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## sceNpBasicInit

Initialize the NP Basic library

## **Definition**

## **Arguments**

opt Option (reserved for future extension; specify NULL)

#### **Return Values**

The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	Description
SCE_OK	Successful
SCE_NP_BASIC_ERROR_UNKNOWN	Unknown error
SCE_NP_BASIC_ERROR_ALREADY_INITIALIZED	The NP Basic library is already initialized

### **Description**

This function initializes the NP Basic library

### **Notes**

This function is not multithread safe.

Because this function entails communication between processes on the system process side in order to request processing to the system process, this function can block other processes for a long period of time depending on the system process load. Do not call this function from a thread onto which you do not want the effects of the system process load (the rendering thread, for example).

### See Also

sceNpBasicTerm()

## sceNpBasicTerm

## Terminate the NP Basic library

#### **Definition**

#include <np\_basic.h>
int sceNpBasicTerm(void);

### **Return Values**

The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	Description
SCE_OK	Successful
SCE_NP_BASIC_ERROR_UNKNOWN	Unknown error
SCE_NP_BASIC_ERROR_NOT_INITIALIZED	The NP Basic library has not been initialized

### **Description**

This function terminates the NP Basic library.

#### **Notes**

This function is not multithread safe.

Because this function entails communication between processes on the system process side in order to request processing to the system process, this function can block other processes for a long period of time depending on the system process load. Do not call this function from a thread onto which you do not want the effects of the system process load (the rendering thread, for example).

#### See Also

sceNpBasicInit()





## **SceNpBasicInGameDataMessageEventHandler**

Event handler of the InGame data message

#### **Definition**

```
#include <np basic.h>
typedef void (*SceNpBasicInGameDataMessageEventHandler) (
        const SceNpId *from,
        const SceNpBasicInGameDataMessage *message,
        void *userdata
);
```

## **Arguments**

from Message sender message Message userdata User data at the time of handler registration

#### **Return Values**

None

## **Description**

This is an event handler for notifying incoming InCame data messages.

### **Notes**

Copy data received with this handler to a game-side memory area while this handler is being called, as they cannot be accessed after leaving this handler.



# SceNpBasicInGameDataMessage

## InGame data message

### **Definition**

```
#include <np basic.h>
struct SceNpBasicInGameDataMessage {
        SceUInt8 data[SCE NP BASIC IN GAME MESSAGE SIZE MAX];
        SceSize dataSize;
};
```

### **Members**

Arbitrary data dataSize Actual data size

## **Description**

This represents the InGame data message sent by the game.



## sceNpBasicSendInGameDataMessage

## Send InGame data message

### **Definition**

### **Arguments**

to Message address message Message to be sent

#### **Return Values**

The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	Description
SCE_OK	Successful
SCE_NP_BASIC_ERROR_NOT_INITIALIZED	The NP Basic library has not been
	initialized
SCE_NP_BASIC_ERROR_BUSY	Busy state (sending frequency is too high)
SCE_NP_BASIC_ERROR_NOT_READY_TO_COMMUNICATE	Handler and NP Communication ID have
	not been registered
SCE_NP_BASIC_ERROR_INVALID_ARGUMENT	Invalid argument
SCE_NP_BASIC_ERROR_SIGNED_OUT	Signed-out
SCE_NP_BASIC_ERROR_NOT_ONLINE	Not online
SCE_NP_BASIC_ERROR_UNKNOWN	Unknown error

## **Description**

This function sends an InGame data message to a specified address. It is also possible to specify an addressee other than a friend. The message will not be saved on the server. Messages will reach recipients satisfying the following conditions.

- (1) The recipient is using the NP Basic library
- (2) The recipient is using the same NP Communication ID
- (3) The recipient's NP service state is "online"

## sceNpBasicRegisterInGameDataMessageHandler

Register an event handler for InGame data messages

#### **Definition**

## **Arguments**

handler InGame data message event handler commId NP Communication ID

userdata Arbitrary data to pass to the handler

### **Return Values**

The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	Description
SCE_OK	Successful
SCE_NP_BASIC_ERROR_NOT_INITIALIZED	The NP Basic library has not been initialized
SCE_NP_BASIC_ERROR_NO_COMM_ID_SUPPLIED	The commId argument is NULL, and the NP
	Communication ID was not specified from
	sceNpInit()
SCE_NP_BASIC_ERROR_INVALID_ARGUMENT	handler is NULL

### **Description**

This function registers an event handler for InGame data messages.

