $condir_service->postcontrol('Browse', \%action_in_arg);
    unless ($action_res->getstatusCode() == 200) {
        next;
    }
    $action_out_arg = $action_res->getargumentlist();
    unless ($action_out_arg->{'Result'}) {
        next;
    }
    $result = $action_out_arg->{'Result'};
    while ($result = m/<dc:title>(.*?)</dc:title>/sgi) {
        print "\t$1\n";
    }
    $devNum++;
}

```

**DESCRIPTION**

This package provides some functions to control UPnP devices.

Currently, the package provides only functions for the control point. To control UPnP devices, see `Net::UPnP::ControlPoint`.

As a sample of the control point, the package provides [Net::UPnP::AV::MediaServer](#) to control the devices such as DLNA media servers. As the example, please `dms2vodcast.pl` that converts from the MPEG2 movies to the MPEG4 one and outputs the RSS file for Vodcasting.

**SEE ALSO**

[Net::UPnP::ControlPoint](#)

[Net::UPnP::AV::MediaServer](#)

**AUTHOR**

Satoshi Konno [skonno@cybergarage.org](mailto:skonno@cybergarage.org)

CyberGarage <http://www.cybergarage.org>

**COPYRIGHT AND LICENSE**

Copyright (C) 2005 by Satoshi Konno

It may be used, redistributed, and/or modified under the terms of BSD License.