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sceLiveAreaReplaceAllSync

Request for update of all the definitions (blocking version)

Definition

Arguments

dirpath Directory path that contains LiveArea™ resource XML

Return Values

Returns SCE_LIVEAREA_OK(0) for success. Returns an error code (negative value) for errors. The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	(Number)	Description
SCE_LIVEAREA_ERROR_PARAM	0x80104002	- dirpath is NULL
	_ \ \ \	The length of dirpath exceeds
	\mathcal{O}_{Λ}	SCE_LIVEAREA_MAX_FS_PATH_LEN (255)
SCE_LIVEAREA_ERROR_XML_NOT_FOUND	0x80104003	LiveArea™ resource XML placed
		under the specified directory cannot
		be opened.
		Check whether the file exists in the
		directory.
SCE_LIVEAREA_ERROR_XML_FORMAT	0x80104004	Format of LiveArea™ resource XML
		is invalid
SCE_LIVEAREA_ERROR_FILE_NOT_FOUND	0x80104005	Referenced file is not found
SCE_LIVEAREA_ERROR_FILE_TOTAL_SIZE	0x80104007	Total size of referenced files exceeds
		the maximum value
SCE_LIVEAREA_ERROR_FILE_FORMAT	0x80104008	Format of a referenced file is invalid
		or is not supported
SCE_LIVEAREA_ERROR_DIRPATH	0x8010400b	Cannot access dirpath
SCE_LIVEAREA ERROR_INTERNAL	0x801040ff	Unexpected error occurred on the
		system side

Description

This function requests the system to update all the LiveAreaTM resource XML. For the XML description method for update, refer to the "XML Specifications for LiveAreaTM Update" chapter in the "LiveAreaTM Specifications" document.

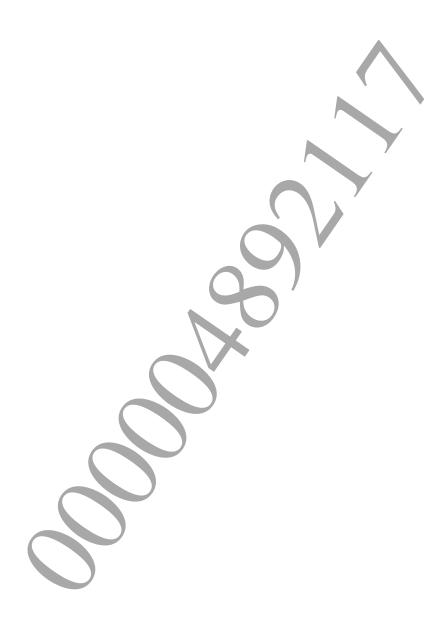
Specify the directory path that contains the LiveAreaTM resource XML for *dirpath*. This function is a blocking function and returns after the processing is completed.

Notes

This function is multithread safe.

Required time for an update processing depends on the content of LiveAreaTM resource XML.

Examples



sceLiveAreaReplaceAllAsync

Request for update of all the definitions (non-blocking version)

Definition

Arguments

dirpath Directory path that contains LiveArea™ resource XML

Return Values

Returns SCE_LIVEAREA_OK(0) for success. Returns an error code (negative value) for errors. The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	(Number)	Description
SCE_LIVEAREA_ERROR_STATE	0x80104001	Update processing has been already requested
SCE_LIVEAREA_ERROR_PARAM	0x80104002	- dirpath is NULL
		- The length of dirpath exceeds
		SCE_LIVEAREA_MAX_FS_PATH_LEN(255)
SCE_LIVEAREA_ERROR_INTERNAL	0x801040ff	Unexpected error occurred on the system side

Description

This function requests the system to update all the LiveAreaTM resource XML. For the XML description method for update, refer to the "XML Specifications for LiveAreaTM Update" chapter in the "LiveAreaTM Specifications" document.

Specify the directory path that contains the LiveAreaTM resource XML for dirpath. This function will immediately return upon starting processing with non-blocking, and actual processing is performed on the system side asynchronously.

Notes

This function is multithread safe.

Required time for an asynchronous update processing depends on the content of LiveArea TM resource XML.

A processing state and a processing result on the system side can be obtained with sceLiveAreaGetStatus().