#### **Notes**

This function is not multithread safe.

Because this function entails communication between processes on the system process side in order to request processing to the system process, this function can block other processes for a long period of time depending on the system process load. Do not call this function from a thread onto which you do not want the effects of the system process load (the rendering thread, for example).

When the NP Communication ID is not specified to <code>commId</code>, the NP Communication ID specified upon the call of <code>sceNpInit()</code> of the NP library will be used.

#### See Also

sceNpBasicUnregisterInGameDataMessageHandler(),sceNpBasicCheckCallback()

## sceNpBasicUnregisterInGameDataMessageHandler

Unregister the event handler for InGame data messages

### **Definition**

#include <np\_basic.h>
int sceNpBasicUnregisterInGameDataMessageHandler(void);

### **Arguments**

None

#### **Return Values**

The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	Description
SCE_OK	Successful
SCE NP BASIC ERROR NOT INITIALIZED	The NP Basic library has not been initialized

## **Description**

This function unregisters the event handler for InGame data messages.

#### **Notes**

This function is not multithread safe.

Because this function entails communication between processes on the system process side in order to request processing to the system process, this function can block other processes for a long period of time depending on the system process load. Do not call this function from a thread onto which you do not want the effects of the system process load (the rendering thread, for example).

## See Also

sceNpBasicRegisterInGameDataMessageHandler()

## sceNpBasicCheckCallback

## Check callback

#### **Definition**

#include <np\_basic.h>
int sceNpBasicCheckCallback(void);

## **Arguments**

None

### **Return Values**

The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	Description
SCE_OK	Successful
SCE_NP_BASIC_ERROR_NOT_INITIALIZED	The NP Basic library has not been initialized

## **Description**

This function is for checking event occurrences. Call this function regularly after registering an event handler using sceNpBasicRegisterInGameDataMessageHandler(). If an event has occurred, the event handler for that event will be called.

#### **Notes**

This function is not multithread safe.

The event handler will be executed in the context of the thread that calls this function.

### See Also

sceNpBasicRegisterInGameDataMessageHandler()



## SceNpBasicPlaySessionLogType

## Shared play type

### **Definition**

## **Enumeration Values**

Value	(Number)	Description
SCE_NP_BASIC_PLAY_SESSION_LOG_TYPE_INVALID	-1	Invalid type
SCE_NP_BASIC_PLAY_SESSION_LOG_TYPE_ALL	0	Shared play history
	/	of all titles
SCE_NP_BASIC_PLAY_SESSION_LOG_TYPE_BY_NP_COMM_I	1/	Shared play history
D		filtered with the same
( ) \		NP Communication
		ID
SCE_NP_BASIC_PLAY_SESSION_LOG_TYPE_MAX	2	Maximum

## **Description**

This enumerated type represents the type of shared play history.

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## SceNpBasicPlaySessionLogDescription

Shared play history description

### **Definition**

```
#include <np basic.h>
struct SceNpBasicPlaySessionLogDescription {
        char text[SCE NP BASIC PLAY SESSION DESCRIPTION SIZE MAX];
} ;
```

### **Members**

text Text describing the shared play history

## **Description**

This structure represents a description of shared play history. It can be used for the purpose of describing gameplay, such as, the contents of a game session, quest names, level names, etc.



## SceNpBasicPlaySessionLog

## Shared play history

### **Definition**

### **Members**

date Date played

withWhom Players with whom the game was played NP Communication ID at the time of play

title Title of the game played description Shared play history description

## **Description**

This structure represents shared play history.



## sceNpBasicRecordPlaySessionLog

## Record shared play history

#### **Definition**

## **Arguments**

withWhom Player with whom the same online game session was played description Session description

#### **Return Values**

The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	Description
SCE_OK	Successful
SCE_NP_BASIC_ERROR_NOT_INITIALIZED	The NP Basic library has not been initialized
SCE_NP_BASIC_ERROR_INVALID_ARGUMENT	Invalid argument
SCE_NP_BASIC_ERROR_UNKNOWN	Unknown error
SCE_NP_BASIC_ERROR_NO_COMM_ID_SUPPLIED	NP Communication ID has not been supplied

## **Description**

This function records play history shared with the specified users. When this function is called, the library supplements the time of calling and the called game title. These are recorded in the system's database along with <code>withWhom</code> and <code>description</code> as shared play history. The recorded shared play history can be obtained with <code>sceNpBasioGetPlaySessionLog()</code>, and is also displayed on system software applications (ex. Friends application).

