

**NAME**

Net::UPnP::Service - 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 service.

**METHODS**

**getdevice** - get the device.

```
$description = $service->getdevice();
```

Get the parent device of the service.

**getdevicedescription** - get the service description of the device description.

```
$description = $service->getdevicedescription(  
    name => $name # undef  
);
```

Get the service description of the device description.

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

**getservicetype** - get the service type.

```
$service_type = $service->getservicetype();
```

Get the service type.

**getserviceid** - get the service id.

```
$service_id = $service->getserviceid();
```

Get the service id.

**postaction** - post a action control.

```
$action_res = $service->postcontrol($action_name, \%action_arg);
```

Post a action control to the device, and return Net::UPnP::ActionResponse.

The method was renamed from *postcontrol()*, but the old name is deprecated.

**postquery** - post a query control.

```
$query_res = $service->postcontrol($var_name);
```

Post a query control to the device, and return Net::UPnP::QueryResponse.

## SEE ALSO

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

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