Examples

See Also

sceLiveAreaGetStatus()

sceLiveAreaUpdateFrameSync

Request update of specified frame (blocking version)

Definition

Arguments

formatVer Format version written in LiveAreaTM resource XML

frameXmlStr Character string where the "frame" tag of LiveArea™ resource XML is written

frameXmlLen Size of frameXmlStr

dirpathTop Directory path that contains an image file

Whether the frame update is discarded after the application terminates

Return Values

Returns SCE_LIVEAREA_OK(0) for success. Returns an error code (negative value) for errors. The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	(Number)	Description
SCE_LIVEAREA_ERROR_PARAM	0x80104002	- frameXm1Str is NULL - dirpathTop is NULL or the length of dirpathTop exceeds SCE_LIVEAREA_MAX_FS_PATH_LEN(2 55) - flag is invalid
SCE_LIVEAREA_ERROR_XML_FORMAT	0x80104004	Format of frameXmlStr is invalid
SCE_LIVEAREA_ERROR_FILE_NOT_FOUND	0x80104005	Referenced file is not found
SCE_LIVEAREA_ERROR_FILE_TOTAL_SIZ	0x80104007	Total size of referenced files exceeds the
		maximum value
SCE_LIVEAREA_ERROR_FILE_FORMAT	0x80104008	Format of a referenced file is invalid or is
		not supported
SCE_LIVEAREA_ERROR_XML_SIZE	0x80104009	- frameXmlLen exceeds SCE_LIVEAREA_MAX_FRAME_STR_LEN (10239) - frameXmlLen is negative and the length of frameXmlStr exceeds SCE_LIVEAREA_MAX_FRAME_STR_LEN (10239)
SCE_LIVEAREA_ERROR_FRAME_NOT_FOUN D	0x8010400a	Specified frameId does not exist
SCE_LIVEAREA_ERROR_DIRPATH	0x8010400b	Cannot access dirpathTop
SCE_LIVEAREA_ERROR_INTERNAL	0x801040ff	Unexpected error occurred on the
		system side

Description

This function makes a request for partial update of the content information zone to the system.

Specify SCE LIVEAREA FORMAT VER CURRENT in formatVer.

Specify the "frame" tag character string of the frame to be updated in frameXmlStr.

In frameXmlLen, specify the length of frameXmlStr (that is (=strlen(frameXmlStr))). If a negative value is set, length will be calculated by the system.

Specify the directory path that contains an image file for <code>dirpathTop</code>.

In flag, specify either SCE_LIVEAREA_FLAG_NONE (0) or SCE_LIVEAREA_FLAG_TEMP (1). If SCE_LIVEAREA_FLAG_TEMP (1) is specified, the state before frame update will be restored once the user closes LiveAreaTM.

When creating character strings of "**frame**" tag in a program, add escape processing to replace the XML's special symbols ("", """, "&", "<", ">") with escape sequences ("'", """, "&", "<", ">"). This function is a blocking function and returns after the processing is completed.

Notes

This function is multithread safe.

Required time for an update processing depends on the content of frameXmlStr.

Examples

sceLiveAreaUpdateFrameAsync

Request update of specified frame (non-blocking version)

Definition

Arguments

formatVer Format version written in LiveAreaTM resource XML frameXmlStr Character string where the "frame" tag of LiveAreaTM resource XML is written

frameXmlLen Size of frameXmlStr

dirpathTop Directory path that contains an image file

Whether the frame update is discarded after the application terminates

Return Values

Returns SCE_LIVEAREA_OK(0) for success. Returns an error code (negative value) for errors. The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	(Number)	Description
SCE_LIVEAREA_ERROR_STATE	0x80104001	Update processing has been already requested
SCE_LIVEAREA_ERROR_PARAM	0x80104002	- frameXmlStris NULL
		- dirpathTop is NULL or the length of
	•	dirpathTop exceeds
		SCE_LIVEAREA_MAX_FS_PATH_LEN(255) - flag is invalid
SCE_LIVEAREA_ERROR_XML_SIZE	0x80104009	- frameXmlLen exceeds
		SCE_LIVEAREA_MAX_FRAME_STR_LEN (10239)
		- frameXmlLen is negative and the length of
		frameXmlStr exceeds
		SCE_LIVEAREA_MAX_FRAME_STR_LEN (10239)
SCE_LIVEAREA_ERROR_INTERNAL	0x801040ff	Unexpected error occurred on the system side

Description

This function makes a request for partial update of the content information zone to the system.

Specify SCE LIVEAREA FORMAT VER CURRENT in formatVer.

Specify the "frame" tag character string of the frame to be updated in frameXmlStr.

In frameXmlLen, specify the length of frameXmlStr (that is (=strlen(frameXmlStr))). If a negative value is set, length will be calculated by the system.

Specify the directory path that contains an image file for dirpathTop.

