

NAME

Net::UPnP::Device - 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

The package is used a object of UPnP device.

METHODS

getdescription - get the description.

```
$description = $dev->getdescription(
    name => $name # undef
);
```

Get the device description of the SSDP location header.

The function returns the all description when the name parameter is not specified, otherwise return a value the specified name.

getdevicetype - get the device type.

```
$description = $dev->getdevicetype();
```

Get the device type from the device description.

getfriendlyname - get the device type.

```
$friendlyname = $dev->getfriendlyname();
```

Get the friendly name from the device description.

getmanufacturer - get the manufacturer.

```
$manufacturer = $dev->getmanufacturer();
```

Get the manufacturer name from the device description.

getmanufacturerurl - get the manufacturer url.

```
$manufacturer_url = $dev->getmanufacturerurl();
```

Get the manufacturer url from the device description.

getmodeldescription - get the model description.

```
$model_description = $dev->getmodeldescription();
```

Get the model description from the device description.

getmodelname - get the model name.

```
$model_name = $dev->getmodelname();
```

Get the model name from the device description.

getmodelnumber - get the model number.

```
$model_number = $dev->getmodelnumber();
```

Get the model number from the device description.

getmodelurl - get the model url.

```
$model_url = $dev->getmodelurl();
```

Get the model url from the device description.

getserialnumber - get the serialnumber.

```
$serialnumber = $dev->getserialnumber();
```

Get the model description from the device description.

getudn - get the device UDN.

```
$udn = $dev->getudn();
```

Get the UDN from the device description.

getupc - get the device UPC.

```
$upc = $dev->getupc();
```

Get the UPC from the device description.

getservicelist - get the device type.

```
@service_list = $dev->getservicelist();
```

Get the service list in the device. Please see [Net::UPnP::Service](#) too.

SEE ALSO

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

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