



Use SQL to corrupt their databases...

# ChMS Security

# SQL Injection

**How to drop a database with a single quote and a semicolon**

# A Basic SQL Statement

```
SELECT * FROM People WHERE FirstName = 'Anakin';
```

SQL Injection happens when we replace part of our query with user input.

# User Input Isn't Just Search Parameters



**'; DROP TABLE TempTable; SELECT ' DbTeamFamily**

Member

Protection Profile: Medium

Unknown

# The SQL Executed During Attack

If our user input is a first name of:

**' ; DROP TABLE People; SELECT '**

Our SELECT query is now three separate queries.

```
SELECT * FROM People WHERE FirstName = ' ';  
DROP TABLE People;  
SELECT ' ';
```

# Social Engineering

**Work emails aren't the only places phishing attacks occur**

# **Kristin Jeffries**

Creative Arts Co-Director

[kristin@thecrossingchurch.com](mailto:kristin@thecrossingchurch.com)

Kristin was [born and raised in Columbia](#). She began attending The Crossing as a high school student and became involved with the preschool and elementary large group teams while studying theatre at Stephens College. Through many years of serving in Crossing Kids, including three years as an intern, it became clear that Kristin had a heart for children's ministry. After [marrying her husband, Dustin, in May of 2014](#), she left the world of theatre and dance to join the Crossing Kids team full-time in January of 2015.

As the Early Childhood Programming Director, Kristin oversees the preschool and little ones' teaching and worship teams, assists with family events, and creates early childhood curriculum. She loves leading worship and being involved in family events.



kristin jeffries the knot



## Kristin Cooksey and Dustin Jeffries Wedding Registry

**Kristin** Cooksey and Dustin **Jeffries** from COLUMBIA, MO have registered at for their wedding on May 24, 2014. Browse all their registries in one list.



kristin cooksey columbia mo



Columbia Daily Tribune

<https://www.columbiatribune.com> › lifestyle › 2009/04/02

## HONOR ROLL: Rock Bridge High School, First Semester

Apr 2, 2009 — **Columbia** Daily Tribune ... Peter Colman, **Kristin Cooksey**, Hannah Cossey, Tanner Craigmile, Tessa Crawford, ... 2023 [www.columbiatribune.com](http://www.columbiatribune.com).



Kristin Cooksey



city, state



**Kristin Cooksey** • Age 32 / Jan 1991

[View Profile](#)

 Columbia, MO

**ALSO KNOWN AS**

Kristin M Cooksey • Kristin Jeffries

**RELATED TO**

[Darrell Cooksey, 64](#) • [Diana Cooksey, 64](#) • [Courtney Cooksey](#) • [Dustin Jeffries, 35](#) • [James Jeffries, 61](#) • [Gemma Riccardi, 65](#) • [Brian Cooksey, 37](#)

