

# NestScrollNote

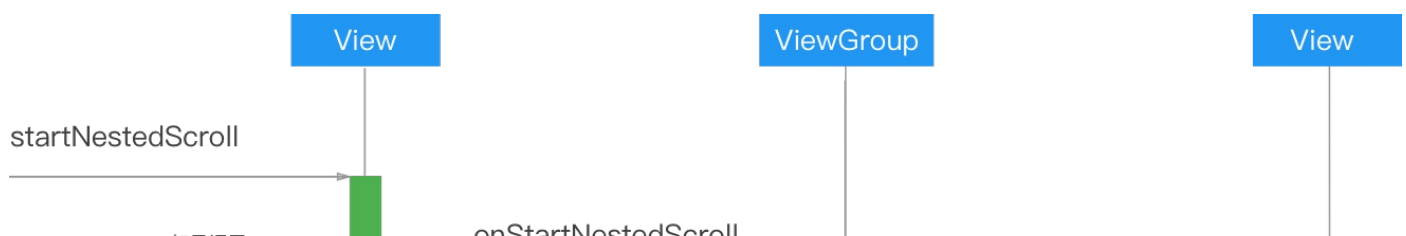
## Lollipop到最新

### View

```
m 🔒 setNestedScrollingEnabled(boolean): void
m 🔒 isNestedScrollingEnabled(): boolean
m 🔒 startNestedScroll(int): boolean
m 🔒 stopNestedScroll(): void
m 🔒 hasNestedScrollingParent(): boolean
m 🔒 dispatchNestedScroll(int, int, int, int, int[]): boolean
m 🔒 dispatchNestedPreScroll(int, int, int[], int[]): boolean
m 🔒 dispatchNestedFling(float, float, boolean): boolean
m 🔒 dispatchNestedPreFling(float, float): boolean
```

### ViewGroup(implements ViewParent)

```
m 🔒 onStartNestedScroll(View, View, int): boolean ↑ViewParent
m 🔒 onNestedScrollAccepted(View, View, int): void ↑ViewParent
m 🔒 onStopNestedScroll(View): void ↑ViewParent
m 🔒 onNestedScroll(View, int, int, int, int): void ↑ViewParent
m 🔒 onNestedPreScroll(View, int, int, int[]): void ↑ViewParent
m 🔒 onNestedFling(View, float, float, boolean): boolean ↑ViewParent
m 🔒 onNestedPreFling(View, float, float): boolean ↑ViewParent
m 🔒 getNestedScrollAxes(): int
```











































# Lollipop之前

support-compat -> android.support.v4.view

## NestedScrollingChild

```
  NestedScrollingChild  
  setNestedScrollingEnabled(boolean): void  
  isNestedScrollingEnabled(): boolean  
  startNestedScroll(int): boolean  
  stopNestedScroll(): void  
  hasNestedScrollingParent(): boolean  
  dispatchNestedScroll(int, int, int, int, int[]): boolean  
  dispatchNestedPreScroll(int, int, int[], int[]): boolean  
  dispatchNestedFling(float, float, boolean): boolean  
  dispatchNestedPreFling(float, float): boolean
```

## NestedScrollingParent

```
  NestedScrollingParent  
  onStartNestedScroll(View, View, int): boolean  
  onNestedScrollAccepted(View, View, int): void  
  onStopNestedScroll(View): void  
  onNestedScroll(View, int, int, int, int): void  
  onNestedPreScroll(View, int, int, int[]): void  
  onNestedFling(View, float, float, boolean): boolean  
  onNestedPreFling(View, float, float): boolean  
  getNestedScrollAxes(): int
```



