NAME

Net::DNS::Text – DNS text representation

SYNOPSIS

```
use Net::DNS::Text;

$object = new Net::DNS::Text('example');
$string = $object->string;

$object = decode Net::DNS::Text( \$data, $offset );
( $object, $next ) = decode Net::DNS::Text( \$data, $offset );

$data = $object->encode;
$text = $object->value;
```

DESCRIPTION

The `Net::DNS::Text` module implements a class of text objects with associated class and instance methods.

Each text object instance has a fixed identity throughout its lifetime.

METHODS

new

```
$object = new Net::DNS::Text('example');
```

Creates a text object which encapsulates a single character string component of a resource record.

Arbitrary single-byte characters can be represented by \ followed by exactly three decimal digits. Such characters are devoid of any special meaning.

A character preceded by \ represents itself, without any special interpretation.

decode

```
$object = decode Net::DNS::Text( \$buffer, $offset );

( $object, $next ) = decode Net::DNS::Text( \$buffer, $offset );
```

Creates a text object which represents the decoded data at the indicated offset within the data buffer.

The argument list consists of a reference to a scalar containing the wire-format data and offset of the text data.

The returned offset value indicates the start of the next item in the data buffer.

encode

```
$data = $object->encode;
```

Returns the wire-format encoded representation of the text object suitable for inclusion in a DNS packet buffer.

raw

```
$data = $object->raw;
```

Returns the wire-format encoded representation of the text object without the explicit length field.

value

```
$value = $text->value;
```

Character string representation of the text object.

string

```
$string = $text->string;
```

Conditionally quoted zone file representation of the text object.

BUGS

Coding strategy is intended to avoid creating unnecessary argument lists and stack frames. This improves efficiency at the expense of code readability.

Platform specific character coding features are conditionally compiled into the code.

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SEE ALSO

perl, Net::DNS, RFC1035, RFC3629, Unicode TR#16