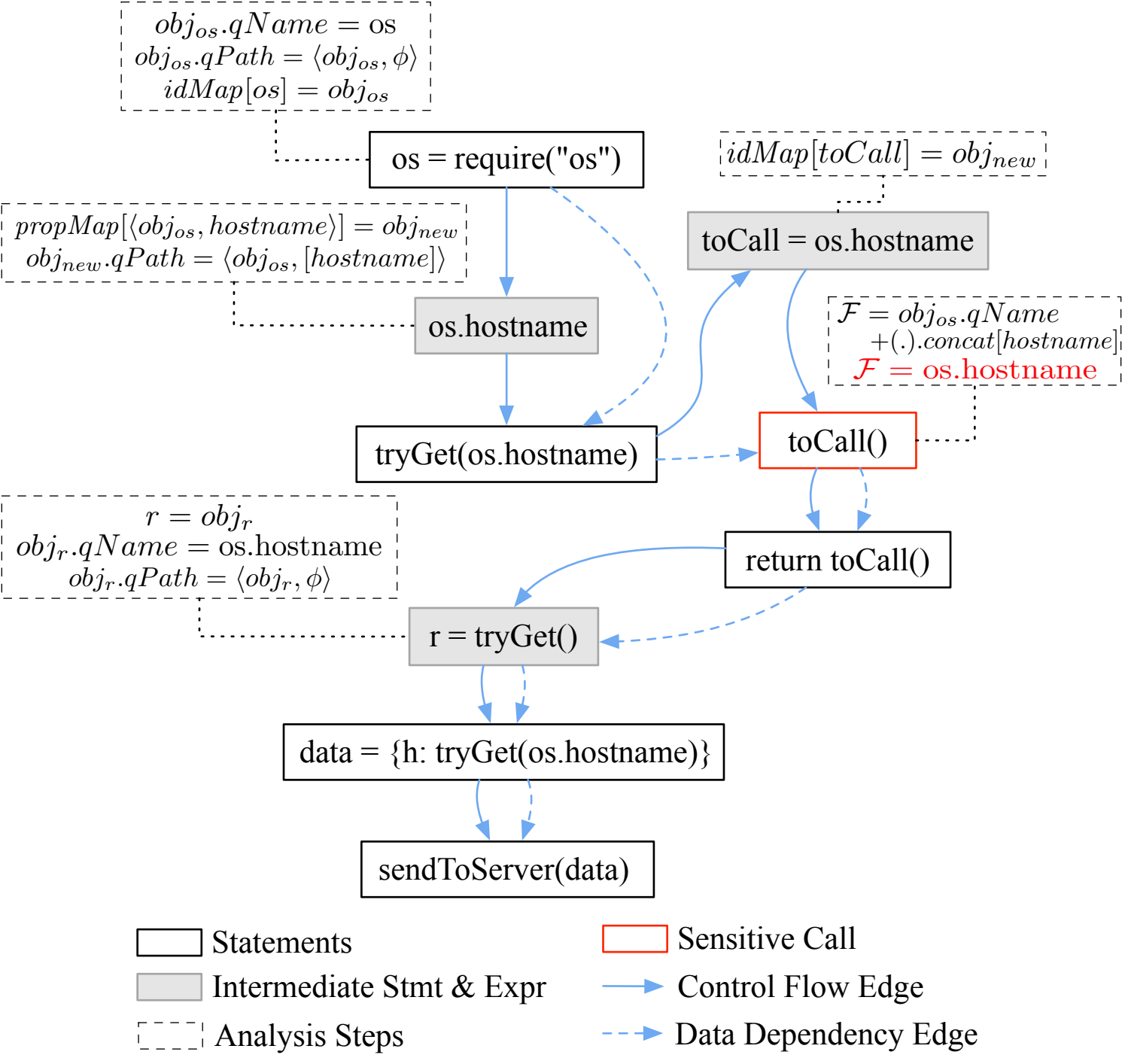
$obj_{os}.qName = \text{os}$
$obj_{os}.qPath = \langle obj_{os}, \phi \rangle$
$idMap[os] = obj_{os}$
os = require("os")
$idMap[toCall] = obj_{new}$
$propMap[\langle obj_{os}, hostname \rangle] = obj_{new}$
$obj_{new}.qPath = \langle obj_{os}, [hostname] \rangle$
toCall = os.hostname
os.hostname
$\mathcal{F} = obj_{os}.qName$
$+(.).concat[hostname]$
$\mathcal{F} = \text{os.hostname}$
tryGet(os.hostname)
toCall()
$r = obj_r$
$obj_r.qName = \text{os.hostname}$
$obj_r.qPath = \langle obj_r, \phi \rangle$
return toCall()
r = tryGet()
data = {h: tryGet(os.hostname)}
sendToServer(data)
Statements
Intermediate Stmt & Expr
Analysis Steps
Sensitive Call
Control Flow Edge
Data Dependency Edge