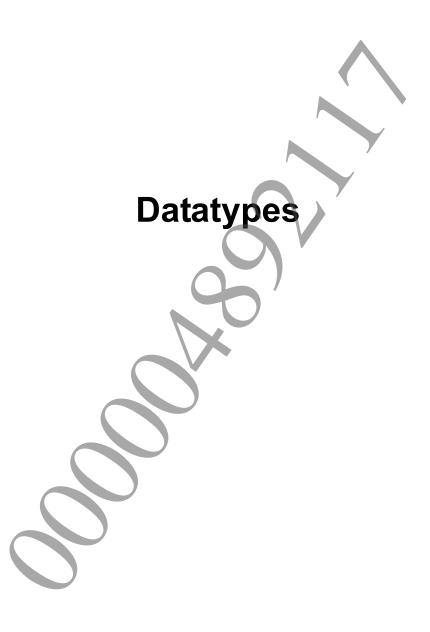


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Define Summary	



SceVoiceQoSAttributeId

Attribute identifiers.

Definition

```
#include <voice_qos.h>
typedef enum SceVoiceQoSAttributeId {
    SCE_VOICE_QOS_ATTR_MIC_VOLUME,
    SCE_VOICE_QOS_ATTR_MIC_MUTE,
    SCE_VOICE_QOS_ATTR_SPEAKER_VOLUME,
    SCE_VOICE_QOS_ATTR_SPEAKER_MUTE,
    SCE_VOICE_QOS_ATTR_DESIRED_OUT_BIT_RATE,
    SCE_VOICE_QOS_ATTR_MIC_ACTIVE
} SceVoiceQoSAttributeId;
```

Enumeration Values

Macro	Value	Description
SCE_VOICE_QOS_ATTR_MIC_VOLUME	N/A	Local endpoint attribute for
	,	microphone volume. Type float with
		value from 0 and up.
SCE_VOICE_QOS_ATTR_MIC_MUTE	N/A	Local endpoint attribute for
	\ \ \	microphone mute. Type uint16_t
	V	with true to enable mute, false (0) to
		disable mute.
SCE_VOICE_QOS_ATTR_SPEAKER_VOLUME	N/A	Local endpoint attribute for speaker
	/	volume. Type float with value from
		0 and up.
SCE_VOICE_QOS_ATTR_SPEAKER_MUTE	N/A	Local endpoint attribute for speaker
		mute. Type uint16_t with true to
		enable mute, false (0) to disable mute.
SCE_VOICE_QOS_ATTR_DESIRED_OUT_BIT_RATE	N/A	Connection attribute out-going bit rate
		desired by a game. Type int with
		value from 0 and up. For better voice
		quality, set this value to a number
		larger than 3850.
SCE_VOICE_QOS_ATTR_MIC_ACTIVE	N/A	Local endpoint attribute for
		determining whether the microphone
		is active. This is a get-only attribute.
		Type uint32_t with 1 indicating that
		the microphone is active and 0
		indicating that it is not.

Description

Attribute identifiers.

SceVoiceQoSConnectionId

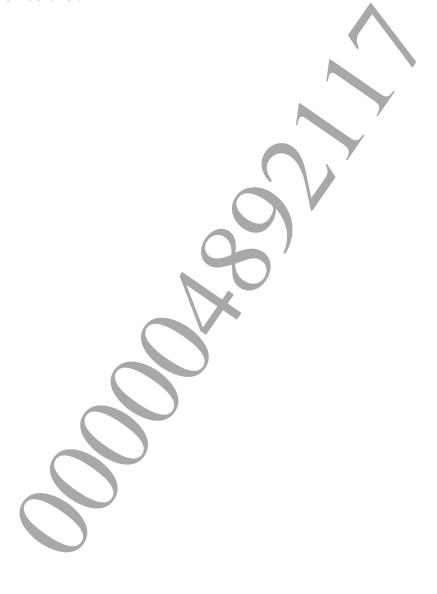
Connection identifier.

Definition

#include <voice_qos.h>
typedef int SceVoiceQoSConnectionId;

Description

Connection identifier.



