**3**

**4**

**5**

**6**

**7**

**8**

**9**

**10**

**11**

**12**

**14**

**28**

toBase64

**13**

**31**

**29**

**32**

**33**

**34**

**14.join**

**15**

toHttpParams

**15.join**

**19**

**18**

included

excluded

source

**path**

**p**

**DashboardActivity**

Location: [Work](mailto:john@work.com) Change Pin UpdateRemoteProfile

File: [Report](mailto:john@home.com).pdf NewPin: 1234

**SendActivity**

**Intent**

**url**: work.com

**path**: ./Report.pdf

**Task Manager App**

**MaliciousActivity**



Private.xls

**DBService**

**Intent**

**NewPin**: 1234

**Intent**

**url**: mal.com

**path**: ./Private.xls



Report.pdf

**MaliciousActivity**

**Intent**

**NewPin**: 5678

**DisplayActivity**

**Webview**

**Intent**

**url**: ben.com

**MaliciousActivity**

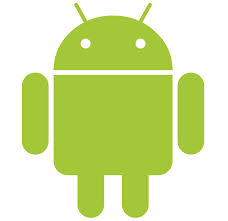
**Intent**

**url:**  mal.com

**Malicious App**

Intent

Activity



**Intent**

**Activity**

**Activity**

**Application**

**Activity**

**Activity**

**Intent**

**Intent**

**Activity**

**Activity**

**Activity**

**Intent-F**

**Intent-F**

**Intent-F**

**Application**

APK File

Preprocessor

Static

Analyzer

Exploit

Generator

Spoofed

Intent

APK File

Preprocessor

Static

Analyzer

Exploit

Generator

Spoofed

Intent

String toBase64(String p)

if(p==null || p.equals(“”)

String path = intent.getStringExtra("path");

String b64File=toBase64(path);

String httpPar=toHttpParams(b64File);

HttpPost post=new HttpPost(url+httPar);

httpC.execute(post);

throw Exception;

String s =Process(p);

return s;

Enter toBase64

if(**p**==null || **p**.equals(“”)

**p**="defaultFile.pdf"

**byte[] bytes**=InputStream.read(**p**);

**String path** = intent.getStringExtra("path");

String **b64File**=toBase64(**path**);

**String httpPar**=toHttpParams(**b64File**,user\_id);

HttpPost post=new HttpPost(**url**+**httPar**);

**String b**=Base64Encoder.toString(**bytes**);

return **b**;

return-site: toBase64;

**path p**

**String url** = intent.getStringExtra("url");

**1**

**2, 3**

**2, 3**

**2, 3**

**2**

**3**

**3**

**2, 3**

**2, 3**

**2, 3**

**2, 3**

String user\_id=getUserID();