lexumo

Open Source Code Security

Dan McCall
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Open Source Software Today

90% deploy open source

43% **CONCERNED** about **VULNERABILITIES** related to open source code

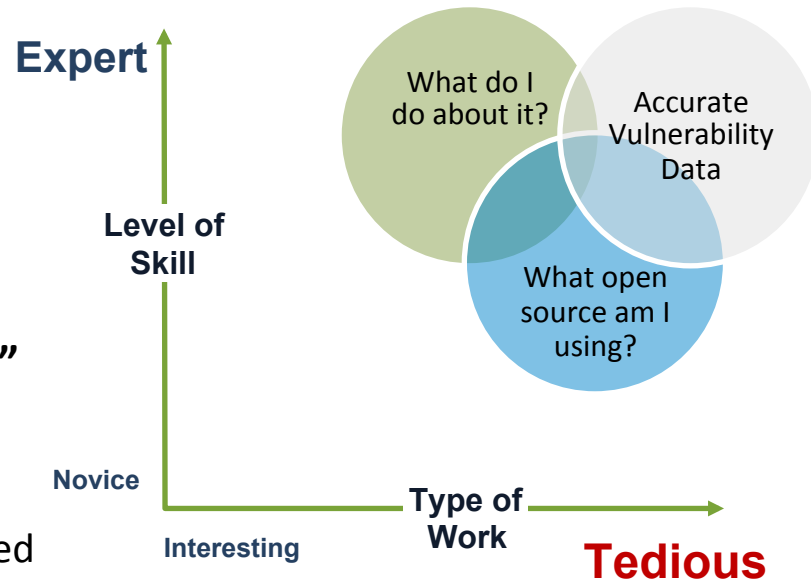Have the **RIGHT SKILLS** to develop open source solutions **32%**

Heartbleed flaw starting cost **$500m**. Actual cost still rising.

No Free Lunch

Security is Tedious, Expensive and Skillful Work

- **National Vulnerability Database (NVD) only enumerates security flaws**
  - Version information is often missing or incomplete
  - Doesn't tell you how to fix it

- **Just identifying what you have takes and expert**

- **It's not as simple as "upgrade to the latest version"**

- **Must continually check for new vulnerabilities**
  - Dozens of data sources must be queried and monitored

Expert

Level of Skill

Novice

Interesting

Type of Work

Tedious

What do I do about it?

Accurate Vulnerability Data

What open source am I using?

A new approach is required
Big-data techniques, machine-learning and advanced analytics are the answer

