

How to list extended fields of ContactList

Overview

When using PIM API and its `ContactList` class, it is important to find out first, what fields are supported by the implementation. This can be done by using the instructions shown here: [How to list the supported fields in a PIMList](#).

It is also possible, that implementations have so called extended fields. They are additional fields, which are not listed as standard fields of `Contact` class. Some of the latest S60 implementations (S60 3rd Ed FP1 and newer) support a wide selection of these fields. Below is a method for creating a contact, which has a name "Test Contact" and all the extended attributes, which are available. This method has been tested in S60 3rd Edition FP1 devices like N95.

```
public void testExtendedFields() {
    ContactList list = null;
    Contact contact = null;
    try {
        list = (ContactList)PIM.getInstance().openPIMList(PIM.CONTACT_LIST, PIM.READ_WRITE);
        contact = list.createContact();
        String[] name = new String[list.stringArraySize(Contact.NAME)];
        if (list.isSupportedArrayElement(Contact.NAME, Contact.NAME_FAMILY))
            name[Contact.NAME_FAMILY] = "Contact";
        if (list.isSupportedArrayElement(Contact.NAME, Contact.NAME_GIVEN))
            name[Contact.NAME_GIVEN] = "Test";
        contact.addStringArray(Contact.NAME, PIMItem.ATTR_NONE, name);
        int fields[] = list.getSupportedFields();
        for (int i = 0; i < fields.length; i++) {
            if (fields[i] > 256) { // extended field
                if (fields[i] == 16797704) { // Anniversary field
                    contact.addDate(fields[i], Contact.ATTR_NONE, new java.util.Date().getTime());
                }
                else contact.addString(fields[i], Contact.ATTR_NONE, "field: " + fields[i]);
            }
        }
        contact.commit();
        list.close();
    } catch (PIMException pe) {
        System.out.println("PIMException: " + pe.getMessage());
    } catch (IllegalArgumentException iae) {
        System.out.println("IllegalArgumentException: " + iae.getMessage());
    }
}
```

Note: The existence of extended fields is tested by checking, if the integer value of a field is more then 256.

Note: The field having value of 16797704 (Anniversary field) accepts only a `Date` object as its content, others accept `Strings`.

See also:

- [How to add a video clip to a contact in Java ME](#)
- [How to list the supported fields in Java ME](#)

