

# **1 APR::SockAddr - Perl API for APR socket address structure**

## 1.1 Synopsis

```
use APR::SockAddr ();

my $ip = $sock_addr->ip_get;
my $port = $sock_addr->port;
```

## 1.2 Description

APR::SockAddr provides an access to a socket address structure fields.

Normally you'd get a socket address object, by calling:

```
use Apache2::Connection ();
my $remote_sock_addr = $c->remote_addr;
my $local_sock_addr = $c->remote_local;
```

## 1.3 API

APR::SockAddr provides the following functions and/or methods:

### 1.3.1 *ip\_get*

Get the IP address of the socket

```
$ip = $sock_addr->ip_get();
```

- **obj:** `$sock_addr` (APR::SockAddr object)
- **ret:** `$ip` (string)
- **since:** 2.0.00

If you are familiar with how perl's Socket works:

```
use Socket 'sockaddr_in';
my ($serverport, $serverip) = sockaddr_in(getpeername($local_sock));
my ($remoteport, $remoteip) = sockaddr_in(getpeername($remote_sock));
```

in apr-speak that'd be written as:

```
use APR::SockAddr ();
use Apache2::Connection ();
my $serverport = $c->local_addr->port;
my $serverip = $c->local_addr->ip_get;
my $remoteport = $c->remote_addr->port;
my $remoteip = $c->remote_addr->ip_get;
```

### 1.3.2 *port*

Get the IP address of the socket

```
$port = $sock_addr->port();
```

- **obj:** `$sock_addr` ( `APR::SockAddr` object )
- **ret:** `$port` ( integer )
- **since:** 2.0.00

Example: see `ip_get()`

## 1.4 Unsupported API

`APR::SockAddr` also provides auto-generated Perl interface for a few other methods which aren't tested at the moment and therefore their API is a subject to change. These methods will be finalized later as a need arises. If you want to rely on any of the following methods please contact the `mod_perl` development mailing list so we can help each other take the steps necessary to shift the method to an officially supported API.

### 1.4.1 *equal*

META: Autogenerated - needs to be reviewed/completed

See if the IP addresses in two APR socket addresses are equivalent. Appropriate logic is present for comparing IPv4-mapped IPv6 addresses with IPv4 addresses.

```
$ret = $addr1->equal($addr2);
```

- **obj:** `$addr1` ( `APR::SockAddr` object )

One of the APR socket addresses.

- **arg1:** `$addr2` ( `APR::SockAddr` object )

The other APR socket address.

- **ret:** `$ret` ( integer )
- **since:** subject to change

The return value will be non-zero if the addresses are equivalent.

1.5 See Also

## **1.5 See Also**

mod\_perl 2.0 documentation.

## **1.6 Copyright**

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## **1.7 Authors**

The mod\_perl development team and numerous contributors.

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