SceVoiceQoSError

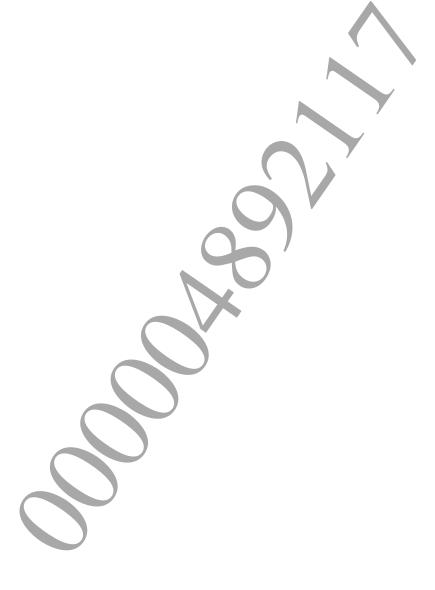
Error code.

Definition

#include <voice_qos.h>
typedef int SceVoiceQoSError;

Description

Error code.



SceVoiceQoSLocalId

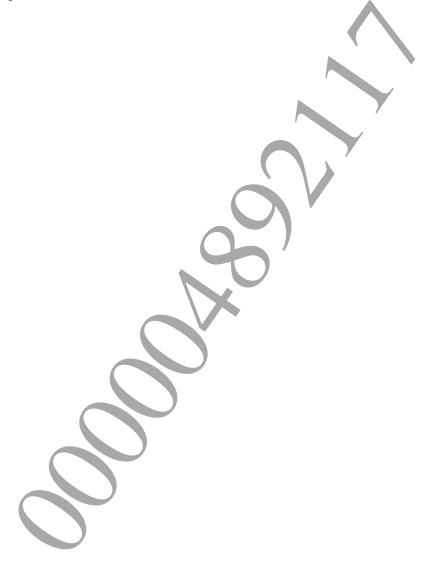
Local endpoint identifier.

Definition

#include <voice_qos.h>
typedef int SceVoiceQoSLocalId;

Description

Local endpoint identifier.



SceVoiceQoSRemoteId

Remote endpoint identifier.

Definition

#include <voice_qos.h>
typedef int SceVoiceQoSRemoteId;

Description

Remote endpoint identifier.



SceVoiceQoSStatusId

Status attribute identifier.

Definition

```
#include <voice_qos.h>
typedef enum SceVoiceQoSStatusId {
    SCE_VOICE_QOS_IN_BITRATE,
    SCE_VOICE_QOS_OUT_BITRATE,
    SCE_VOICE_QOS_OUT_READ_BITRATE,
    SCE_VOICE_QOS_IN_FRAME_RECEIVED_RATIO,
    SCE_VOICE_QOS_HEARTBEAT_FLAG
} SceVoiceQoSStatusId;
```

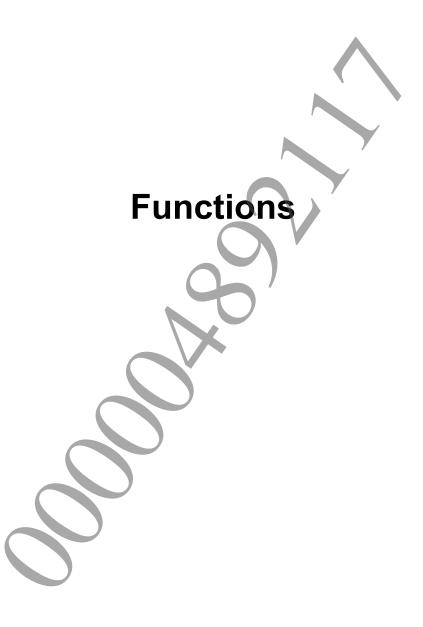
Enumeration Values

Macro	Value	Description
SCE_VOICE_QOS_IN_BITRATE	N/A	Current QoS (Quality of Service) voice-in
		codec rate per connection.
SCE_VOICE_QOS_OUT_BITRATE	N/A	Current QoS voice-out codec rate per
		connection.
SCE_VOICE_QOS_OUT_READ_BITRATE	N/A	Current QoS voice-out read bit rate by a
		game per connection.
SCE_VOICE_QOS_IN_FRAME_RECEIVED_RATIO	N/A	Ratio of frames received to total frames
		per connection, as a percentage (float).
SCE_VOICE_QOS_HEARTBEAT_FLAG	N/A	Whether or not there is a heartbeat
	/	between the connecting points.

Description

Status attribute identifier.





sceVoiceQoSConnect

Creates a connection between a local and remote endpoint.

