Connected Digital Propositions: DLS UIKit Integration

**IconFont Integration**

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| **History** | | | | | |
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# **Introduction**

IconFont provides frequently used graphics in form of fonts.

Source code is hosted at [TFS](http://tfsemea1.ta.philips.com:8080/tfs/TPC_Region24/CDP2/TEAM%20Mobile%20UI%20toolkit/_git/icf-android?path=%2F&version=GBdevelop&_a=contents).

# **Dependencies**

IconFont can be integrated via artifactory dependency management, having advantage for automatic resolution of lib dependency modules.

## Add artifactory in repository list in source root build.gradle

|  |
| --- |
| repositories {  ...........  maven { url ‘[http://artifactory-ehv.ta.philips.com:8082/artifactory/platform-pkgs-android-snapshot](http://artifactory-ehv.ta.philips.com:8082/artifactory/platform-pkgs-android-snapshot/com/philips/cdp/uid/0.1.1-SNAPSHOT.20170706172130/uid-0.1.1-SNAPSHOT.20170706172130.aar)’ }  .........  } |

## Add uikit dependency in project build.gradle

Please refer artifactory for the latest releases. It’s recommended to use scm plugin instead of hardcoded version to get the latest snapshot or stable versions.

compile(group: 'com.philips.cdp', name: 'IconFont', version: '1.0.0', ext: 'aar', changing: true)

or

compile(group: 'com.philips.cdp', name: 'IconFont', version: '1.0.0' + objcdp.getVersionSuffix(), ext: 'aar'){

        exclude group: 'com.android.support'

        transitive = true

    }

# **How to use**

ICF provides Unicode mapping against the icons present in font. All the Unicode have a prefix of **dls\_\*.**

Base path for the font is **“fonts/iconfont.ttf”**

## Using icon fonts in xml

Path **“fonts/iconfont.ttf”** can be used to assigned custom path or variable used for font path resolution. For Example, TextView with Calligraphy

<TextView  
 ……..

fontPath=**“fonts/iconfont.ttf”**

text**=”@string/dls\_star**”

/>

## Adding drawables programatically

DLS UIKit provides implementation to convert icons to Drawable.

Please refer [FontIconDrawale](http://tfsemea1.ta.philips.com:8080/tfs/TPC_Region24/CDP2/TEAM%20Mobile%20UI%20toolkit/_git/uid-android?path=%2FSource%2FUIKit%2Fuid%2Fsrc%2Fmain%2Fjava%2Fcom%2Fphilips%2Fplatform%2Fuid%2Fdrawable%2FFontIconDrawable.java&version=GBdevelop) to converting icons to drawable.

Example code to create star icon from icon font.

FontIconDrawable icon = new FontIconDrawable(mainActivity,   
 activity.getString(**R.string.dls\_star**), Typeface.createFromAsset(activity.getAssets(), **"fonts/iconfont.ttf"**));

If DLS UIKit toolkit is not used, different third-party libs can be used for same, like <https://github.com/shamanland/fonticon> .