

Figure - Bug #118695
IOVDEV-33582【内部】【VC1】【0106】【台架】【EE环境】【副屏】【launcher】通知列表隐藏通知图标颜色和展开后不一致

2023-06-08 20:50 - CD TEST-方永红

Status:	CLOSED	Start date:	2023-06-08
Priority:	Normal	Due date:	
Assignee:	CD TEST-方永红	% Done:	0%
Category:	依赖客户及其供应商解决	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	0106
Resolution:	--	Degrated:	--
Severity:	Normal	Verified Version:	
Reproducibility:	Every time	Fixed Version:	
Test Type:	ST	Root cause:	
Description			
环境信息】：EE环境 【问题出现时间】：20230608 17:51，第226次开机 【前提条件】：副屏安装今日头条，收到消息通知 【操作步骤】：下拉展开通知列表 【实际结果】：今日头条图标显示不一致 【期望结果】：通知展开与折叠时图标一致 【备注】： https://ofs.human-horizons.com/#!/download/index/yYtZFA6quo4%3D 【副屏版本号】：01.00.0106.C104 【中控版本号】：03.02.0088.C103.02_userdebug_2306021732 【VIN】HRYTTESTVINMGM403			

History

- #1 - 2023-06-09 11:27 - CD FW 曹覃刚
- Status changed from New to ASSIGNED
- Assignee changed from CD FW 曹覃刚 to CD FW-廖涛
- #2 - 2023-06-13 14:05 - CD FW-廖涛
- Assignee changed from CD FW-廖涛 to CD FW-周羚洛
- #3 - 2023-06-13 18:22 - CD FW-廖涛
- Category changed from CD-FW to 依赖客户及其供应商解决
- Status changed from ASSIGNED to NEED_INFO
- Assignee changed from CD FW-周羚洛 to CD TEST-方永红

■ 我的分析

两处图标不同的原因是：两处使用的图标不一致

左侧图片使用的是getLargeIcon
frameworks/base/core/java/android/app/Notification.java

```
5139 private RemoteViews applyStandardTemplate(int resId, StandardTemplateParams p,  
5140 TemplateBindResult result) {  
5141 p.headerless(resId getBaseLayoutResource())
```

```

5142 || resId getHeadsUpBaseLayoutResource()
5143 || resId getMessagingLayoutResource()
5144 || resId R.layout.notification_template_material_media);
5145 RemoteViews contentView = new BuilderRemoteViews(mContext.getApplicationInfo(), resId);
5146
5147 resetStandardTemplate(contentView);
5148
5149 final Bundle ex = mN.extras;
5150 updateBackgroundColor(contentView, p);
5151 bindNotificationHeader(contentView, p);
5152 bindLargeIconAndApplyMargin(contentView, p, result);
5153 boolean showProgress = handleProgressBar(contentView, ex, p);
5154 boolean hasSecondLine = showProgress;
5155 if (p.hasTitle())

{ 5156 contentView.setViewVisibility(p.mTitleViewId, View.VISIBLE); 5157 contentView.setTextViewText(p.mTitleViewId, processTextSpans(p.title)); 5158
setTextViewColorPrimary(contentView, p.mTitleViewId, p); 5159 }

else if (p.mTitleViewId != R.id.title)

{ 5160 // This alternate title view ID is not cleared by resetStandardTemplate 5161 contentView.setViewVisibility(p.mTitleViewId, View.GONE); 5162
contentView.setTextViewText(p.mTitleViewId, null); 5163 }

5164 if (p.text != null && p.text.length() != 0
5165 && (!showProgress || p.mAllowTextWithProgress))

{ 5166 contentView.setViewVisibility(p.mTextViewId, View.VISIBLE); 5167 contentView.setTextViewText(p.mTextViewId, processTextSpans(p.text)); 5168
setTextViewColorSecondary(contentView, p.mTextViewId, p); 5169 hasSecondLine = true; 5170 }

else if (p.mTextViewId != R.id.text)

{ 5171 // This alternate text view ID is not cleared by resetStandardTemplate 5172 contentView.setViewVisibility(p.mTextViewId, View.GONE); 5173
contentView.setTextViewText(p.mTextViewId, null); 5174 }

5175 setHeaderlessVerticalMargins(contentView, p, hasSecondLine);
5176
5177 return contentView;
5178 }

```

右侧图片使用的是getSmallIcon

frameworks/base/packages/SystemUI/src/com/android/systemui/statusbar/notification/stack/SectionHeaderView.java

```

258 private void updateHideNotificationCountAndIcon() {
...
297 Icon icon = entry.getSbn().getNotification().getSmallIcon();
298 if (icon != null && icon.getType() Icon.TYPE_RESOURCE
299 && (icon.getResPackage() null || icon.getResPackage().isEmpty()))
300 && entry.getSbn().getPackageName() != null
301 && entry.getSbn().getNotification().icon != 0)

{ 302 icon = Icon.createWithResource(entry.getSbn().getPackageContext(mContext), 303 entry.getSbn().getNotification().icon); 304 }

305 mImageView.setImageIcon(icon);

