dsapps

distributed security apps

IOT security

CRUNCH NETWORK
Why IoT Security Is So Critical

Posted Oct 24, 2015 by *Ben Dickson (@bendee983)*

8,200 SHARES

By 2020, the number of active wireless connected devices will exceed 40 billion.

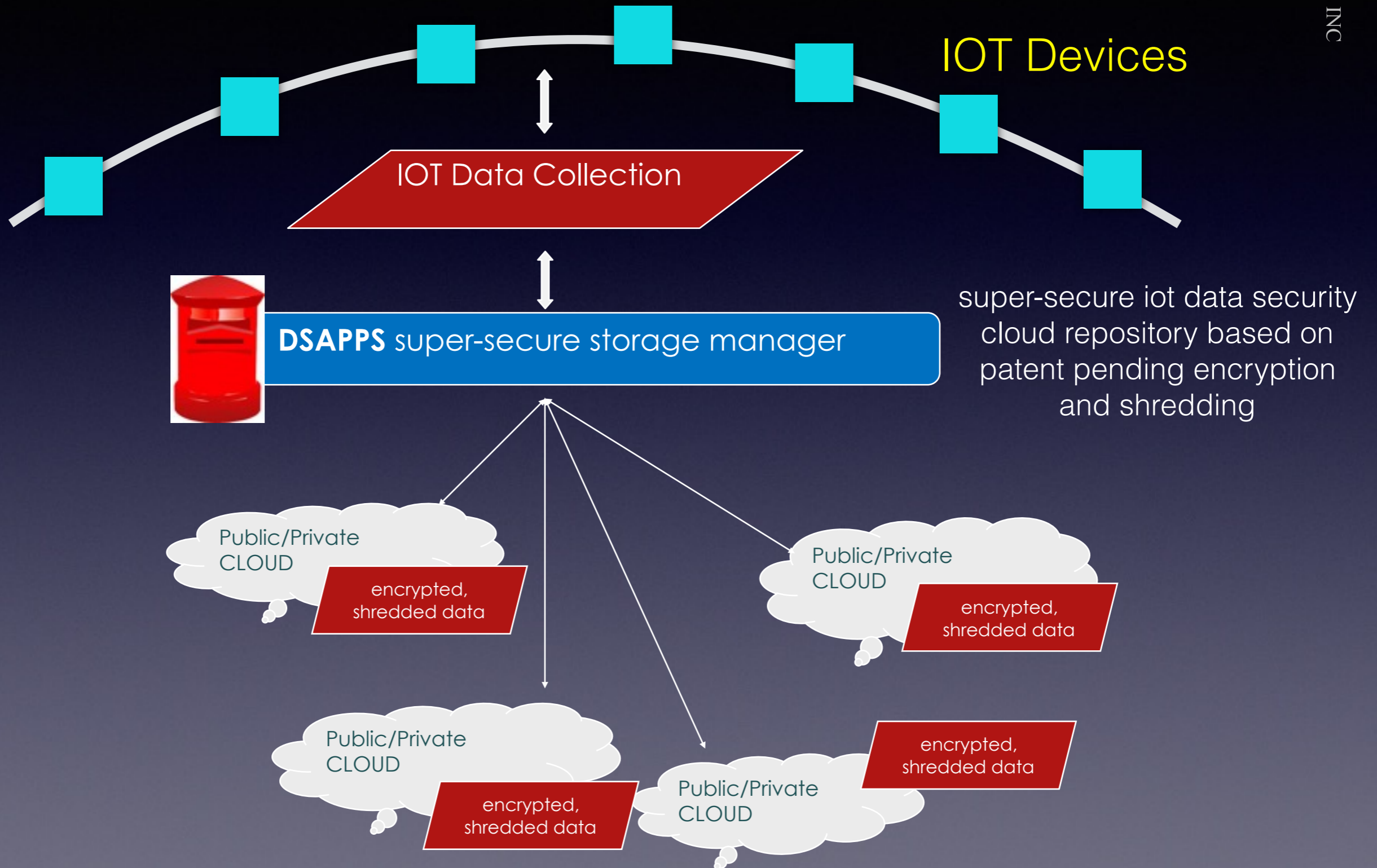*More connected devices mean more attack vectors and more possibilities for hackers to target us.*

In 2014 over 75 percent of enterprises faced data security breach.

