X Record Extension Library

X Consortium Standard

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X Record Extension Library: X Consortium Standard

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[illegible]

Synchronous Playback

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[illegible]

Design Approach

[illegible]

Record Clients

[illegible]

[illegible] `XRecordContext` [illegible]

[illegible]

[illegible]

- `XRecordQueryVersion`

  [illegible]

- `XRecordCreateContext`

  [illegible] `XRecord-Context` [illegible]

- `XRecordEnableContext`

  [illegible]

- `XRecordDisableContext`

  [illegible]

- `XRecordFreeContext`

  [illegible]

[illegible] `X11/extensions/record.h` [illegible] `Xtst` [illegible] `XRecord` [illegible]

Chapter 2. Common Arguments

[illegible] XRecordCreateContext [illegible] XRecordRegisterClients [illegible]

- [illegible]
- [illegible]

[illegible]

[illegible] XRecordCreateContext [illegible] XRecordRegisterClients [illegible]

Datum Flags

[illegible]

[illegible] XRecordFromServerTime [illegible] XRecordInterceptData [illegible] XRecordFromServer [illegible]

[illegible] XRecordFromClientTime [illegible] XRecordInterceptData [illegible] XRecordFromClient [illegible]

[illegible] XRecordFromClientSequence [illegible] XRecordInterceptData [illegible] XRecordFromClient [illegible] XRecordClientDied [illegible]

Selecting Clients

[illegible] XRecordClientSpec [illegible] XRecordClientSpec [illegible]

[illegible] BadMatch [illegible] XRecordCurrentClients [illegible] XRecordFutureClients [illegible] XRecordAllClients [illegible]

[illegible]

[illegible] `XRecordCurrentClients` [illegible] `XRecordFutureClients` [illegible] `XRecordAllClients` [illegible] `XRecordCurrentClients` [illegible] `XRecordAllClients` [illegible]

Protocol Ranges

[illegible] `XRecordCreateContext` [illegible] `XRecordRegisterClients` [illegible] `XRecordRange` [illegible] `XRecordRange` [illegible] `XRecordAllocRange` [illegible]

[illegible] `XRecordRange` [illegible]

[illegible]

[illegible] `XRecordRange` [illegible] `XRecordRange8` [illegible]

[illegible]

[illegible] `XRecordRange16` [illegible]

[illegible]

[illegible] `XRecordExtRange` [illegible]

[illegible]

?[illegible])[illegible]'[illegible]-[illegible]True[illegible]-[illegible]*[illegible]M[illegible]*[illegible]-[illegible]-[illegible]*[illegible]%[illegible]*[illegible] *[illegible]*[illegible] False[illegible] [illegible]-[illegible]*[illegible] %[illegible] [illegible]*[illegible] [illegible]*[illegible]*[illegible] [illegible] [illegible] [illegible]*[illegible]-[illegible] [illegible] [illegible] XRecordRange

Chapter 3. Library Extension Requests

[illegible] `BadAlloc` [illegible] `BadLength` [illegible]

Query Extension Version

[illegible] `XRecordQueryVersion` [illegible]

`Status` **`XRecordQueryVersion`**`(` *`*display`*`,` *`cmajor_return`*`,` *`cminor_return`*`);`

[illegible]

[illegible]

[illegible]

[illegible] `XRecordQueryVersion` [illegible] `XRecordQueryVersion` [illegible]

Create and Modify Context

[illegible] `XRecordCreateContext` [illegible]

`XRecordContext` **`XRecordCreateContext`**`(` *`*display`*`,` *`datum_flags`*`,` *`*clients`*`,` *`nclients`*`,` *`*ranges`*`,` *`nranges`*`);`

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] `XRecordCreateContext` [illegible] `XRecordContext` [illegible]

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Additions

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`Status` **`XRecordRegisterClients`**`(` *`*display`*`,` *`context`*`,` *`datum_flags`*`,` *`*clients`*`,` *`nclients`*`,` *`*ranges`*`,` *`nranges`*`);`

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XRecordRegisterClients□*□□□!□□□□□□□XRecordBadContext□BadMatch□□□□BadValue□□□□□□□□

Deletions

[illegible] `XRecordUnregisterClients` [illegible]

Status **XRecordUnRegisterClients**(**display*, *context*, **clients*, *nclients*);

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] `XRecordCurrentClients` [illegible]

[illegible] `XRecordFutureClients` [illegible]

[illegible] `XRecordAllClients` [illegible]

`XRecordUnregisterClients` [illegible]

`XRecordUnregisterClients` [illegible] `XRecordBadContext`, `BadMatch` [illegible] `BadValue` [illegible]

