

Instruction Mapping from Bytecode to Structure Preserving Representation

The next table displays the mapping of Bytecode (left) instructions to our "Structure Preserving Representation" (right).

putstatic	put
putfield	put
getfield	get
getstatic	get
ldc	ldc
ldc2_w	ldc
ldc_w	ldc
invokeinterface	invoke
invokespecial	invoke
invokestatic	invoke
invokevirtual	invoke
new	new
anewarray	newarray
multianewarray	newarray
newarray	newarray
arraylength	arraylength
athrow	athrow
bipush	push
sipush	push
nop	nop
checkcast	check
instanceof	check
d2f	to
d2i	to
d2l	to
f2d	to
f2i	to
f2l	to
i2b	to
i2c	to
i2d	to
i2f	to
i2l	to
i2s	to
l2d	to
l2f	to
l2i	to
aload	load
aload_0	load
aload_1	load
aload_2	load
aload_3	load
dload	load
dload_0	load

dload_1	load
dload_2	load
dload_3	load
fload	load
fload_0	load
fload_1	load
fload_2	load
fload_3	load
iload	load
iload_0	load
iload_1	load
iload_2	load
iload_3	load
lload	load
lload_0	load
lload_1	load
lload_2	load
lload_3	load
aaload	arrayload
baload	arrayload
caload	arrayload
daload	arrayload
faload	arrayload
iaload	arrayload
laload	arrayload
saload	arrayload
astore	store
astore_0	store
astore_1	store
astore_2	store
astore_3	store
dstore	store
dstore_0	store
dstore_1	store
dstore_2	store
dstore_3	store
fstore	store
fstore_0	store
fstore_1	store
fstore_2	store
fstore_3	store
istore	store
istore_0	store
istore_1	store

istore_2	store
istore_3	store
lstore	store
lstore_0	store
lstore_1	store
lstore_2	store
lstore_3	store
aastore	arraystore
bastore	arraystore
castore	arraystore
dastore	arraystore
fastore	arraystore
iastore	arraystore
lastore	arraystore
sastore	arraystore
areturn	return
dreturn	return
freturn	return
ireturn	return
lreturn	return
return	return
ret	return
aconst_null	const
dconst_0	const
dconst_1	const
fconst_0	const
fconst_1	const
fconst_2	const
iconst_m1	const
iconst_0	const
iconst_1	const
iconst_2	const
iconst_3	const
iconst_4	const
iconst_5	const
lconst_0	const
lconst_1	const
dadd	add
fadd	add
iadd	add
ladd	add
iinc	add
ddiv	div
fdiv	div

idiv	div
ldiv	div
dmul	mul
fmul	mul
imul	mul
lmul	mul
ishl	mul
ishr	mul
iushr	mul
lshl	mul
lshr	mul
lushr	mul
dneg	neg
fneg	neg
ineg	neg
lneg	neg
drem	rem
frem	rem
irem	rem
lrem	rem
dsub	sub
fsub	sub
isub	sub
lsub	sub
dcmpg	if
dcmpl	if
fcmpg	if
fcmpl	if
lcmp	if
if_acmpeq	if
if_acmpne	if
if_icmpeq	if
if_icmpge	if
if_icmpgt	if
if_icmple	if
if_icmplt	if
if_icmpne	if
ifge	if
ifgt	if
ifle	if
iflt	if
ifne	if
ifnonnull	if
ifnull	if
jsr	if
jsr_w	if

goto	if
goto_w	if
dup	dup
dup_x1	dup
dup_x2	dup
dup2	dup
dup2_x1	dup
dup2_x2	dup
iand	and
land	and
ior	or
lor	or
ixor	xor
lxor	xor
lookupswitch	switch
tableswitch	switch
monitorenter	monitor
monitorexit	monitor
pop	pop
pop2	pop
swap	swap
wide	wide

Prefixes of app makers

The following table contains the main package prefixes of app makers. These makers enable users to implement Android apps without coding and cause false positives in the repackaged app detection.

App Maker Prefixes
com.andromo
appinventor
com.appbuilder
com.appsbuilder
com.conduit
com.guidebook
getapp
com.getappandroid
com.appypie
com.appsgeyser
shappii_corp
com.appmachine
com.goodbarber
com.makemedroid
com.mobincube
com.h2omobileapps
com.mobileappsgallery
com.appmaker
com.appmakr
com.ceoappmaker
com.chownow
com.crowdcompass
com.fitnessmobileapps
com.mytoursapp
de.apptitan
se.appsson
com.androapp
com.presspadapp
com.magazinecloner
com.mobileroadie
com.appexpress
it.pgmobapp
com.apptive
tw.com.appstudio
com.appbyme
com.appsbar
com.mobappcreator
biz.buildapps
com.gamesalad
io.appery