

Lina: An EDSL for Threat Analysis

```
-- Internal Attack Tree
data IAT where
  Base  :: ID -> IAT
  OR    :: ID -> IAT -> IAT -> IAT
  AND   :: ID -> IAT -> IAT -> IAT
  SEQ   :: ID -> IAT -> IAT -> IAT
```

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```
-- Attributed Process Attack Tree
data APAttackTree attribute label = APAttackTree {
  process_tree :: IAT,
  labels :: B.Bimap label ID,
  attributes :: M.Map ID attribute
}
```