```

```
306 mImageView.setBackgroundResource(R.drawable.notification_icon_circle);
307 mImageView.setZ(MAX_NOTIFICATION_ICON_SIZE - mContentNotificationIcons.getChildCount());
308 mContentNotificationIcons.addView(mImageView);
...
-----
```

根据 AOSP 的通知策略，SmallIcon 三方应用应该使用可灰度化的图标（系统会将其着色为主题色），LargeIcon 会保持原样展示。

所以该现象为正常现象，无需处理。

#4 - 2023-06-13 18:23 - CD FW-廖涛

已在 JIRA 上回复。

#5 - 2023-06-17 17:46 - CDTS_TEST 王成

- Status changed from NEED_INFO to RESOLVED

两处图标不同的原因是：两处使用的图标不一致

左侧图片使用的是getLargeIcon

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-----
5139 private RemoteViews applyStandardTemplate(int resId, StandardTemplateParams p,
5140 TemplateBindResult result) {
5141 p.headerless(resId getBaseLayoutResource()
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5143 || resId getMessagingLayoutResource()
5144 || resId R.layout.notification_template_material_media);
5145 RemoteViews contentView = new BuilderRemoteViews(mContext.getApplicationInfo(), resId);
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5147 resetStandardTemplate(contentView);
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5149 final Bundle ex = mN.extras;
5150 updateBackgroundColor(contentView, p);
5151 bindNotificationHeader(contentView, p);
5152 bindLargeIconAndApplyMargin(contentView, p, result);
5153 boolean showProgress = handleProgressBar(contentView, ex, p);
5154 boolean hasSecondLine = showProgress;
5155 if (p.hasTitle())

{ 5156 contentView.setViewVisibility(p.mTitleViewId, View.VISIBLE); 5157 contentView.setTextViewText(p.mTitleViewId, processTextSpans(p.title)); 5158
setTextViewColorPrimary(contentView, p.mTitleViewId, p); 5159 }
else if (p.mTitleViewId != R.id.title)

{ 5160 // This alternate title view ID is not cleared by resetStandardTemplate 5161 contentView.setViewVisibility(p.mTitleViewId, View.GONE); 5162
contentView.setTextViewText(p.mTitleViewId, null); 5163 }
5164 if (p.text != null && p.text.length() != 0
5165 && (!showProgress || p.mAllowTextWithProgress))

{ 5166 contentView.setViewVisibility(p.mTextViewId, View.VISIBLE); 5167 contentView.setTextViewText(p.mTextViewId, processTextSpans(p.text)); 5168
```

```
setTextViewColorSecondary(contentView, p.mTextViewId, p); 5169 hasSecondLine = true; 5170 }
else if (p.mTextViewId != R.id.text)

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contentView.setTextViewText(p.mTextViewId, null); 5174 }
5175 setHeaderlessVerticalMargins(contentView, p, hasSecondLine);
5176
5177 return contentView;
5178 }
```

右侧图片使用的是getSmallIcon
frameworks/base/packages/SystemUI/src/com/android/systemui/statusbar/notification/stack/SectionHeaderView.java

```
258 private void updateHideNotificationCountAndIcon() {
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297 Icon icon = entry.getSbn().getNotification().getSmallIcon();
298 if (icon != null && icon.getType() Icon.TYPE_RESOURCE
299 && (icon.getResPackage() null || icon.getResPackage().isEmpty())
300 && entry.getSbn().getPackageName() != null
301 && entry.getSbn().getNotification().icon != 0)

{ 302 icon = Icon.createWithResource(entry.getSbn().getPackageContext(mContext), 303 entry.getSbn().getNotification().icon); 304 }
305 mImageView.setImageIcon(icon);
306 mImageView.setBackgroundResource(R.drawable.notification_icon_circle);
307 mImageView.setZ(MAX_NOTIFICATION_ICON_SIZE - mContentNotificationIcons.getChildCount());
308 mContentNotificationIcons.addView(mImageView);
...
}
```

根据 AOSP 的通知策略，SmallIcon 三方应用应该使用可灰度化的图标（系统会将其着色为主题色），LargeIcon 会保持原样展示。

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#6 - 2023-06-17 17:46 - CDTS_TEST 王成
- Status changed from RESOLVED to VERIFIED

#7 - 2023-06-17 17:46 - CDTS_TEST 王成
- Status changed from VERIFIED to CLOSED

Files			
Snipaste_2023-06-08_20-49-46.png	825 KB	2023-06-08	CD TEST-方永红