



CHAPTER 10

Notification Handling Functions

This chapter provides information about the following notification handling functions:

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deregisterNotificationListener

Synopsis

```
boolean deregisterNotificationListener(UserToken token, NotificationListener listener)  
throws RemoteException;
```

Description

This function removes the notification listener from the client program.

Input Parameters

Parameter	Type	Value	Description
token	UserToken, mandatory	—	Token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.
listener	Notification Listener interface, mandatory	—	Object that was previously registered by addNotificationListener().

Return

This function returns true if deregistration is successful and false if it is unsuccessful.

Error and Exception

If a system error prevents the operation from completing, a RemoteException is thrown.

When an error occurs, this function returns false.

disableNotificationByEmail

Synopsis

```
boolean disableNotificationByEmail(UserToken token) throws RemoteException;
```

Description

This function disables sending e-mail notifications to the user.

Input Parameters

Parameter	Type	Value	Description
token	UserToken, mandatory	—	Token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.

Return

This function returns true if it is successful and false if it is unsuccessful.

Error and Exception

If a system error prevents the operation from completing, a RemoteException is thrown.

When an error occurs, this function returns false.

enableNotificationByEmail

Synopsis

```
boolean enableNotificationByEmail(UserToken token) throws RemoteException;
```

Description

This function enables sending e-mail notifications to the user.

Input Parameters

Parameter	Type	Value	Description
token	UserToken, mandatory	—	Token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.

Return

This function returns true if it is successful and false if it is unsuccessful.

Error and Exception

If a system error prevents the operation from completing, a `RemoteException` is thrown.

When an error occurs, this function returns false.

registerNotificationListener

Synopsis

```
boolean registerNotificationListener(UserToken token, NotificationListener listener)
throws RemoteException;
```

Description

This function allows a client program to register a listener for notifications. When a notification has occurred, the `onNotification()` method in the listener object is invoked.

The client must use the `registerNotification()` application programming interface (API) in order to be able to receive notification. The client should implement the `NotificationListener` interface in order to be able to take action upon notification.

```
package com.cisco.nm.clm.common;
public interface NotificationListener {
    public void onNotification(Notification notification);
}
Clients should implement the NotificationListener interface as follows.
public class MyClient implements NotificationListener {
    //other fields and functions to do client's job
    //the action that will be taken on notification.
    public void onNotification(Notification notify) {
        System.out.println(notify.toString());
    }
}
```

Input Parameters

Parameter	Type	Value	Description
token	UserToken, mandatory	—	Token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.
listener	Notification Listener interface, mandatory	—	Object that implements the <code>NotificationListener</code> interface.

Return

This function returns true if the registration is successful and false if it is unsuccessful.

Error and Exception

If a system error prevents the operation from completing, a `RemoteException` is thrown.

When an error occurs, this function returns false.

