

**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

Mark Vojkovich, originally for The XFree86 Project Inc.

## 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.