Query Context State

[illegible] `XRecordGetContext` [illegible]

Status **XRecordGetContext**(**display*, *context*, ***state_return*);

[illegible]

[illegible]

[illegible]

[illegible] `XRecordState` [illegible] `XRecordGetContext` [illegible]

[illegible]

[illegible] `True` [illegible] `False` [illegible] `XRecordClientInfo` [illegible] `XRecordClientInfo` [illegible] `XRecordClientInfo` [illegible]

[illegible]

[illegible] `XRecordFutureClients` [illegible] `XRecordRange` [illegible]

`XRecordGetContext` [illegible] `XRecordContext` [illegible] `XRecordBadContext` [illegible]

[illegible] `XRecordFreeState` [illegible] `XRecordGetContext`

```
void XRecordFreeState( *state);
```

[illegible]

`XRecordFreeState` [illegible] `XRecordState` [illegible] `XRecordGetContext` [illegible] `XRecordFreeState` [illegible]

Data Transfer

[illegible] `XRecordEnableContext` [illegible] `XRecordDisableContext` [illegible]

Enable Context

[illegible] `XRecordEnableContext` [illegible]

XRecordInterceptData

XRecordStartOfData
XRecordFromServer XRecordFromClient XRecordClientStarted XRecordClient-
Died XRecordEndOfData XRecordStartOfData
XRecordFromClient
XRecordFromServer
XRecordClientStarted
XRecordClientDied
XRecordEndOfData

True
False
XRecordStartOfData XRecordEndOfData

XRecordStartOfData XRecordClientDied XRecordEndOfData

KeyPress KeyRelease ButtonPress ButtonRelease
MotionNotify

[illegible] DeviceKeyPress [illegible] DeviceKeyRelease [illegible] DeviceButtonPress [illegible] DeviceButtonRelease [illegible] DeviceMotionNotify [illegible] ProximityIn [illegible] ProximityOut [illegible] DeviceValuator [illegible]

[illegible]

[illegible] XRecordInterceptProc [illegible]

```
typedef void (*XRecordInterceptProc)( closure,  *recorded_data);
```

[illegible]

[illegible]

[illegible]

[illegible] XRecordFreeData [illegible] XRecordInterceptData [illegible]

```
Status XRecordEnableContext( *display,  context,  callback,  closure);
```

[illegible]

[illegible]

[illegible]

[illegible]

XRecordEnableContext [illegible]

XRecordEnableContext [illegible] XRecordContext [illegible] XRecordBadContext [illegible] BadMatch [illegible]

Enable Context Asynchronously

[illegible] XRecordEnableContext [illegible] XRecordDisableContext [illegible] XRecor- [illegible] dEnableContext [illegible]

[illegible]

Status **XRecordEnableContextAsync**(**display*, *context*, *callback*, *closure*);

[illegible]

[illegible]

[illegible]

[illegible]

XRecordEnableContextAsync [illegible] XRecordEnableContext [illegible] XRecordEnableContext [illegible] XRecordEnableContextAsync [illegible] XRecordStartOfData [illegible]

XRecordEnableContextAsync [illegible] XRecordContext [illegible] XRecordBadContext [illegible] BadMatch [illegible]

[illegible] XRecordProcessReplies [illegible]

void **XRecordProcessReplies**(**display*);

[illegible]

XRecordProcessReplies [illegible] XRecordProcessReplies [illegible]

[illegible] XRecordInterceptProc [illegible] XRecordFreeData

void **XRecordFreeData**(**data*);

[illegible]

XRecordFreeData [illegible] XRecordInterceptData [illegible] XRecordInterceptProc [illegible] XRecordFreeData [illegible]

Disable Context

[illegible] XRecordDisableContext [illegible]

`Status` **`XRecordDisableContext`**`(` *`*display`*`,` *`context`*`);`

[illegible]

[illegible]

[illegible] XRecordDisableContext [illegible] XRecordContext [illegible]

XRecordDisableContext [illegible] XRecordContext [illegible] XRecordBadContext [illegible]

ID Base Mask

[illegible] XRecordIdBaseMask

`XID` **`XRecordIdBaseMask`**`(` *`*display`*`);`

[illegible]

[illegible] XRecordIdBaseMask [illegible]

Free Context

[illegible] XRecordFreeContext [illegible]

`Status` **`XRecordFreeContext`**`(` *`*display`*`,` *`context`*`);`

[illegible]

[illegible]

[illegible] XRecordFreeContext [illegible] XRecordDisableContext [illegible]

XRecordFreeContext [illegible] XRecordContext [illegible] XRecordBadContext [illegible]