From Concept to Deployment
The Life (and Death) of Security Features

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BlackBerry Public
Smashing the Stack for Fun and Profit

*Aleph One*

StackGuard: Automatic Adaptive Detection and Prevention of Buffer-Overflow Attacks

*Crispan Cowan et. al.*
Stack Cookies

- StackGuard v2
- Visual Studio
- GCC Adopts ProPolice
- -fstack-protector-strong
- Attack
- ProPolice
- GCC Developers Summit, v3
- Linux Expo
- Arch
- Usenix Test of Time
- 1996
- 1998
- 2000
- 2002
- 2004
- 2006
- 2008
- 2010
- 2012
- 2014
Limiting Access to an Android Service

```xml
<permission
    android:name="android.permission.READ_CALL_LOG"
    android:protectionLevel="dangerous"
/>
```
Selling Security Features

Is Entrepreneurship
The Diaper Bag
The Diaper Bag

1. Limited Space
2. Little/No Training
Which would you want?
The Diaper Bag

1. Limited Space
2. Little/No Training
3. Already Partially Filled
Getting a Tool in the Diaper Bag
Getting a Tool in the Diaper Bag

1. Replace something
2. Make it Small
3. Add to something
4. Put it on the baby
Tipping Points

1. Get it in the Diaper Bag
2. Legislative Changes
3. Public Pressure