NAME

      Net::UPnP::AV::Container − Perl extension for UPnP.

SYNOPSIS

```
use Net::UPnP::ControlPoint;
use Net::UPnP::AV::MediaServer;

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:ContentDirector
        next;
    }
    $mediaServer = Net::UPnP::AV::MediaServer->new();
    $mediaServer->setdevice($dev);
    @content_list = $mediaServer->getcontentlist(ObjectID => 0);
    foreach $content (@content_list) {
        print_content($mediaServer, $content, 1);
    }
    $devNum++;
}

sub print_content {
    my ($mediaServer, $content, $indent) = @_;
    my $id = $content->getid();
    my $title = $content->gettitle();
    for ($n=0; $n<$indent; $n++) {
        print "\t";
    }
    print "$id = $title";
    if ($content->isitem()) {
        print " (" . $content->geturl();
        if (length($content->getdate())) {
            print " − " . $content->getdate();
        }
        print " − " . $content->getcontenttype() . ")";
    }
    print "\n";
    unless ($content->iscontainer()) {
        return;
    }
    @child_content_list = $mediaServer->getcontentlist(ObjectID => $id );
    if (@child_content_list <= 0) {
        return;
    }
    $indent++;
    foreach my $child_content (@child_content_list) {
```

```
                print_content($mediaServer, $child_content, $indent);
            }
        }
```

DESCRIPTION

The package is a extension UPnP/AV media server, and a sub class of Net::UPnP::AV::Content.

METHODS

iscontainer – Check if the content is a container.

```
$isContainer = $container->iscontainer();
```

Check if the content is a container.

getid – Get the content ID.

```
$id = $item->getid();
```

Get the content ID.

gettitle – Get the content title.

```
$title = $item->gettitle();
```

Get the content title.

getdate – Get the content date.

```
$date = $item->getdate();
```

Get the content date.

SEE ALSO

Net::UPnP::AV::Content

Net::UPnP::AV::Item

AUTHOR

Satoshi Konno 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.