In flag, specify either SCE_LIVEAREA_FLAG_NONE (0) or SCE_LIVEAREA_FLAG_TEMP (1). If SCE_LIVEAREA_FLAG_TEMP (1) is specified, the state before frame update will be restored once the user closes LiveAreaTM.

When creating character strings of "**frame**" tag in a program, add escape processing to replace the XML's special symbols ("", """, "&", "<", ">") with escape sequences ("'", """, "&", "<", ">"). This function will immediately return upon starting processing with non-blocking, and actual processing is performed on the system side asynchronously.

Notes

This function is multithread safe.

Required time for an asynchronous update processing depends on the content of frameXmlStr.

A processing state and a processing result on the system side can be obtained with sceLiveAreaGetStatus().

Examples

See Also

sceLiveAreaGetStatus()

sceLiveAreaGetStatus

Get update processing state and result

Definition

#include sceInt32 sceLiveAreaGetStatus();

Arguments

None

Return Values

Returns one of the following processing states or processing results (error code). Note, however, that the application must not malfunction even if other error codes are returned.

Value	(Number)	Description
SCE_LIVEAREA_OK	0	Update processing is successfully
	`	completed
SCE_LIVEAREA_BUSY	1	Update is in progress
	()	Perform a retry on the calling side as
		necessary
SCE_LIVEAREA_ERROR_STATE	0x80104001	Called with no update request
SCE_LIVEAREA_ERROR_XML_NOT_FOUND	0x80104003	LiveArea™ resource XML placed
		under the specified directory cannot
		be opened.
	,	Check whether the file exists in the
		directory.
SCE_LIVEAREA_ERROR_XML_FORMAT	0x80104004	Format of LiveArea TM resource XML is
		invalid
SCE_LIVEAREA_ERROR_FILE_NOT_FOUND	0x80104005	Referenced file is not found
SCE_LIVEAREA_ERROR_FILE_TOTAL_SIZE	0x80104007	Total size of referenced files exceeds
		the maximum value
SCE_LIVEAREA_ERROR_FILE_FORMAT	0x80104008	Format of a referenced file is invalid or
		is not supported
SCE_LIVEAREA_ERROR_FRAME_NOT_FOUND	0x8010400a	Specified frameId does not exist
SCE_LIVEAREA_ERROR_DIRPATH	0x8010400b	Cannot access the directory path
SCE_LIVEAREA_ERROR_INTERNAL	0x801040ff	Unexpected error occurred on the
		system side

Description

This function obtains an update processing state and a processing result and returns immediately after being called.

If the return value is SCE_LIVEAREA_BUSY(1), perform a retry until either SCE_LIVEAREA_OK(0) or an error (negative value) is returned. Make sure to perform a retry at a certain interval so as to avoid busy loop (a state where a thread performing a retry continues to occupy a CPU, and consequently other threads cannot use the CPU for processing).

Notes

This function is multithread safe.

It is not possible to obtain a decode error of an image referred by the LiveAreaTM resource XML or a size limitation error after loading into a memory. Verify if the LiveAreaTM is displayed as expected by checking the actual LiveAreaTM after completion of the update processing.

Examples

See Also

sceLiveAreaReplaceAllAsync(), sceLiveAreaUpdateFrameAsync()



sceLiveAreaGetRevision

Get "content-rev" attribute specified with LiveArea™ resource XML's "livearea" tag

Definition

Arguments

contentRev Revision for user contents to be obtained

Return Values

Returns SCE_LIVEAREA_OK(0) for success. Returns an error code (negative value) for errors. The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	(Number)	Description
SCE_LIVEAREA_OK	0	Obtaining processing completed successfully
SCE_LIVEAREA_ERROR_PARAM	0x80104002	contentRev is NULL
SCE_LIVEAREA_ERROR_INTERNAL	0x801040ff	Unexpected error occurred on the system side

Description

This function obtains the "content-rev" attribute specified with LiveArea™ resource XML's "livearea" tag. This is a blocking function.

Notes

This function is multithread safe.

Examples

sceLiveAreaGetFrameRevision

Get the "rev" attribute specified with LiveArea™ resource XML's "frame" tag

Definition

Arguments

frameId "id" character string of the frame to be obtained revision Revision for user contents to be obtained

Return Values

Returns SCE_LIVEAREA_OK(0) for success. Returns an error code (negative value) for errors. The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	(Number)	Description
SCE_LIVEAREA_OK	0	Update processing completed
		successfully
SCE_LIVEAREA_ERROR_PARAM	0x80104002	-frameIdisNULL
		- revision is NULL
SCE_LIVEAREA_ERROR_FRAME_NOT_FOUND	0x8010400a	The frame specified with frameId
		does not exist
SCE_LIVEAREA_ERROR_INTERNAL	0x801040ff	Unexpected error occurred on the
		system side

Description

This function obtains the "rev" attribute specified with LiveArea $^{\text{TM}}$ resource XML's "frame" tag. This is a blocking function.

