

RSAC Studio



Connect **to**
Protect

The First 12

**An Hour-by-Hour Breakdown of a
Threat Actor Inside Your Environment**

ARMOR™

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ECSA, LPT

HEAD OF THREAT RESEARCH
& DEVELOPMENT, ARMOR

@CynjaChaseC



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0100 HOURS

Target Observation & Selection

Finding the
Slow Gazelle



0200 HOURS

Do the
Homework

Map & Detail
the Network,
Users & Data
Points



0300 HOURS

Plot the
Operations

Dropping the
Crosshairs



0400 HOURS

Begin the
Attack

Poking Away
at Easy
Access Points



0500 HOURS

Find
Weakness
in the
Defense

Unlocking
the Door

Hour 6



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0600 HOURS

Gain
Glorious
Access

Let the
Data Flow



RSA[®]Conference2016



0700 HOURS

Become
Just
Another
User

Hiding
Inside the
Network
Shadows



0800 HOURS

Plot the
Exfiltration

Planning the
Escape with
Your Data

Hour 9



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0900 HOURS

Steal
Everything

It's Not
Bolted
Down?
Take it.

Hour 10



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1000 HOURS

Set Up
Future
Access

The Lucrative
Link to
Unfettered
Entry



1100 HOURS

Walk Out
the Front
Door

The Silent
Exit



1200 HOURS

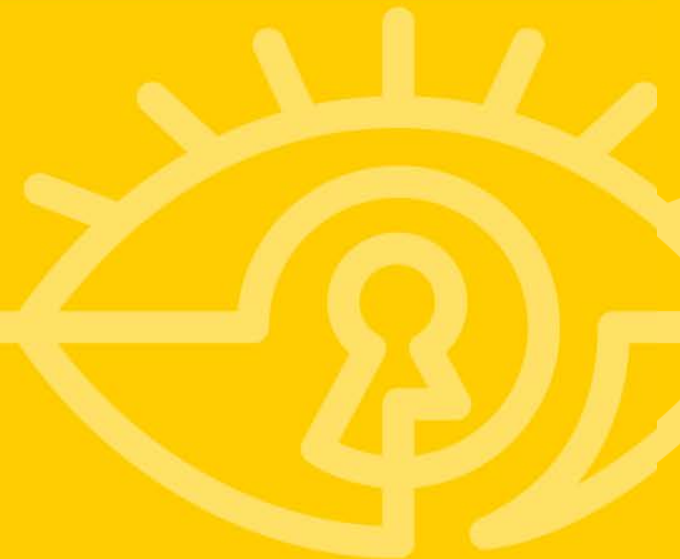
Sell Your
Secrets

Cashing In
on the
Breach



Steps You Can Take So This Doesn't Happen To You

ARMOR™



Changes to Apply Immediately



Find a Leader

Place someone in charge of cybersecurity who has the backing of the CEO.



Patch Everything

Update all patches across the board; out-of-date systems represent the most common security vulnerabilities.

Five Long-Term Objectives



Know Your Data

Design and implement a data classification program.
You can't defend what you don't understand.



Five Long-Term Objectives



Build a VTM Plan

Build a thorough vulnerability and threat management (VTM) program that will keep patches constantly updated and identify points of risk.



Create the Culture

Make security a culture change. Educating employees is more than sending one email a year with a simple multiple-choice test.

Five Long-Term Objectives



Layer Up

Implement a multilayered security environment that not only identifies and defeats inbound threats, but also watches and mitigates outbound traffic.



Five Long-Term Objectives



Be Honest

Decide if this is a war you can win with in-house resources. If there is even a little doubt, outsource to proven and trusted cybersecurity experts.

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