#### **Notes**

Do not call this function from the rendering thread, as it entails flash writing.

#### See Also

sceNpBasicGetPlaySessionLog(), sceNpBasicGetPlaySessionLogSize()

## sceNpBasicGetPlaySessionLogSize

Obtain the size of shared play history

### **Definition**

## **Arguments**

```
type Shared play history type size Shared play history size
```

#### **Return Values**

The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value	Description
SCE_OK	Successful
SCE_NP_BASIC_ERROR_NOT_INITIALIZED	The NP Basic library has not been initialized
SCE_NP_BASIC_ERROR_INVALID_ARGUMENT	Invalid argument
SCE_NP_BASIC_ERROR_UNKNOWN	Unknown error
SCE NP BASIC ERROR NO COMM ID SUPPLIED	NP Communication ID has not been supplied

## **Description**

This function obtains the number of shared plays.

### **Notes**

Do not call this function from the rendering thread, as it entails flash reading.

#### See Also

sceNpBasicRecordPlaySessionLog()

## sceNpBasicGetPlaySessionLog

## Obtain shared play history

### **Definition**

## **Arguments**

type Shared play history type index Index to be obtained

10g Address for storing obtained shared play history

### **Return Values**

The main error codes are shown below. Note, however, that the application must not malfunction even if other error codes are returned.

Value		Description
SCE_OK		Successful
SCE_NP_BASIC_ERROR_NOT_INITIALIZED		The NP Basic library has not been initialized
SCE_NP_BASIC_ERROR_INVALID_ARGUMENT		Invalid argument
SCE_NP_BASIC_ERROR_UNKNOWN		Unknown error
SCE_NP_BASIC_ERROR_NO_COMM_ID_SUPPLI	ED	NP Communication ID has not been provided

## **Description**

This function obtains shared play history

#### **Notes**

Do not call this function from the rendering thread, as it entails flash reading.

### See Also

sceNpBasicRecordPlaySessionLog()



## **SceNpBasicJoinGameAckRequestEventHandler**

Event handler for the join game acknowledgment request received event (cannot be used)

### **Definition**

## **Arguments**

fromNpId NP ID of user issuing the join game acknowledgment requestuserdata User data set upon registering the event handler

#### **Return Values**

None

### **Description**

In accordance with the removal of the InGame presence setting feature, NP Basic library APIs related to join game acknowledgement are currently disabled.

## **SceNpBasicJoinGameAckResponseType**

Join game acknowledgment response types (cannot be used)

#### **Definition**

```
#include <np_basic.h>
enum SceNpBasicJoinGameAckResponseType {
    SCE NP BASIC JOIN GAME ACK RESPONSE TYPE UNKNOWN = 0,
    SCE NP BASIC JOIN GAME ACK RESPONSE TYPE ALLOW = 1,
    SCE NP BASIC JOIN GAME ACK RESPONSE TYPE DENY = 2,
    SCE NP BASIC JOIN GAME ACK RESPONSE TYPE DENY FULL = 3,
    SCE NP BASIC JOIN GAME ACK RESPONSE TYPE DENY WITH REASON = 4,
    SCE NP BASIC JOIN GAME ACK RESPONSE TYPE SYSTEM ERROR TIMEOUT = 5,
    SCE NP BASIC JOIN GAME ACK RESPONSE TYPE SYSTEM ERROR GENERAL = 6,
    SCE NP BASIC JOIN GAME ACK RESPONSE TYPE SYSTEM ERROR GAME DOES NOT EXIST = 7,
    SCE NP BASIC JOIN GAME ACK RESPONSE TYPE MAX = 8
};
```