IoT-related data security must ensure the privacy of consumers and the functionality of businesses and corporations.

dsapps IOT security solutions

- **IOT Data Security** Ensure the Confidentiality, Integrity and Availability of IOT generated data

- **Automated IOT security automation** Customizable and automatically launched remediation templates for investigating and correcting detected IOT security abnormalities.
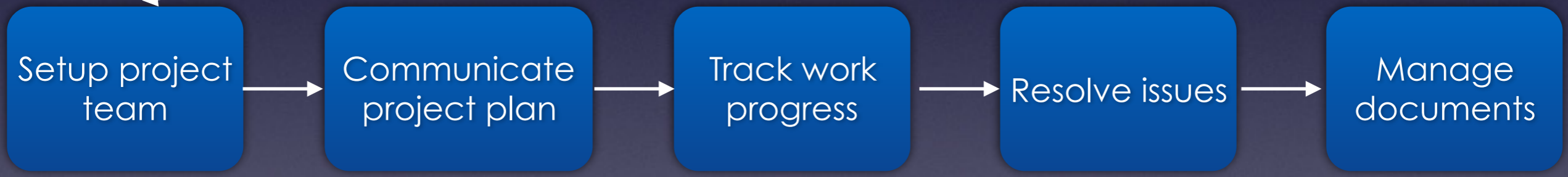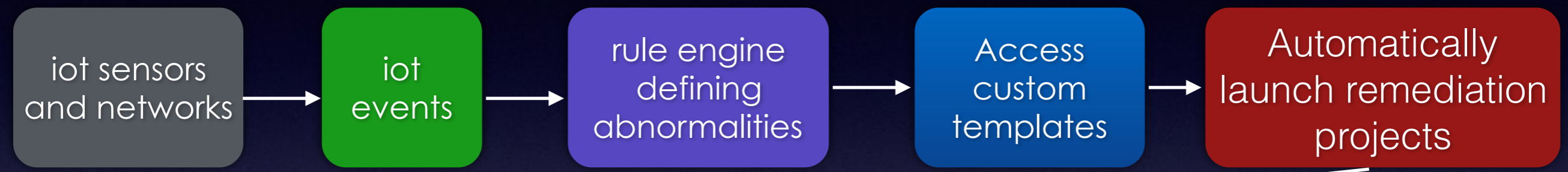
IOT Data Security

IOT Devices

IOT Data Collection

DSAPPS super-secure storage manager

super-secure iot data security cloud repository based on patent pending encryption and shredding

Public/Private CLOUD

encrypted, shredded data

Public/Private CLOUD

encrypted, shredded data

Public/Private CLOUD

encrypted, shredded data

Public/Private CLOUD

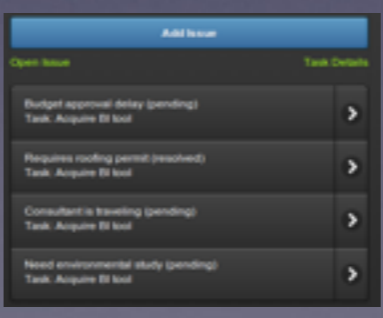encrypted, shredded data

Benefits of dsapps IOT data security

▶ Super-secure patent ending technology - data encrypted, shredded

▶ Eliminates 'data at rest' leakages

▶ Eliminates 'man-in-the-middle' data in motion attacks

▶ Eliminates limitations of encryption - brute force attacks eliminated

▶ Protects against insider threat - data center insiders no data access

▶ Abnormality detection wrapper protects each shredded instance

▶ Machine learning algorithms for threat pattern detection, improved reliability and performance

IOT Security Automation Process

iot sensors and networks → iot events → rule engine defining abnormalities → Access custom templates → Automatically launch remediation projects

Setup project team → Communicate project plan → Track work progress → Resolve issues → Manage documents

Status Dashboard with color coded action buttons

- 🟩 On track
- 🟥 Late
- 🟨 Slow or has issues
- ⬜ Completed
- ⬜ Not started yet

IOT security automation benefits

▶ Automatically launch security remediation projects and processes based on abnormalities and security alerts

▶ Supports customizable remediation project templates and rules

▶ Team enabled collaborative project and knowledge management platform

▶ Mobile and cloud support

▶ BI and Big Data Analytics Support - integrated with IBM, SAP, MICROSOFT, ORACLE analytic tools

DSAPPS

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