**HAS LIVED IN**

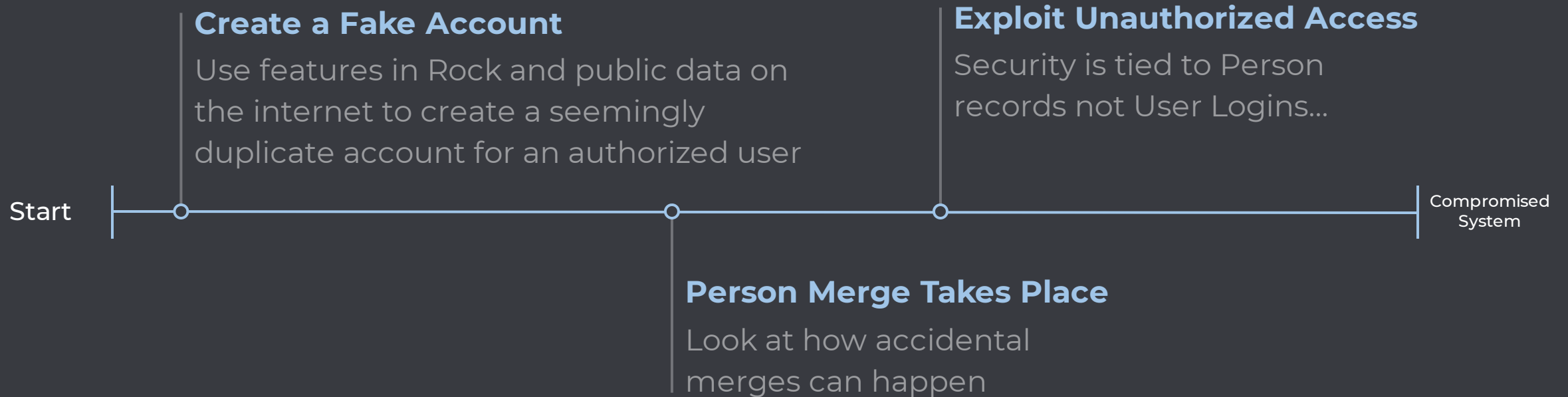
Columbia, MO

# Rock RMS Person Merge Attack

**Why you should only allow specifically trained individuals to merge records**

# Timeline of Attack

## Rock RMS Person Merge Attack



# Rock RMS Merge Warning

## Merge Records

Add Another Person



**CRITICAL SECURITY ALERT:** One or more of the records has a login. This could be an attempt to hijack the account. Additionally, this person will be prompted to reconfirm before they can login.

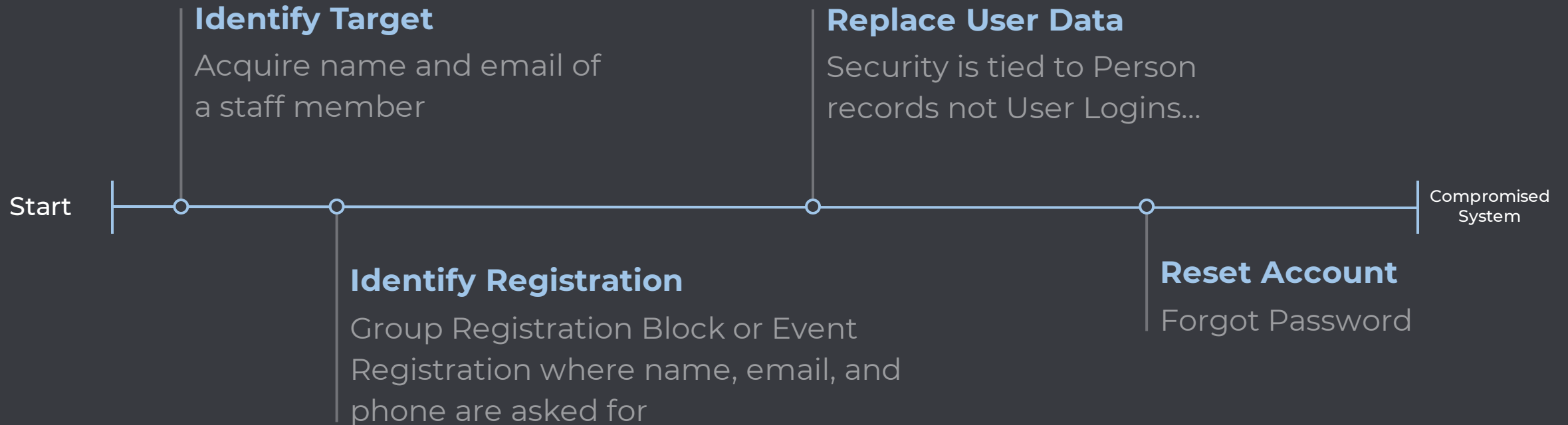
**ADDITIONALLY, ONE OR MORE OF THESE RECORDS IS A MEMBER OF A SECURITY ROLE WITH ELEVATED PRIVILEGES.**

# Rock RMS Account Hijacking

**How to shoot yourself in the foot by disabling security settings**

# Timeline of Attack

## Rock RMS Account Hijacking




# Rock RMS Security Settings

We'll ignore the recommendation and leave duplicate checking enabled for all profiles.

We highly recommend that you prevent duplicate detection for individuals with an Account Protection Profile of High and Extreme

Disable Duplicate Checking for the Following Protection Profiles 


☐ Low ☐ Medium ☐ High ☐ Extreme

Allow Merges of Account Protection Profile - High 

RSR - Data Integrity Worker

Allow Merges of Account Protection Profile - High 

RSR - Rock Administration

Disable Usage of Personal Tokens for the Following Protection Profiles 

☐ Low ☐ Medium ☐ High ☒ Extreme

# Update User Data Via Registration

## Person

First Name \*

Kristin

Last Name \*

Jeffries

Mobile \*

1 ▾

573550102

Email \*



kristin@thecrossingchurch.com





# THE **crossing**<sup>®</sup>

## ROCK SANDBOX

Below are your current usernames at The Crossing

**Username:** testuseraccount

[Reset Password](#)

### **The Crossing**

3615 Southland Dr.

Columbia, MO 65201

(573) 256-4410

[thecrossingchurch.com](http://thecrossingchurch.com)

# Security Via Obscurity

**Isn't actually security**