

User Notifications

Introduction

- The Android 3.0 platform extends the notification capabilities allowing the developers to include richer content.
- In addition, the Android 3.0 platform provides us with many more configuration capabilities.

The Notification.Builder Class

- This class was introduced in Android 3.0 platform. It provides developers with a simpler way for creating notifications and with more possibilities.
- We can create notifications that include icons (both large and small ones) and configure them with all properties that were already available in previous versions.

The Notification.Builder Class

NotificationBuilderDemo.java

```
public class NotificationBuilderDemo extends Activity
{
    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.main);
        final NotificationManager manager =
            (NotificationManager) getSystemService(NOTIFICATION_SERVICE);
        Button bt = (Button)findViewById(R.id.button1);
        bt.setOnClickListener(new OnClickListener()
        {
            @Override
            public void onClick(View v)
            {
                String text = "time is " + new Date();
                Log.i("builder", "text="+text);
            }
        });
    }
}
```



The Notification.Builder Class

```
    PendingIntent intent = PendingIntent.getActivity(
        NotificationBuilderDemo.this,
        text.hashCode(),
        new Intent(Intent.ACTION_VIEW)
            .putExtra(Intent.EXTRA_TEXT, text)
            .setData(Uri.parse("http://www.lifemichael.com"))
            .addFlags(Intent.FLAG_ACTIVITY_NEW_TASK),
        0);

    Notification.Builder builder =
        new Notification.Builder(NotificationBuilderDemo.this)
            .setSmallIcon(R.drawable.icon_noti)
            .setAutoCancel(true)
            .setTicker("Hello Bonga!")
            .setContentText("La La La BONGA")
            .setContentIntent(intent);

    manager.notify(text.hashCode(), builder.getNotification());
}
});
}
```

The Notification.Builder Class