#### **Enumeration Values**

Value	(Number)	Description
SCE_NP_BASIC_JOIN_GAME_ACK_	0	Unknown
RESPONSE TYPE UNKNOWN		
SCE_NP_BASIC_JOIN_GAME_ACK_	1	Allow to Join
RESPONSE_TYPE_ALLOW		
SCE NP BASIC JOIN GAME ACK	2	Not allowed to join
RESPONSE_TYPE_DENY		
SCE NP BASIC JOIN GAME ACK	3	Not allowed to join because the game is
RESPONSE_TYPE_DENY_FULL		currently full
SCE NP BASIC JOIN GAME ACK	4	Not allowed to join, with supplied text to be
RESPONSE TYPE DENY WITH REA		displayed
SON		alopityet
SCE NP BASIC JOIN GAME ACK	5	System timeout of join game
RESPONSE TYPE SYSTEM ERROR		acknowledgment request. Value only used
TIMEOUT		by system
SCE NP BASIC JOIN GAME ACK	6	System error of join game acknowledgment
RESPONSE TYPE SYSTEM ERROR		request. Value only used by system
GENERAL		request. Value only used by system
SCE NP BASIC JOIN GAME ACK	7	System error indicating game does not exist.
RESPONSE TYPE SYSTEM ERROR		Value only used by the system
GAME DOES NOT EXIST		
SCE NP BASIC JOIN GAME ACK	8	Max enum value for
RESPONSE_TYPE_MAX		SceNpBasicJoinGameAckResponseType

#### **Description**

In accordance with the removal of the InGame presence setting feature, NP Basic library APIs related to join game acknowledgement are currently disabled.

## **SceNpBasicJoinGameAckResponse**

Structure containing join game acknowledgment response information (cannot be used)

#### **Definition**

### Members

npId NP ID to send response to

type Join game acknowledgment response type

denyReason Supplied Deny reason when SceNpBasicJoinGameAckResponseType set to

SCE NP BASIC JOIN GAME ACK RESPONSE TYPE DENY WITH REASON

## **Description**

In accordance with the removal of the InGame presence setting feature, NP Basic library APIs related to join game acknowledgement are currently disabled.

## sceNpBasicRegisterJoinGameAckHandler

Register the join game acknowledgment request handler (cannot be used)

### **Definition**

```
#include <np basic.h>
int sceNpBasicRegisterJoinGameAckHandler(
        SceNpBasicJoinGameAckRequestEventHandler handler,
        void *userdata
);
```

## **Arguments**

Event handler for join game acknowledgment request events Any user data to pass to the event handler

#### **Return Values**

Value	Description
SCE_OK	Successful
SCE_NP_BASIC_ERROR_NOT_INITIALIZED	The NP Basic library has not been initialized
SCE_NP_BASIC_ERROR_ALREADY_INITIALIZED	A join game acknowledgment request handler is
	already registered

## **Description**

In accordance with the removal of the InGame presence setting feature, NP Basic library APIs related to join game acknowledgement are currently disabled.



## sceNpBasicUnregisterJoinGameAckHandler

Unregister the join game acknowledgment request handler (cannot be used)

### **Definition**

#include <np\_basic.h>
int sceNpBasicUnregisterJoinGameAckHandler(void);

## **Arguments**

None

### **Return Values**

Value	Description
SCE_OK	Successful
SCE NP BASIC ERROR NOT INITIALIZED	The NP Basic library has not been initialized

## **Description**

In accordance with the removal of the InGame presence setting feature, NP Basic library APIs related to join game acknowledgement are currently disabled.



## sceNpBasicJoinGameAckResponseSend

Sends a join game acknowledgment response (cannot be used)

### **Definition**

```
#include <np basic.h>
int sceNpBasicJoinGameAckResponseSend(
        const SceNpBasicJoinGameAckResponse *response
);
```

## **Arguments**

Join game acknowledgment response information response

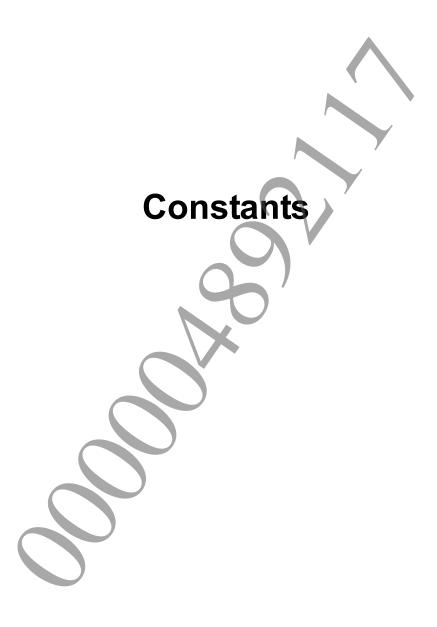
### **Return Values**

Value	Description
SCE_OK	Successful completion
SCE_NP_BASIC_ERROR_UNKNOWN	Unknown error
SCE_NP_BASIC_ERROR_NOT_INITIALIZED	The NP Basic library has not been
	initialized
SCE_NP_BASIC_ERROR_JOIN_GAME_ACK_REQUEST_INVALID	There is no join game
	acknowledgment pending request
	corresponding to NP ID of the
	response
SCE_NP_BASIC_ERROR_INVALID_ARGUMENT	Invalid argument
SCE_NP_BASIC_ERROR_JOIN_GAME_ACK_REQUEST_TIMEDOUT	The request has timed out
SCE_NP_BASIC_ERROR_JOIN_GAME_ACK_REQUEST_CANCELED	The request has been canceled by
	the client