Alerts alone aren't enough
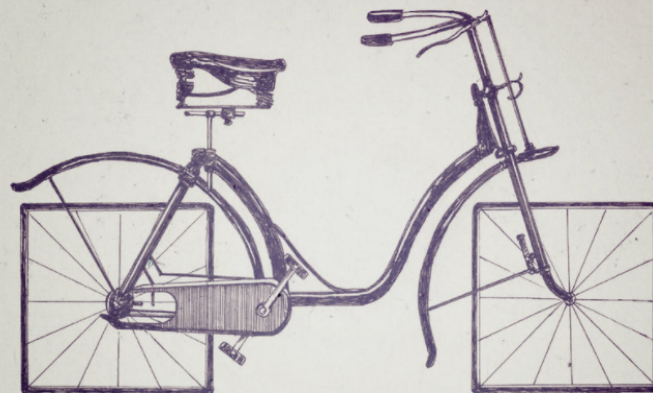Developers and security professional don't need another problem…
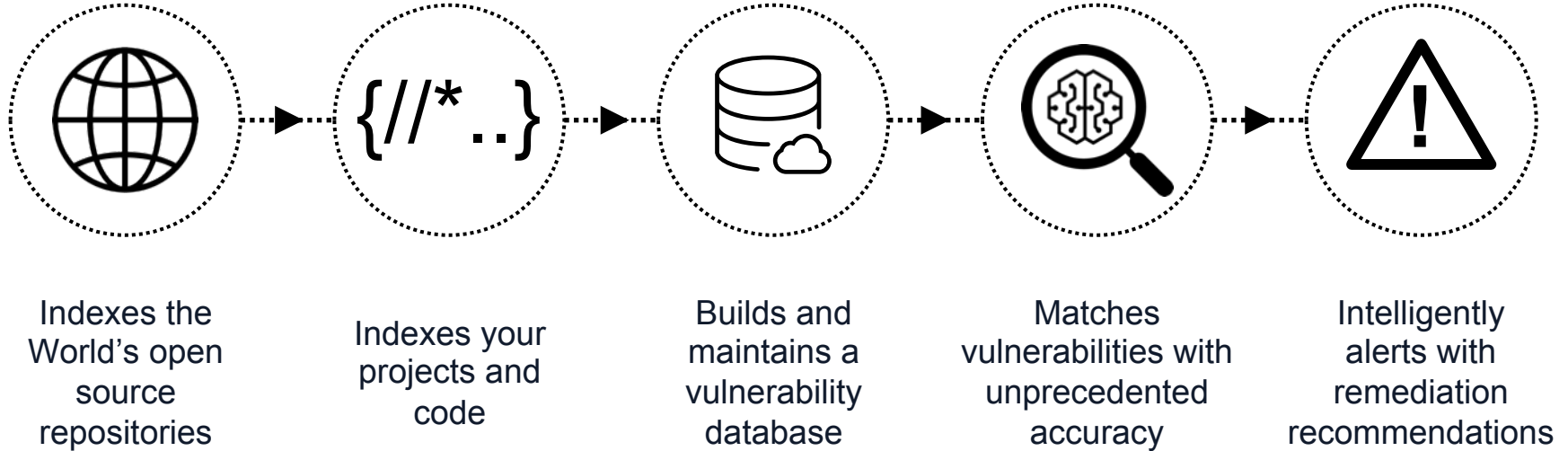
Automation is the key
Take the human out of the loop