Definition

Arguments

pConnectionId localId remoteId

[out] The returned connection identifier.

[in] The local endpoint identifier.

[in] The remote endpoint identifier.

Return Values

Value	Description
SCE_OK	Successful completion.
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been
	initialized.
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid
	argument.
SCE_VOICE_ERROR_LIBVOICEQOS_INTERNAL_UNRECOVERABLE	libvoiceQoS encountered an
	unrecoverable error.
SCE_VOICE_ERROR_LIBVOICEQOS_RESOURCE_USED	libvoiceQoS reached its resource
	limit.
SCE_VOICE_ERROR_LIBVOICE_XXX	Related errors from libvoice.

Description

Creates a connection between a local and remote endpoint. Only one connection may be made to each remote endpoint. Multiple connections may be made to each local endpoint.



sceVoiceQoSCreateLocalEndpoint

Creates a local endpoint.

Definition

Arguments

pLocalId

[out] The returned local endpoint identifier.

Return Values

Value	Description
SCE_OK	Successful completion.
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid
	argument.
SCE_VOICE_ERROR_LIBVOICEQOS_RESOURCE_USED	libvoiceQoS reached its resource limit.
SCE_VOICE_ERROR_LIBVOICE_XXX	Related errors from libvoice.

Description

Creates a local endpoint.



sceVoiceQoSCreateRemoteEndpoint

Creates a remote endpoint.

Definition

Arguments

pRemoteId

[out] The returned remote endpoint identifier.

Return Values

Value	Description
SCE_OK	Successful completion.
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid
	argument.
SCE_VOICE_ERROR_LIBVOICEQOS_RESOURCE_USED	libvoiceQoS reached its resource limit.
SCE_VOICE_ERROR_LIBVOICE_XXX	Related errors from libvoice.

Description

Creates a remote endpoint.



sceVoiceQoSDeleteLocalEndpoint

Deletes a local endpoint.

Definition

Arguments

localId

[in] The local endpoint identifier.

Return Values

Value	Description
SCE_OK	Successful completion.
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid
	argument.
SCE_VOICE_ERROR_LIBVOICE_XXX	Related errors from libvoice.

Description

Deletes a local endpoint.



sceVoiceQoSDeleteRemoteEndpoint

Deletes a remote endpoint.

Definition

Arguments

remoteId

[in] The remote endpoint identifier.

Return Values

Value	Description
SCE_OK	Successful completion.
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid
	argument.
SCE_VOICE_ERROR_LIBVOICE_XXX	Related errors from libvoice.

Description

Deletes a remote endpoint.



sceVoiceQoSDisconnect

Deletes a connection between a local and remote endpoint.

Definition

Arguments

connectionId [in

[in] The connection identifier.

Return Values

Value	Description
SCE_OK	Successful completion.
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid
	argument.
SCE_VOICE_ERROR_LIBVOICE_XXX	Related errors from libvoice.

Description

Deletes a connection between a local and remote endpoint.



sceVoiceQoSEnd

Terminates libvoiceQoS.

Definition

#include <voice_qos.h>
SceVoiceQoSError sceVoiceQoSEnd(void);

Return Values

Value	Description
SCE_OK	Successful completion.
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.
SCE VOICE ERROR LIBVOICE XXX	Related errors from libvoice.

Description

Terminates libvoiceQoS.



sceVoiceQoSGetConnectionAttribute

Retrieves an attribute of the connection.

Definition

Arguments

connectionId
attributeId
pAttributeValue
attributeSize

[in] The connection identifier.

[in] The attribute identifier.

[out] The returned attribute value data.

[in] The expected size of the returned attribute value data.

Return Values

Value	Description
SCE_OK	Successful completion.
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid
	argument.

Description

Retrieves an attribute of the connection.



sceVoiceQoSGetLocalEndpoint

Retrieves the local endpoint of the connection.

Definition

Arguments

connectionId
pLocalId

[in] The connection identifier.

[out] The returned local endpoint identifier.

Return Values

Value	Description
SCE_OK	Successful completion.
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid
,	argument.

Description

Retrieves the local endpoint of the connection.



sceVoiceQoSGetLocalEndpointAttribute

Retrieves an attribute of the local endpoint.