### Description

In accordance with the removal of the InGame presence setting feature, NP Basic library APIs related to join game acknowledgement are currently disabled.





# **Various Constants Used by NP Basic Library**

Various constants used by the NP Basic library

## Definition

Value	(Number)	Description
SCE_NP_BASIC_TITLE_SIZE_MAX	128	Maximum size of title name
SCE_NP_BASIC_	512	Maximum size of InGame data
IN_GAME_MESSAGE_SIZE_MAX		messages
SCE_NP_BASIC_	512	Maximum size of shared play history
PLAY_SESSION_DESCRIPTION_SIZE_MAX		description
SCE_NP_BASIC_	30	The time for a join game
JOIN_GAME_REQUEST_TIMEOUT_SEC		acknowledgment request to timeout
SCE_NP_BASIC_	128	Maximum size of join game
JOIN_GAME_ACK_RESPONSE_DENY_REASON_SIZE		acknowledgment deny reason
_MAX	1	messages



# **Error Codes Used by NP Basic Library**

List of error codes returned by the NP Basic library

## Definition

Value	(Number)	Description
SCE NP BASIC ERROR BASE	0x80551d00	Base error code of the NP Basic
		library
SCE_NP_BASIC_ERROR_UNKNOWN	0x80551d01	Unknown error
SCE_NP_BASIC_ERROR_INVALID_ARGUMENT	0x80551d02	Invalid argument
SCE_NP_BASIC_ERROR_OUT_OF_MEMORY	0x80551d03	There is not enough memory
SCE_NP_BASIC_ERROR_NOT_INITIALIZED	0x80551d04	Not initialized
SCE_NP_BASIC_ERROR_ALREADY_INITIALIZED	0x80551d05	Already initialized
SCE_NP_BASIC_ERROR_SIGNED_OUT	0x80551d06	Signed-out
SCE_NP_BASIC_ERROR_NOT_ONLINE	0x80551d07	Not online
SCE_NP_BASIC_ERROR_DATA_NOT_FOUND	0x80551d08	Searched data cannot be found
SCE_NP_BASIC_ERROR_BUSY	0x80551d09	Busy state
SCE_NP_BASIC_ERROR_	0x80551d0a	Not ready for communication
NOT_READY_TO_COMMUNICATE		
SCE_NP_BASIC_ERROR_NO_COMM_ID_SUPPLIED	0x80551d0b	NP Communication ID has not
		been supplied
SCE_NP_BASIC_ERROR_IPC_QUEUE_OVERFLOWED	0x80551d0c	Queue for communication
		between processes overflows
		(this error code returns
	)	through
	/	SceNpServiceStateCallba
COE ND DAGIG EDDOD	0.00554.10	ck)
SCE_NP_BASIC_ERROR_ NO NP COMM ID IN PARAM SFO	0x80551d0e	NP Communication ID is not
	0.00551.106	written in param.sfo
SCE_NP_BASIC_ERROR_ JOIN GAME ACK REQUEST TIMEDOUT	0x80551d0f	Response was sent on a timed
OOIN_GAME_ACK_REQUEST_IIMEBOOT		out join game acknowledgment
CCE ND DACIC EDDOD	0. 00551 110	request
SCE_NP_BASIC_ERROR_ JOIN GAME ACK REQUEST CANCELED	0x80551d10	Response was sent on a
		canceled join game
CCE ND DACIC EDDOR	0x80551d11	acknowledgment request
SCE_NP_BASIC_ERROR_ JOIN GAME ACK REQUEST INVALID	0X00551011	Response was sent on a invalid join game acknowledgment
0011511111_1011_111201151_11111111111111111		request
SCE NP BASIC ERROR	0x80551d12	Join game acknowledgment
NO JOIN GAME ACK HANDLER	0.000001012	feature was set without
		registering handler
		registering nationer