support-core-ui -> android.support.v4.view

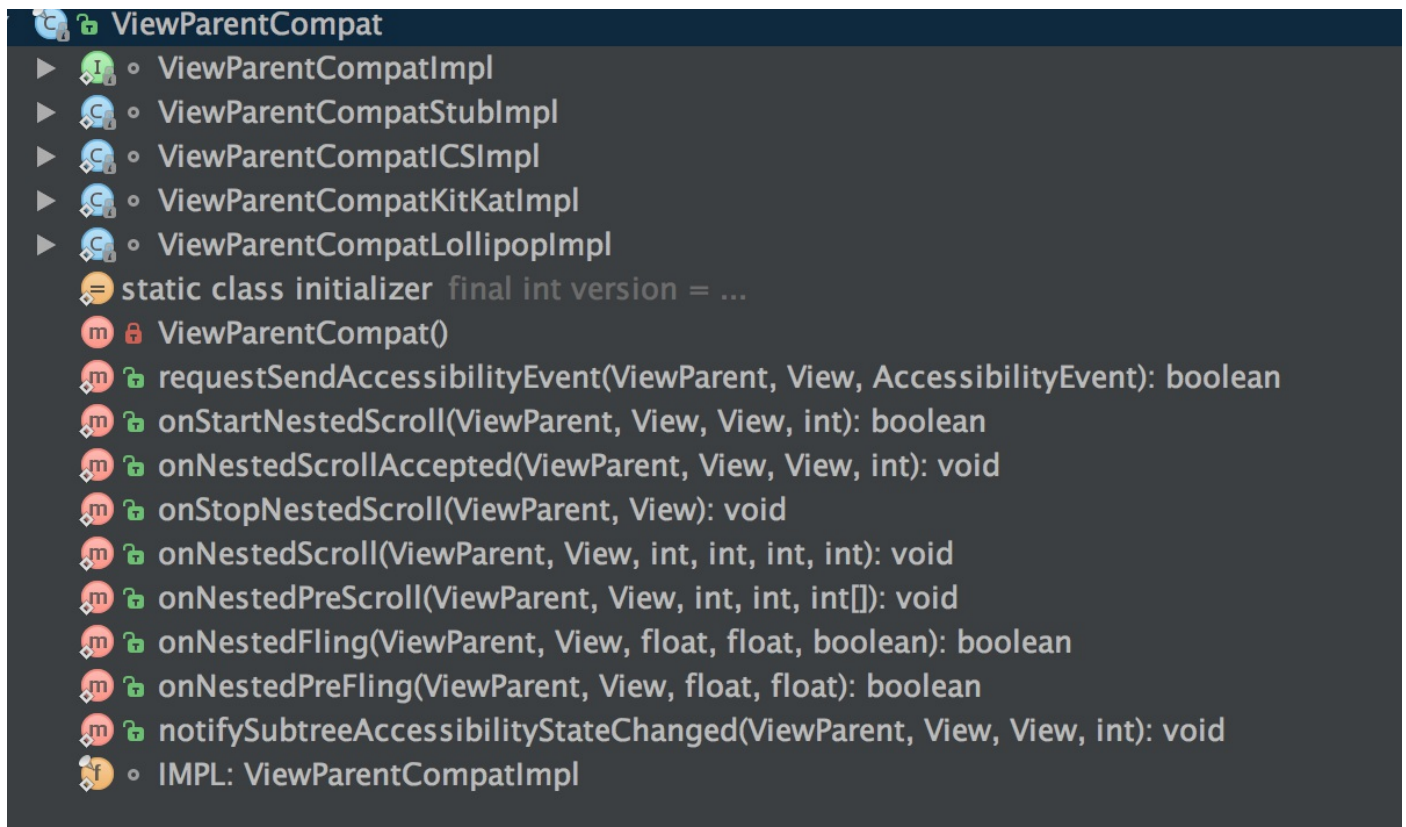
## NestedScrollingChildHelper

```
C NestedScrollingChildHelper
  m NestedScrollingChildHelper(View)
  m NestedScrollingEnabled(boolean): void
  m isNestedScrollingEnabled(): boolean
  m hasNestedScrollingParent(): boolean
  m startNestedScroll(int): boolean
  m stopNestedScroll(): void
  m dispatchNestedScroll(int, int, int, int, int[]): boolean
  m dispatchNestedPreScroll(int, int, int[], int[]): boolean
  m dispatchNestedFling(float, float, boolean): boolean
  m dispatchNestedPreFling(float, float): boolean
  m onDetachedFromWindow(): void
  m onStopNestedScroll(View): void
  f mView: View
  f mNestedScrollingParent: ViewParent
  f mIsNestedScrollingEnabled: boolean
  f mTempNestedScrollConsumed: int[]
```

## NestedScrollingParentHelper

```
C NestedScrollingParentHelper
  m NestedScrollingParentHelper(ViewGroup)
  m onNestedScrollAccepted(View, View, int): void
  m getNestedScrollAxes(): int
  m onStopNestedScroll(View): void
  f mViewGroup: ViewGroup
  f mNestedScrollAxes: int
```

# ViewParentCompat



```
static final ViewParentCompatImpl IMPL;
static {
    final int version = Build.VERSION.SDK_INT;
    if (version >= 21) {
        IMPL = new ViewParentCompatLollipopImpl();
    } else if (version >= 19) {
        IMPL = new ViewParentCompatKitKatImpl();
    } else if (version >= 14) {
        IMPL = new ViewParentCompatICSImpl();
    } else {
        IMPL = new ViewParentCompatStubImpl();
    }
}
```

```
static class ViewParentCompatStubImpl implements ViewParentCompat {
    ...
    @Override
    public boolean onStartNestedScroll(ViewParent parent, View child, int scrollAxis, boolean isDirect) {
        return false;
    }
}
```

```

        int nestedScrollAxes) {
        if (parent instanceof NestedScrollingParent) {
            return ((NestedScrollingParent) parent).onStartNestedScroll(
                nestedScrollAxes);
        }
        return false;
    }
    ...
}

```

```

static class ViewParentCompatKitKatImpl extends ViewParentCompat {

    @Override
    public void notifySubtreeAccessibilityStateChanged(View view,
        View source, int changeType) {
        ViewParentCompat.notifySubtreeAccessibilityStateChanged(
            source, changeType);
    }
}

```

```

static class ViewParentCompatLollipopImpl extends ViewParentCompat {

    @Override
    public boolean onStartNestedScroll(ViewParent parent, View child,
        int nestedScrollAxes) {
        return ViewParentCompatLollipop.onStartNestedScroll(
            parent, child, nestedScrollAxes);
    }
    ...
}

```

```

class ViewParentCompatLollipop {
    private static final String TAG = "ViewParentCompat";
}

```

```
public static boolean onStartNestedScroll(ViewParent parent,
                                           int nestedScrollAxes) {
    try {
        return parent.onStartNestedScroll(child, target,
                                           nestedScrollAxes);
    } catch (AbstractMethodError e) {
        Log.e(TAG, "ViewParent " + parent + " does not implement\n"
              + "method onStartNestedScroll", e);
        return false;
    }
}
...
}
```