Definition

```
#include <voice qos.h>
<u>SceVoiceQoSError</u> sceVoiceQoSGetLocalEndpointAttribute(
   SceVoiceQoSLocalId localId,
   SceVoiceQoSAttributeId attributeId,
   void *pAttributeValue,
   int attributeSize
);
```

Arguments

localId attributeId pAttributeValue attributeSize

[in] The local endpoint identifier.

[in] The attribute identifier.

[out] The returned attribute value data.

[in] The size of the attribute value data.

Return Values

Value	Description		
SCE_OK	Successful completion.		
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.		
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid		
	argument.		

Description

Retrieves an attribute of the local endpoint



sceVoiceQoSGetRemoteEndpoint

Retrieves the remote endpoint of the connection.

Definition

```
#include <voice qos.h>
<u>SceVoiceQoSError</u> sceVoiceQoSGetRemoteEndpoint(
   SceVoiceQoSConnectionId connectionId,
   SceVoiceQoSRemoteId *pRemoteId
);
```

Arguments

connectionId pRemoteId

[in] The connection identifier.

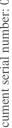
[out] The returned remote endpoint identifier.

Return Values

Talue Description		
SCE_OK	Successful completion.	
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.	
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid	
,	argument.	

Description

Retrieves the remote endpoint of the connection.



sceVoiceQoSGetStatus

Retrieves a status value for the connection.

Definition

```
#include <voice qos.h>
<u>SceVoiceQoSError</u> sceVoiceQoSGetStatus(
   SceVoiceQoSConnectionId connectionId,
   SceVoiceQoSStatusId statusId,
   void *pStatusValue,
   int statusSize
);
```

Arguments

connectionId statusId *pStatusValue* statusSize

[in] The connection identifier.

[in] The status identifier. [out] The returned status value data.

[in] The expected size of the returned status value data.

Return Values

Value	Description		
SCE_OK	Successful completion.		
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.		
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid		
	argument.		

Description

Retrieves a status value for the connection



sceVoiceQoSInit

Initializes libvoiceQoS.

Definition

#include <voice_qos.h>
SceVoiceQoSError sceVoiceQoSInit(void);

Return Values

Value	Description	
SCE_OK	Successful completion.	
SCE_VOICE_ERROR_LIBVOICEQOS_INITIALIZED	libvoiceQoS has already been initialized.	
SCE_VOICE_ERROR_LIBVOICEQOS_SYSTEM	libvoiceQoS has system error.	
SCE_VOICE_ERROR_LIBVOICE_XXX	Related errors from libvoice.	

Description

Initializes libvoiceQoS.



sceVoiceQoSReadPacket

Retrieves a data packet to send to a remote endpoint.

Definition

Arguments

connectionId

[in] The connection identifier.

pData

[in] Data to be sent from the local endpoint.

pSize [in/out] The size of the data to be sent from the local endpoint. Returns the size

read.

Return Values

Value	Description		
SCE_OK	Successful completion.		
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.		
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid		
argument.			
SCE_VOICE_ERROR_LIBVOICE_XXX	Related errors from libvoice.		

Description

Retrieves a data packet to send to a remote endpoint.



sceVoiceQoSSetConnectionAttribute

Sets an attribute of the connection.

Definition

```
#include <voice qos.h>
<u>SceVoiceQoSError</u> sceVoiceQoSSetConnectionAttribute(
   SceVoiceQoSConnectionId connectionId,
   SceVoiceQoSAttributeId attributeId,
   const void *pAttributeValue,
   int attributeSize
);
```

Arguments

connectionId attributeId *pAttributeValue* attributeSize

- [in] The connection identifier.
- [in] The attribute identifier.
- [in] The attribute value data.
- [in] The size of the attribute value data.

Return Values

Value	Description		
SCE_OK	Successful completion.		
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.		
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid		
	argument.		

Description

Sets an attribute of the connection.



sceVoiceQoSSetLocalEndpointAttribute

Sets an attribute of the local endpoint.

Definition

```
#include <voice qos.h>
<u>SceVoiceQoSError</u> sceVoiceQoSSetLocalEndpointAttribute(
   SceVoiceQoSLocalId localId,
   SceVoiceQoSAttributeId attributeId,
   const void *pAttributeValue,
   int attributeSize
);
```

Arguments

localId attributeId pAttributeValue attributeSize

[in] The local endpoint identifier.

[in] The attribute identifier.

[in] The attribute value data.

