

# Functions

## Comparator Functions

Compare two sets of data as arrays of various types and return their ordering

|     |  |
|-----|--|
| int | <b>IXCompareBytes</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )              |
| int | <b>IXCompareUnsignedBytes</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )      |
| int | <b>IXCompareShorts</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )             |
| int | <b>IXCompareUnsignedShorts</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )     |
| int | <b>IXCompareLongs</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )              |
| int | <b>IXCompareUnsignedLongs</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )      |
| int | <b>IXCompareFloats</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )             |
| int | <b>IXCompareDoubles</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )            |
| int | <b>IXCompareShort</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )              |
| int | <b>IXCompareUnsignedShort</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )      |
| int | <b>IXCompareLong</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )               |
| int | <b>IXCompareUnsignedLong</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )       |
| int | <b>IXCompareFloat</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )              |
| int | <b>IXCompareDouble</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )             |
| int | <b>IXCompareStringAndUnsigneds</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> ) |
| int | <b>IXCompareUnsignedAndStrings</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> ) |
| int | <b>IXCompareStrings</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )            |
| int | <b>IXCompareMonocaseStrings</b> (const void <i>*data1</i> , unsigned short <i>length1</i> , const void <i>*data2</i> , unsigned short <i>length2</i> , const void <i>*context</i> )    |

## Comparison Format Functions

Compare two arrays of data based on a type encoding and return their ordering

int

IXFormatComparator(const void \*data1, unsigned short length1, const void \*data2, unsigned short length2, void \*format)

## IXBTree Locking Macros

Lock and unlock an IXBTree for thread-safe access

void

IXLockBTreeMutex(IXBTree \*aBTree)

void

IXUnlockBTreeMutex(IXBTree \*aBTree)

## IXStoreBlock Archiving Functions

Archive or unarchive an object to or from an IXStore

unsigned int

IXWriteRootObjectToStore(IXStore \*aStore, unsigned int aHandle, id anObject)

id

IXReadObjectFromStore(IXStore \*aStore, unsigned int aHandle, NXZone \*aZone)