Notes

This function is multithread safe.

Examples

sceLiveAreaGetFrameUserData

Get the "userdata" attribute specified with LiveArea™ resource XML's "frame" tag

Definition

Arguments

stranger of the frame to be obtained

userData

Buffer for character strings of the userdata to be obtained

Dunct for character strings of the discredita to be obtained

userDataSize Size of userData

Return Values

Returns SCE_LIVEAREA_OK(0) for success. Returns an error code (negative value) for errors. The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	(Number)	Description
SCE_LIVEAREA_OK	0	Update processing completed successfully
SCE_LIVEAREA_ERROR_	0x80104002	-frameIdis NULL
PARAM		- userData is NULL
		-userDataSizeis0
SCE_LIVEAREA_ERROR_	0x8010400a	The frame specified with frameId does not exist
FRAME_NOT_FOUND		
SCE_LIVEAREA_ERROR_	0x801040ff	Unexpected error occurred on the system side
INTERNAL		

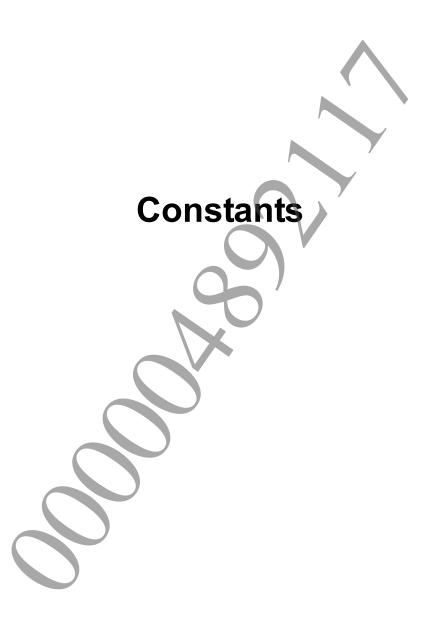
Description

This function obtains the "userdata" attribute specified with LiveAreaTM resource XML's "frame" tag. This is a blocking function. NULL is set for the character string termination of the obtained userdata. The maximum obtainable length of userdata is SCE_LIVEAREA_MAX_USER_DATA_LEN (1023). When obtaining maximum length userdata, set a buffer of 1024 bytes (including NULL termination) in userData, and set userDataSize to 1024.

Notes

This function is multithread safe.

Examples



Return Codes

List of return codes returned by libLiveArea

Definition

Value	(Number)	Description
SCE_LIVEAREA_OK	0	Succeeded
SCE_LIVEAREA_BUSY	1	Processing is in progress
SCE_LIVEAREA_ERROR_STATE	0x80104001	State is not appropriate to be called
SCE_LIVEAREA_ERROR_PARAM	0x80104002	Invalid argument
SCE_LIVEAREA_ERROR_XML_NOT_FOUND	0x80104003	LiveArea™ resource XML placed
		under the specified directory cannot
		be opened.
		Check whether the file exists in the
		directory.
SCE_LIVEAREA_ERROR_XML_FORMAT	0x80104004	Format of LiveArea™ resource XML
		is invalid
SCE_LIVEAREA_ERROR_FILE_NOT_FOUND	0x80104005	Referenced file is not found
SCE_LIVEAREA_ERROR_FILE_NUM	0x80104006	Number of referenced files exceeds
		the maximum value
SCE_LIVEAREA_ERROR_FILE_TOTAL_SIZE	0x80104007	Total size of referenced files exceeds
		the maximum value
SCE_LIVEAREA_ERROR_FILE_FORMAT	0x80104008	Format of a referenced file is invalid
		or is not supported
SCE_LIVEAREA_ERROR_XML_SIZE	0x80104009	Size of XML exceeds the maximum
		value
SCE_LIVEAREA_ERROR_FRAME_NOT_FOUND	0x8010400a	frameId does not exist
SCE_LIVEAREA_ERROR_DIRPATH	0x8010400b	Cannot access the directory path
SCE_LIVEAREA_ERROR_INTERNAL	0x801040ff	Unexpected error occurred on the
		system side