

Data types useful for Internet programming.

Modules

[logging](#) [signal](#) [struct](#) [sys](#)

Classes

[DomainName](#)
[InetAddr](#)

class **DomainName**

Representation of a DNS domain name.

Methods defined here:

__cmp__(self, other)

__copy__(self)

Return a copy of this [DomainName](#) object that loses any pointer information that may exist in this object's rep.

__hash__(self)

Returns a hash of this object based on its string rep.

__init__(self, s="")

Initialize from a user-supplied string (optionally empty)

.

__len__(self)

Returns the length of the [RFC 1035](#)-compliant binary representation, taking into account pointers.

__repr__(self)

__str__(self)

Returns a '.'-terminated string representation of this object.

pack(self)

Packs this object into [RFC 1035](#)-compliant data and returns the resulting binary-packed string.

parent(self)

Return a [DomainName](#) object that represents the parent domain

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ain.

Static methods defined here:

fromData(data, offset=0)

Return a [DomainName](#) object from user-supplied packed binary data, with an optional offset modifier.

class **InetAddr**

Internet address type.

Methods defined here:

__cmp__(self, other)

__hash__(self)

Returns a hash of this object based on its string rep.

__init__(self, s)

Initialize from a user-supplied dotted quad string.

__repr__(self)

__str__(self)

toNetwork(self)

Convert to network data format (four packed binary bytes)

.

Static methods defined here:

fromNetwork(n)

Functions

inet_aton(...)

[inet_aton](#)(string) -> packed 32-bit IP representation

Convert an IP address in string format (123.45.67.89) to the 32-bit packed binary format used in low-level network functions.

inet_ntoa(...)

[inet_ntoa](#)(packed_ip) -> ip_address_string

Convert an IP address from 32-bit packed binary format to string format

```
DEBUG1 = 9
DEBUG2 = 8
FILTER = '..... !"#$$%&\'()*+,-./.....'
ch = <logging.StreamHandler instance>
chformatter = <logging.Formatter instance>
fh = <logging.handlers.RotatingFileHandler instance>
fhformatter = <logging.Formatter instance>
logfile = './ncsdns.log'
logger = <logging.RootLogger instance>
x = 255
```

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