Accuracy is everything
Accuracy is speed

PLENTY OF ROOM FOR INNOVATION

How Lexumo Works

Indexes the World's open source repositories

Indexes your projects and code

Builds and maintains a vulnerability database

Matches vulnerabilities with unprecedented accuracy

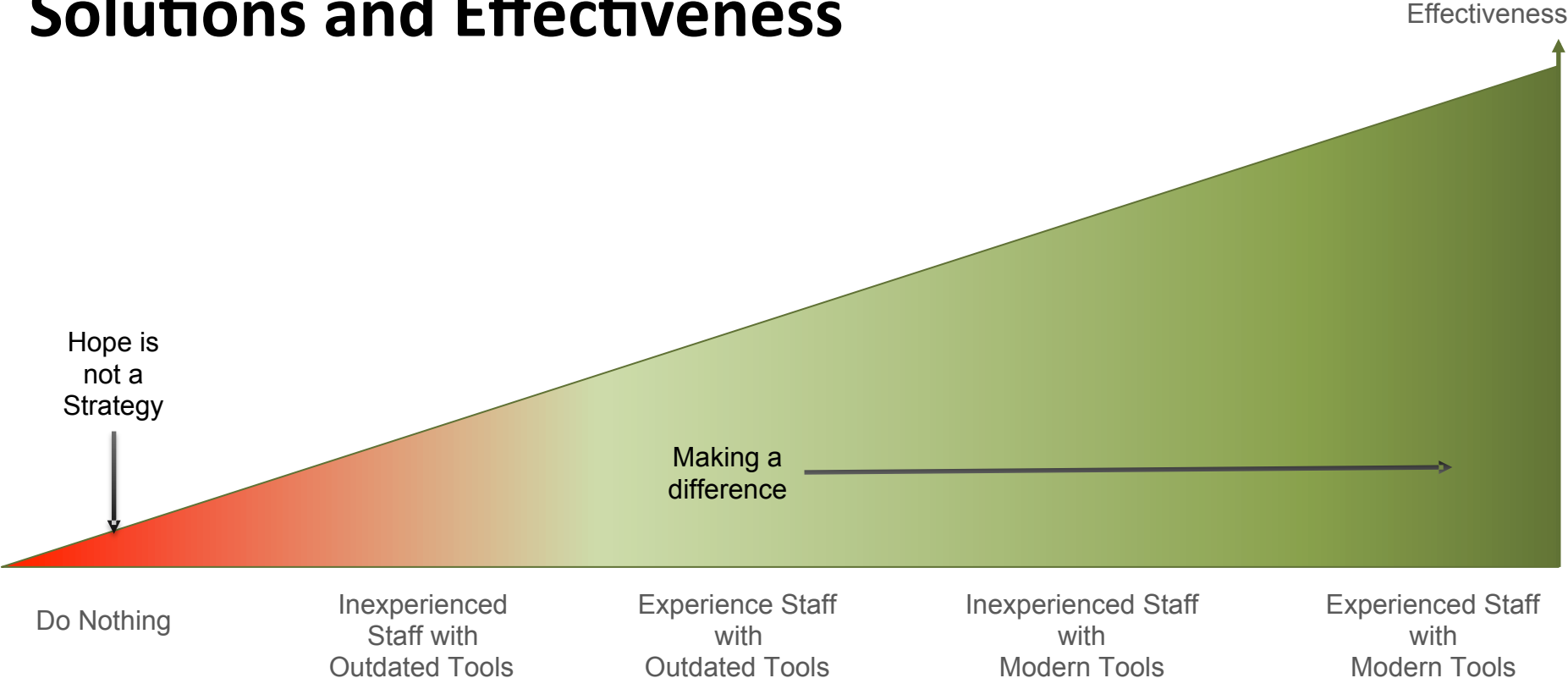Intelligently alerts with remediation recommendations
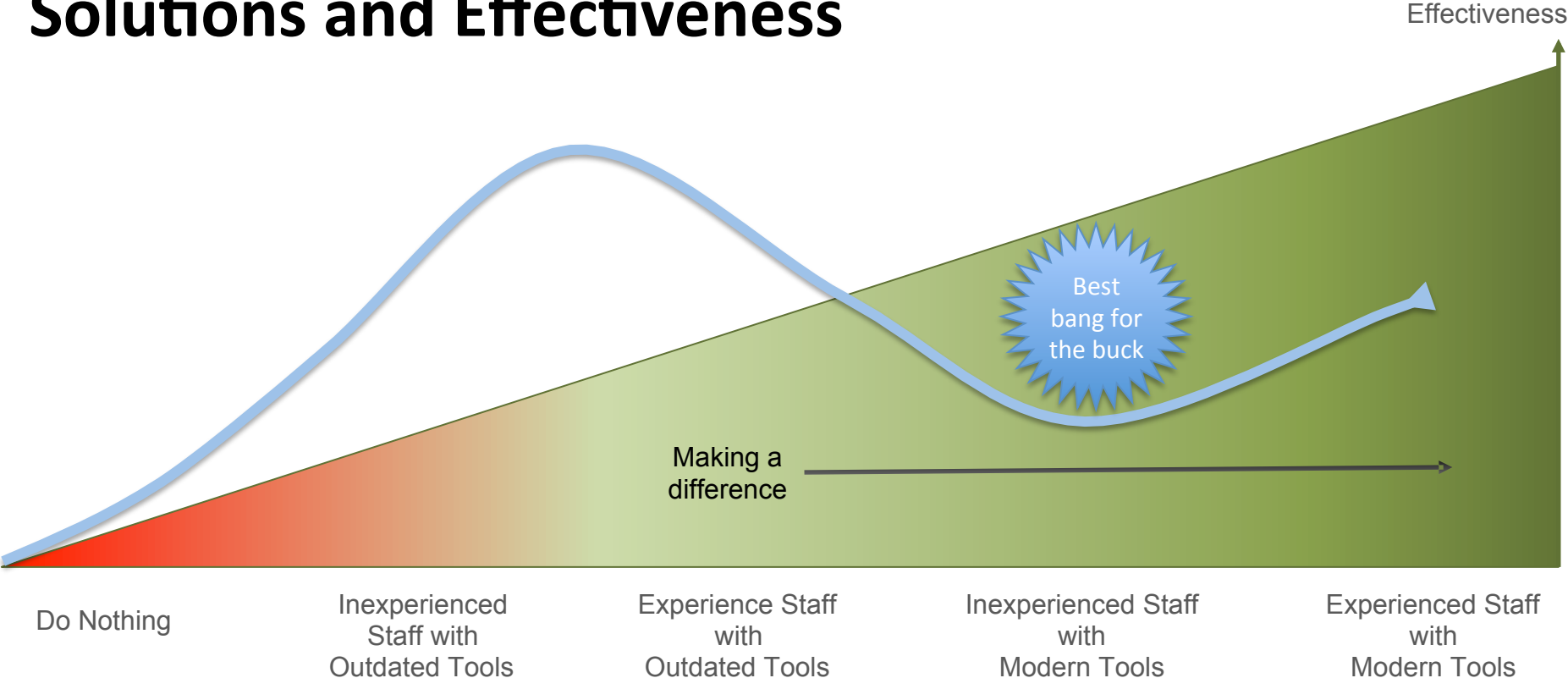
Use Case – IoT Speaker Company
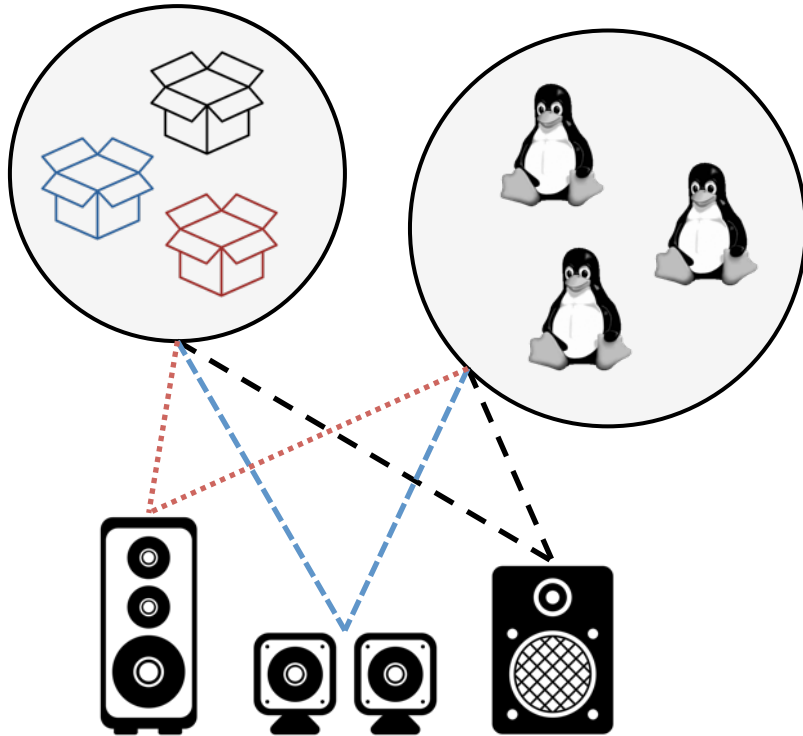
- **Primary Driver: Brand Risk**

- **4 Person Security Team augmented with Lexumo's service**

- **Lexumo platform identified 22,000 vulnerabilities -AND- eliminated 17,000 of them as "not a threat"**

- **Customer is expanding program with new languages and licensing/ compliance tools**

Solutions and Effectiveness

Effectiveness

Hope is
not a
Strategy

Making a
difference

Do Nothing

Inexperienced
Staff with
Outdated Tools

Experience Staff
with
Outdated Tools

Inexperienced Staff
with
Modern Tools

Experienced Staff
with
Modern Tools

Solutions and Effectiveness

Effectiveness

Best bang for the buck

Making a difference

Do Nothing

Inexperienced Staff with Outdated Tools

Experience Staff with Outdated Tools

Inexperienced Staff with Modern Tools

Experienced Staff with Modern Tools

Help us Help You

We are offering participants in this program a free pilot. First come first serve...

Talk to me or one of our staff here today and learn more