

## NAME

Net::servent - by-name interface to Perl's built-in getserv\*() functions

## SYNOPSIS

```
use Net::servent;
$s = getservbyname(shift || 'ftp') || die "no service";
printf "port for %s is %s, aliases are %s\n",
    $s->name, $s->port, "@{$s->aliases}";

use Net::servent qw(:FIELDS);
getservbyname(shift || 'ftp') || die "no service";
print "port for $s_name is $s_port, aliases are @s_aliases\n";
```

## DESCRIPTION

This module's default exports override the core `getservent()`, `getservbyname()`, and `getnetbyport()` functions, replacing them with versions that return "Net::servent" objects. They take default second arguments of "tcp". This object has methods that return the similarly named structure field name from the C's `servent` structure from *netdb.h*; namely `name`, `aliases`, `port`, and `proto`. The `aliases` method returns an array reference, the rest scalars.

You may also import all the structure fields directly into your namespace as regular variables using the `:FIELDS` import tag. (Note that this still overrides your core functions.) Access these fields as variables named with a preceding `s_`. Thus, `$serv_obj->name()` corresponds to `$s_name` if you import the fields. Array references are available as regular array variables, so for example `@{$serv_obj->aliases()}` would be simply `@s_aliases`.

The `getserv()` function is a simple front-end that forwards a numeric argument to `getnetbyport()`, and the rest to `getservbyname()`.

To access this functionality without the core overrides, pass the `use` an empty import list, and then access function functions with their full qualified names. On the other hand, the built-ins are still available via the `CORE::` pseudo-package.

## EXAMPLES

```
use Net::servent qw(:FIELDS);

while (@ARGV) {
    my ($service, $proto) = ((split m!/!, shift), 'tcp');
    my $valet = getserv($service, $proto);
    unless ($valet) {
        warn "$0: No service: $service/$proto\n";
        next;
    }
    printf "service $service/$proto is port %d\n", $valet->port;
    print "alias are @s_aliases\n" if @s_aliases;
}
```

## NOTE

While this class is currently implemented using the `Class::Struct` module to build a struct-like class, you shouldn't rely upon this.

## AUTHOR

Tom Christiansen