NAME

XRes - X-Resource extension client library

SYNOPSIS

#include <X11/extensions/XRes.h>

typedef struct {
        XID   resource_base;
        XID   resource_mask;
} XResClient;

typedef struct {
        Atom   resource_type;
        unsigned int   count;
} XResType;

Bool XResQueryExtension(Display *dpy, int *event_base_return, int *error_base_return);

Status XResQueryVersion(Display *dpy, int *major_version_return, int *minor_version_return);

Status XResQueryClients(Display *dpy, int *num_clients, XResClient **clients);

Status XResQueryClientResources(Display *dpy, XID xid, int *num_types, XResType **types);

Status XResQueryClientPixmapBytes(Display *dpy, XID xid, unsigned long *bytes);

DESCRIPTION

X-Resource is an extension that allows a client to query the X server about its usage of various resources. It should not be confused with the X resource database access functions.

XResQueryExtension returns **True** if the *XRes* extension is available on the given display. A client must call **XResQueryExtension** before calling any other XRes function in order to negotiate a compatible protocol version; otherwise the client will get undefined behavior (XRes may or may not work).

XResQueryVersion returns **True** if the request succeeded; the values of the major and minor protocol versions supported by the server are returned in *major_version_return* and *minor_version_return* .

XResQueryClients fills a list of clients of the given display. For each client it returns in the *XResClient* structure a mask and a base value of the resources used by these clients. Returns **True** on

success or **False** on failure.

XResQueryClientResources fills a list of XResType structures, indicating for each resource type allocated by the client its name (as an Atom) and the number of resources of this type allocated. Returns **True** on success or **False** on failure.

XResQueryClientPixmapBytes gives, for resources of type *PIXMAP* the total number of bytes allocated in the X server by the given client. Returns **True** on success or **False** on failure.

ERRORS

XResQueryClientResources and **XResQueryClientPixmapBytes** will return *BadValue* if passed an illegal client identifier.

SEE ALSO

X(7)

AUTHOR

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STABILITY

This API is considered as experimental. The XRes library major revision may be incremented whenever incompatible changes are done to the API without notice. Use with care.