Table 1: Activation Properties

	Exported	Activation Location	Activation Guards	Data	#Activities (%)	Reasons				
Straightforward Activation: 42 Activities (22.7%)										
1	Yes	Manifest	No	No	8 (4.3%)	2. Alternate entry (8)				
2	37	CONTROL OF	0.1. 6. 1.01		4 (0 800)	7. Environment (1)				
2	Yes	GUI/Lifecycle	Code-enforced, Discretionary	No	1 (0.5%)	8. Usage patterns (1)				
3	Yes	Manifest	Resource-enforced, Discretionary	No	1 (0.5%)	4.2. Disabled for all end-users (1)				
4	No	Manifest	No	No	4 (2.2%)	2. Alternate entry (4)				
5	No	GUI/Lifecycle	No	No	2 (1.1%)	3.2. Information (1)				
0				100		4.1. Disabled for app version (1)				
			Code-enforced, Discretionary		19 (10.3%)	1. Server (1)				
						3.1. Equipment (2)				
						3.2. Information (1)				
						4.1. Disabled for app version (8)				
6	No	GUI/Lifecycle		No		4.2. Disabled for all end-users (1)				
i i		, ,				 Error handling (3) 				
i i						6.1. Software (2)				
i i						6.2. Hardware (4)				
						7. Environment (2)				
_		CTTT (T. IS	B (1 B) (3.7	m (a afr)	4.1. Disabled for app version (3)				
7	No	GUI/Lifecycle	Resource-enforced, Discretionary	No	7 (3.8%)	4.2. Disabled for all end-users (4)				
Dat	a Support:	45 Activities (24.3%)					000			
8	Yes	Manifest Manifest	No No		20 (10.8%)	2. Alternate entry (20)				
				Yes Yes		3.2. Information (2)				
						6.1. Software (1)				
Н						2. Alternate entry (1)				
9	No					3.1. Equipment (1)				
	No	GUI/Lifecycle/ Other Android	No	Yes	7 (3.8%)	1. Server (3)				
						2. Alternate entry (3)				
10						3.2. Information (1)				
						4.1. Disabled for app version (1)				
\vdash	No	GUI/Lifecycle/ Other Android	Code-enforced, Discretionary		13 (7%)	1. Server (2)				
						3.1. Equipment (1)				
						3.2. Information (1)				
						4.1. Disabled for app version (2)				
11				Yes		4.2. Disabled for all end-users (3)				
11				100		5. Error handling (2)				
						6.1. Software (2)				
						6.2. Hardware (1)				
						8. Usage patterns (2)				
12	No	GUI/Lifecycle	Resource-enforced, Discretionary	Yes	3 (1.6%)	4.1. Disabled for app version (3)				
1		, ,		1 es	3 (1.0/0)	4.1. Disabled for app version (3)				
Dat	a Support	- Location Resolution: 7 Activ	ities (3.8%)			I. a. (0)	000			
			**		4 (0.000)	1. Server (4)				
13	No	App-specific	No	Yes	4 (2.2%)	5. Error handling (1)				
14	No	App-specific	Code-enforced, Discretionary	Yes	3 (1.6%)	1. Server (3)				
Dat	a Support +	- Guard Resolution: 88 Activit	ties (47.6%)				000			

Yes

Yes

Yes

78 (42.2%)

9 (4.9%)

3 (1.6%)

1. Server (24) 2. Alternate entry (12) 3.1. Equipment (9) 4.1. Disabled for app version (5)

1. Server (2)

3.1. Equipment (1)

4.2. Disabled for all end-users (1) 5. Error handling (15) 6.1. Software (7) 6.2. Hardware (4) 7. Environment (4) 1. Server (3) Alternate entry (1)

4.1. Disabled for app version (4) 6.2. Hardware (1) 7. Environment (1)

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6	No	GUI/Lifecycle	Code-enforced, Discretionary	No	19 (10.3%)	4.1. 4.2. 5. E 6.1. 6.2. 7. E					
7	No	GUI/Lifecycle	Resource-enforced, Discretionary	No	7 (3.8%)	4.1.					
Data Support: 45 Activities (24.3%)											
8	Yes	Manifest	No	Yes	20 (10.8%)	2. A 3.2.					

Resource-enforced, Mandatory

Code-enforced, Mandatory

Resource-enforced, Mandatory

Code-enforced, Mandatory

16 No

17 No

18 No GUI/Lifecycle/ Other Android

GUI/Lifecycle

App-specific

Data Support + Location Resolution + Guard Resolution: 3 Activities (1.6%)