

NAME

Net::UPnP::AV::MediaServer - 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:ContentDirectory:1')) {
        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.

METHODS

new - create new Net::UPnP::AV::MediaServer.

```
$mservier = Net::UPnP::AV::MediaServer();
```

Creates a new object. Read 'perldoc perlboot' if you don't understand that.

The new object is not associated with any UPnP devices. Please use *setdevice()* to set the device.

setdevice - set a UPnP devices

```
$mservier->setdevice($dev);
```

Set a device to the object.

browse - browse the content directory.

```

@action_response = $mservier->browse(
  ObjectID => $objid, # 0
  BrowseFlag => $browseFlag, # 'BrowseDirectChildren'
  Filter => $filter, # '*'
  StartingIndex => $startIndex, # 0
  RequestedCount => $reqCount, # 0
  SortCriteria => $sortCrit # ''
);

```

Browse the content directory and return the action response, Net::UPnP::ActionResponse.

getcontentlist - get the content list.

```

@content_list = $mservier->getcontentlist(
  ObjectID => $objid, # 0
  Filter => $filter, # '*'
  StartingIndex => $startIndex, # 0
  RequestedCount => $reqCount, # 0
  SortCriteria => $sortCrit # ''
);

```

Browse the content directory and return the content list. Please see [Net::UPnP::AV::Content](#), [Net::UPnP::AV::Item](#) and [Net::UPnP::AV::Container](#).

SEE ALSO

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

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

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

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