[in] The size of the attribute value data.

Return Values

Value	Description		
SCE_OK	Successful completion.		
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.		
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid		
	argument.		

Description

Sets an attribute of the local endpoint.



sceVoiceQoSWritePacket

Delivers a data packet received from a remote endpoint.

Definition

Arguments

connectionId

[in] The connection identifier.

pData pSize [in] Data received from the remote endpoint.

[in/out] The size of the data received from the remote endpoint. Returns the size

written.

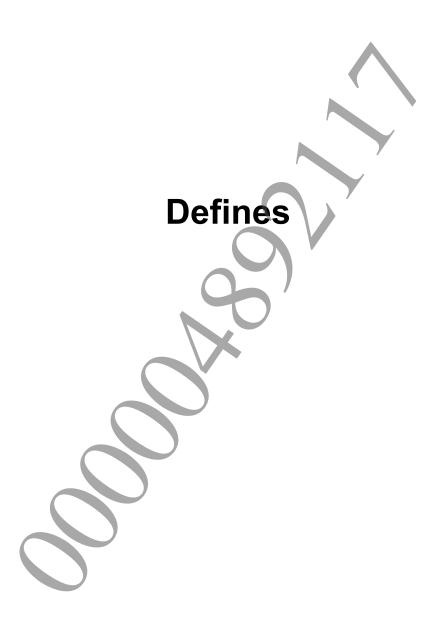
Return Values

Value	Description		
SCE_OK	Successful completion.		
SCE_VOICE_ERROR_LIBVOICEQOS_NOT_INIT	libvoiceQoS has not been initialized.		
SCE_VOICE_ERROR_LIBVOICEQOS_ARGUMENT_INVALID	libvoiceQoS received an invalid		
	argument.		
SCE_VOICE_ERROR_LIBVOICEQOS_PACKET_INVALID	libvoiceQoS received an invalid packet		
	to write.		
SCE_VOICE_ERROR_LIBVOICE_XXX	Related errors from libvoice.		

Description

Delivers a data packet received from a remote endpoint.

©SCEI



Define Summary

Define	Value	Description
SCE VOICE ERROR LIBVOICEQOS ARGUMENT INVALID	(0x804e0902)	libvoiceQoS received
	(01100100302)	an invalid argument.
SCE VOICE ERROR LIBVOICEQOS INITIALIZED	(0x804e0905)	libvoiceQoS has
000010011001_110.0100_001111111111	(01100100300)	already been
		initialized.
SCE VOICE ERROR LIBVOICEQOS INTERNAL UNRECOVERABLE	(0x804e0904)	libvoiceQoS
	(encountered an
		unrecoverable
		internal error.
SCE VOICE ERROR LIBVOICEQOS NOT INIT	(0x804e0901)	libvoiceQoS has not
		been initialized.
SCE VOICE ERROR LIBVOICEQOS PACKET INVALID	(0x804e0903)	libvoiceQoS received
		an invalid packet.
SCE_VOICE_ERROR_LIBVOICEQOS_RESOURCE_USED	(0x804e0907)	libvoiceQoS resource
		limit error.
SCE_VOICE_ERROR_LIBVOICEQOS_SYSTEM	(0x804e0906)	libvoiceQoS has
· ·		system error.
SCE_VOICE_QOS_INVALID_CONNECTION_ID	(-1)	Invalid connection
	, i	ID.
SCE_VOICE_QOS_INVALID_LOCAL_ID	(-1)	Invalid local ID.
SCE_VOICE_QOS_INVALID_REMOTE_ID	(-1)	Invalid remote ID.
SCE_VOICE_QOS_MAX_CONNECTIONS	7	Maximum number of
		connections when
		running on the
		PlayStation®Vita
		platform. See
\ X		"Resource
		Limitations" in the
		libvoiceQoS Overview.
SCE_VOICE_QOS_MAX_LOCAL_ENDPOINTS	1	Maximum number of
		local endpoints when
		running on the
		PlayStation®Vita
CCE VOICE OOC MAY DEMONE ENDOCHME	7	platform.
SCE_VOICE_QOS_MAX_REMOTE_ENDPOINTS	/	Maximum number of
		remote endpoints
		when running on the
		PlayStation®Vita platform. See
		"Resource
		Limitations" in the
		libvoiceQoS Overview.
		novoice Qua Overview.