

**NAME**

**xdr\_accepted\_reply**, **xdr\_authsys\_parms**, **xdr\_callhdr**, **xdr\_callmsg**, **xdr\_opaque\_auth**,  
**xdr\_rejected\_reply**, **xdr\_replymsg** - XDR library routines for remote procedure calls

**LIBRARY**

Standard C Library (libc, -lc)

**SYNOPSIS**

```
#include <rpc/rpc.h>
```

*bool\_t*

```
xdr_accepted_reply(XDR *xdrs, struct accepted_reply *ar);
```

*bool\_t*

```
xdr_authsys_parms(XDR *xdrs, struct authsys_parms *aupp);
```

*bool\_t*

```
xdr_callhdr(XDR *xdrs, struct rpc_msg *chdr);
```

*bool\_t*

```
xdr_callmsg(XDR *xdrs, struct rpc_msg *cmsg);
```

*bool\_t*

```
xdr_opaque_auth(XDR *xdrs, struct opaque_auth *ap);
```

*bool\_t*

```
xdr_rejected_reply(XDR *xdrs, struct rejected_reply *rr);
```

*bool\_t*

```
xdr_replymsg(XDR *xdrs, struct rpc_msg *rmsg);
```

**DESCRIPTION**

These routines are used for describing the RPC messages in XDR language. They should normally be used by those who do not want to use the RPC package directly. These routines return TRUE if they succeed, FALSE otherwise.

**Routines**

See `rpc(3)` for the definition of the XDR data structure.

**xdr\_accepted\_reply()**

Used to translate between RPC reply messages and their external representation. It includes the status of the RPC call in the XDR language format. In the case of success, it also includes the call results.

**xdr\_authsys\_parms()**

Used for describing UNIX operating system credentials. It includes machine-name, uid, gid list, etc.

**xdr\_callhdr()**

Used for describing RPC call header messages. It encodes the static part of the call message header in the XDR language format. It includes information such as transaction ID, RPC version number, program and version number.

**xdr\_callmsg()**

Used for describing RPC call messages. This includes all the RPC call information such as transaction ID, RPC version number, program number, version number, authentication information, etc. This is normally used by servers to determine information about the client RPC call.

**xdr\_opaque\_auth()**

Used for describing RPC opaque authentication information messages.

**xdr\_rejected\_reply()**

Used for describing RPC reply messages. It encodes the rejected RPC message in the XDR language format. The message could be rejected either because of version number mis-match or because of authentication errors.

**xdr\_replymsg()**

Used for describing RPC reply messages. It translates between the RPC reply message and its external representation. This reply could be either an acceptance, rejection or NULL.

**SEE ALSO**

rpc(3), xdr(3)