

eXosip2 SUBSCRIBE and outgoing subscriptions

SIP messages and call control API

Enumerations

```
enum eXosip_ss {  
    EXOSIP_SUBCRSTATE_UNKNOWN,  
    EXOSIP_SUBCRSTATE_PENDING,  
    EXOSIP_SUBCRSTATE_ACTIVE,  
    EXOSIP_SUBCRSTATE_TERMINATED  
}
```

```
enum eXosip_ss_reason {  
    DEACTIVATED,  
    PROBATION,  
    REJECTED,  
    TIMEOUT,  
    GIVEUP,  
    NORESOURCE  
}
```

```
enum eXosip_ss_status {  
    EXOSIP_NOTIFY_UNKNOWN,  
    EXOSIP_NOTIFY_PENDING,  
    EXOSIP_NOTIFY_ONLINE,  
    EXOSIP_NOTIFY_BUSY,  
    EXOSIP_NOTIFY_BERIGHTBACK,  
    EXOSIP_NOTIFY_AWAY,  
    EXOSIP_NOTIFY_ONTHEPHONE,  
    EXOSIP_NOTIFY_OUTTOLUNCH,  
    EXOSIP_NOTIFY_CLOSED  
}
```

Functions

```
int eXosip_subscribe_build_initial_request (struct eXosip_t *excontext, osip_message_t **subscribe,  
    const char *to, const char *from, const char *route, const char *event, int expires)
```

```
int eXosip_subscribe_send_initial_request (struct eXosip_t *excontext, osip_message_t *subscribe)
```

```
int eXosip_subscribe_build_refresh_request (struct eXosip_t *excontext, int did, osip_message_t  
    **sub)
```

```
int eXosip_subscribe_send_refresh_request (struct eXosip_t *excontext, int did, osip_message_t  
    *sub)
```

```
int eXosip_subscribe_remove (struct eXosip_t *excontext, int did)
```

Detailed Description

Enumeration Type Documentation

enum eXosip_ss

Structure for subscription status

Enumerator:

<i>EXOSIP_SUBCRSTATE_UNKNOWN</i>	unknown subscription-state
<i>EXOSIP_SUBCRSTATE_PENDING</i>	pending subscription-state
<i>EXOSIP_SUBCRSTATE_ACTIVE</i>	active subscription-state
<i>EXOSIP_SUBCRSTATE_TERMINATED</i>	terminated subscription-state

enum eXosip_ss_reason

Structure for subscription reason

Enumerator:

<i>DEACTIVATED</i>	deactivated for subscription-state
<i>PROBATION</i>	probation for subscription-state
<i>REJECTED</i>	rejected for subscription-state
<i>TIMEOUT</i>	timeout for subscription-state
<i>GIVEUP</i>	giveup for subscription-state
<i>NORESOURCE</i>	noresource for subscription-state

enum eXosip_ss_status

Structure for notification status

Enumerator:

<i>EXOSIP_NOTIFY_UNKNOWN</i>	unknown state for subscription
<i>EXOSIP_NOTIFY_PENDING</i>	subscription not yet accepted
<i>EXOSIP_NOTIFY_ONLINE</i>	online status
<i>EXOSIP_NOTIFY_BUSY</i>	busy status
<i>EXOSIP_NOTIFY_BERIGHTBACK</i>	be right back status
<i>EXOSIP_NOTIFY_AWAY</i>	away status
<i>EXOSIP_NOTIFY_ONTHEPHONE</i>	on the phone status
<i>EXOSIP_NOTIFY_OUTTOLUNCH</i>	out to lunch status
<i>EXOSIP_NOTIFY_CLOSED</i>	closed status

Function Documentation

```
int eXosip_subscribe_build_initial_request ( struct eXosip_t *   excontext,
                                             osip_message_t ** subscribe,
                                             const char *      to,
                                             const char *      from,
                                             const char *      route,
                                             const char *      event,
                                             int                expires
                                             )
```

Build a default initial SUBSCRIBE request.

Parameters

excontext eXosip_t instance.
subscribe Pointer for the SIP request to build.
to SIP url for callee.
from SIP url for caller.
route Route header for SUBSCRIBE. (optional)
event Event header for SUBSCRIBE.
expires Expires header for SUBSCRIBE.

```
int eXosip_subscribe_send_initial_request ( struct eXosip_t *   excontext,
                                             osip_message_t *   subscribe
                                             )
```

Send an initial SUBSCRIBE request.

Parameters

excontext eXosip_t instance.
subscribe SIP SUBSCRIBE message to send.

```
int eXosip_subscribe_build_refresh_request ( struct eXosip_t *   excontext,
                                             int                did,
                                             osip_message_t **   sub
                                             )
```

Build a default new SUBSCRIBE message.

Parameters

excontext eXosip_t instance.
did identifier of the subscription.
sub Pointer for the SIP request to build.

```
int eXosip_subscribe_send_refresh_request ( struct eXosip_t * excontext,
                                           int did,
                                           osip_message_t * sub
                                           )
```

Send a new SUBSCRIBE request.

Parameters

excontext eXosip_t instance.
did identifier of the subscription.
sub SIP SUBSCRIBE message to send.

```
int eXosip_subscribe_remove ( struct eXosip_t * excontext,
                              int did
                              )
```

Remove outgoing subscription context.

Parameters

excontext eXosip_t instance.
did identifier of the subscription.