

# IXTransientAccess

**Adopted By:** IXRecordManager

**Declared In:** indexing/protocols.h

## Protocol Description

The IXTransientAccess protocol defines a set of methods for retrieving the values of the instance variables of records stored in a repository. It's useful for getting these values without explicitly instantiating the stored records. All of the methods perform type casting, if necessary; for example, it's meaningful to request the integer value of a floating-point instance variable.

## Instance Methods

### **getDoubleValue:ofIvar:forRecord:**

- (BOOL)**getDoubleValue:**(double \*)*aValue*

**ofIvar:**(const char \*)*ivarName*

**forRecord:**(unsigned int)*aHandle*

Returns by reference the value of the instance variable *ivarName* from the record identified by *aHandle*. The value of *ivarName* is returned as a double-precision floating-point number. Returns YES if the value is successfully retrieved, NO otherwise.

### **getFloatValue:ofIvar:forRecord:**

- (BOOL)**getFloatValue:**(float \*)*aValue*

**ofIvar:**(const char \*)*ivarName*

**forRecord:**(unsigned int)*aHandle*

Returns by reference the value of the instance variable *ivarName* from the record identified by *aHandle*. The value of *ivarName* is returned as a single-precision floating-point number. Returns YES if the value is successfully retrieved, NO otherwise.

### **getIntValue:ofIvar:forRecord:**

- (BOOL)**getIntValue:**(int \*)*aValue*

**ofIvar:**(const char \*)*ivarName*

**forRecord:**(unsigned int)*aHandle*

Returns by reference the value of the instance variable *ivarName* from the record identified by *aHandle*. The value of *ivarName* is returned as an integer. Returns YES if the value is successfully retrieved, NO otherwise.

### **getObjectValue:ofIvar:forRecord:**

- (BOOL)**getObjectValue:**(Object \*\*)*aValue*

**ofIvar:**(const char \*)*ivarName*

**forRecord:**(unsigned int)*aHandle*

Returns by reference the value of the instance variable *ivarName* from the record identified by

*aHandle*. The value of *ivarName* is returned as an Objective C object. Returns YES if the value is successfully retrieved, NO otherwise.

### **getOpaqueValue:ofIvar:forRecord:**

- (BOOL)**getOpaqueValue:**(NXData \*\*)*aValue*

**ofIvar:**(const char \*)*ivarName*

**forRecord:**(unsigned int)*aHandle*

Returns by reference the value of the instance variable *ivarName* from the record identified by *aHandle*. The value of *ivarName* is returned as an instance of class NXData. Returns YES if the value is successfully retrieved, NO otherwise.

### **getStringValue:ofIvar:forRecord:**

- (BOOL)**getStringValue:**(char \*\*)*aValue*

**ofIvar:**(const char \*)*ivarName*

**forRecord:**(unsigned int)*aHandle*

Returns by reference the value of the instance variable *ivarName* from the record identified by *aHandle*. The value of *ivarName* is returned as a string. Returns YES if the value is successfully retrieved, NO otherwise. The sender is responsible for freeing the string.

### **getStringValue:inLength:ofIvar:forRecord:**

- (BOOL)**getStringValue:**(char \*\*)*aValue*

**inLength:**(unsigned int)*aLength*

**ofIvar:**(const char \*)*ivarName*

**forRecord:**(unsigned int)*aHandle*

Returns by reference the value of the instance variable *ivarName* from the record identified by *aHandle*. The value of *ivarName* is returned by copy as a string in the supplied buffer, truncated if needed to fit within *length* bytes (including the terminating null character). Returns YES if the value is successfully retrieved, NO otherwise.