X11 Screen Saver Extension

MIT X Consortium Proposed Standard

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Errors

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Requests

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[illegible] QueryTree [illegible]

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Events

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[illegible] `ScreenSaverSelectInput` [illegible]

[illegible] `ScreenSaverQueryInfo` [illegible]

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Chapter 6. Encoding

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[illegible]

Common Types

```
SETofSCREENSAVEREVENT
     #x00000001     ScreenSaverNotifyMask
     #x00000002     ScreenSaverCycleMask
```

Requests

ScreenSaverQueryVersion

```
1      CARD8                      screen saver opcode
1      0                          minor opcode
2      2                          request length
1      CARD8                      client major version
1      CARD8                      client minor version
2                                 unused
->
1      1                          Reply
1                                 unused
2      CARD16                     sequence number
4      0                          reply length
1      CARD8                      server major version
1      CARD8                      server minor version
22                                unused
```

ScreenSaverQueryInfo

```
1      CARD8                      screen saver opcode
1      1                          minor opcode
2      2                          request length
4      DRAWABLE                   drawable associated with screen
->
1      1                          Reply
1      CARD8                      state
       0          Off
       1          On
       3          Disabled
2      CARD16                     sequence number
4      0                          reply length
4      WINDOW                     saver window
4      CARD32                     milliseconds until saver or since saver
4      CARD32                     milliseconds since last user device input
4      SETofSCREENSAVEREVENT      event mask
1      CARD8                      kind
```

```
     0          Blanked
     1          Internal
     2          External
10              unused
```

ScreenSaverSelectInput

```
1     CARD8                     screen saver opcode
1     2                         minor opcode
2     3                         request length
4     DRAWABLE                  drawable associated with screen
4     SETofSCREENSAVEREVENT     event mask
```

ScreenSaverSetAttributes

```
1     CARD8                     screen saver opcode
1     3                         minor opcode
2     6+n                       request length
4     DRAWABLE                  drawable associated with screen
2     INT16                     x
2     INT16                     y
2     CARD16                    width
2     CARD16                    height
2     CARD16                    border-width
1                               class
      0          CopyFromParent
      1          InputOutput
      2          InputOnly
1     CARD8                     depth
4     VISUALID                  visual
      0          CopyFromParent
4     BITMASK                   value-mask (has n bits set to 1)
      encodings are the same as for core CreateWindow
4n    LISTofVALUE               value-list
      encodings are the same as for core CreateWindow
```

ScreenSaverUnsetAttributes

```
1     CARD8                     screen saver opcode
1     4                         minor opcode
2     3                         request length
4     DRAWABLE                  drawable associated with screen
```

Events

ScreenSaverNotify

```
1     CARD8                     code assigned by core
1     CARD8                     state
      0          Off
      1          On
      2          Cycle
2     CARD16                    sequence number
4     TIMESTAMP                 time
4     WINDOW                    root
4     WINDOW                    screen saver window
```

```
1      CARD8                    kind
       0           Blanked
       1           Internal
       2           External
1      BOOL                     forced
14                              unused
```

Chapter 7. Inter-Client Communications Conventions

[illegible]

Chapter 8. C language binding

[illegible]

[illegible]

```
Bool XScreenSaverQueryExtension(*display, *event_base, *error_base);
```

[illegible] ScreenSaverNotify [illegible]

```
Status XScreenSaverQueryVersion(*display, *major, *minor);
```

[illegible]

[illegible]

[illegible]

[illegible] XScreenSaverQueryInfo [illegible] XFree

```
Status XScreenSaverQueryInfo(*display, drawable, *saver_info);
```

[illegible] XScreenSaverInfo [illegible]

```
typedef struct {
    Window window;                /* screen saver window */
    int state;                    /* ScreenSaver{Off,On,Disabled} */
    int kind;                     /* ScreenSaver{Blanked,Internal,External} */
    unsigned long til_or_since;   /* milliseconds */
    unsigned long idle;           /* milliseconds */
    unsigned long event_mask;     /* events */
} XScreenSaverInfo;
```

[illegible] ScreenSaverQueryInfo [illegible]

```
void XScreenSaverSelectInput(*display, drawable, event_mask);
```

[illegible]

```
typedef struct {
    int type;               /* of event */
    unsigned long serial;   /* # of last request processed by server */
    Bool send_event;        /* true if this came frome a SendEvent request */
    Display *display;       /* Display the event was read from */
    Window window;          /* screen saver window */
    Window root;            /* root window of event screen */
    int state;              /* ScreenSaver{Off,On,Cycle} */
    int kind;               /* ScreenSaver{Blanked,Internal,External} */
    Bool forced;            /* extents of new region */
    Time time;              /* event timestamp */
} XScreenSaverNotifyEvent;
```

[illegible] `ScreenSaverSelectInput` [illegible]

`void` **`XScreenSaverSetAttributes`**`(`*`*dpy, drawable, x, y, width, height, border_width, depth, class, *visual, valuemask, *attributes`*`);`

[illegible] `ScreenSaverSetAttributes` [illegible]

`void` **`XScreenSaverUnsetAttributes`**`(`*`*display, drawable`*`);`

[illegible]

`Status` **`XScreenSaverRegister`**`(`*`*display, screen, xid, type`*`);`

[illegible]

`Status` **`XScreenSaverUnregister`**`(`*`*display, screen`*`);`

[illegible] `_SCREEN_SAVER_ID` [illegible]

`Status` **`XScreenSaverGetRegistered`**`(`*`*display, screen, *xid, *type`*`);`

[illegible]