IGNITE! PRESENTATIONS TECHNICAL CONCEPTS

Utilizing xAPI to Track Learning
Objectives and Skill/Competencies to
Drive Business Decisions and Dynamically
Adapt Training Content

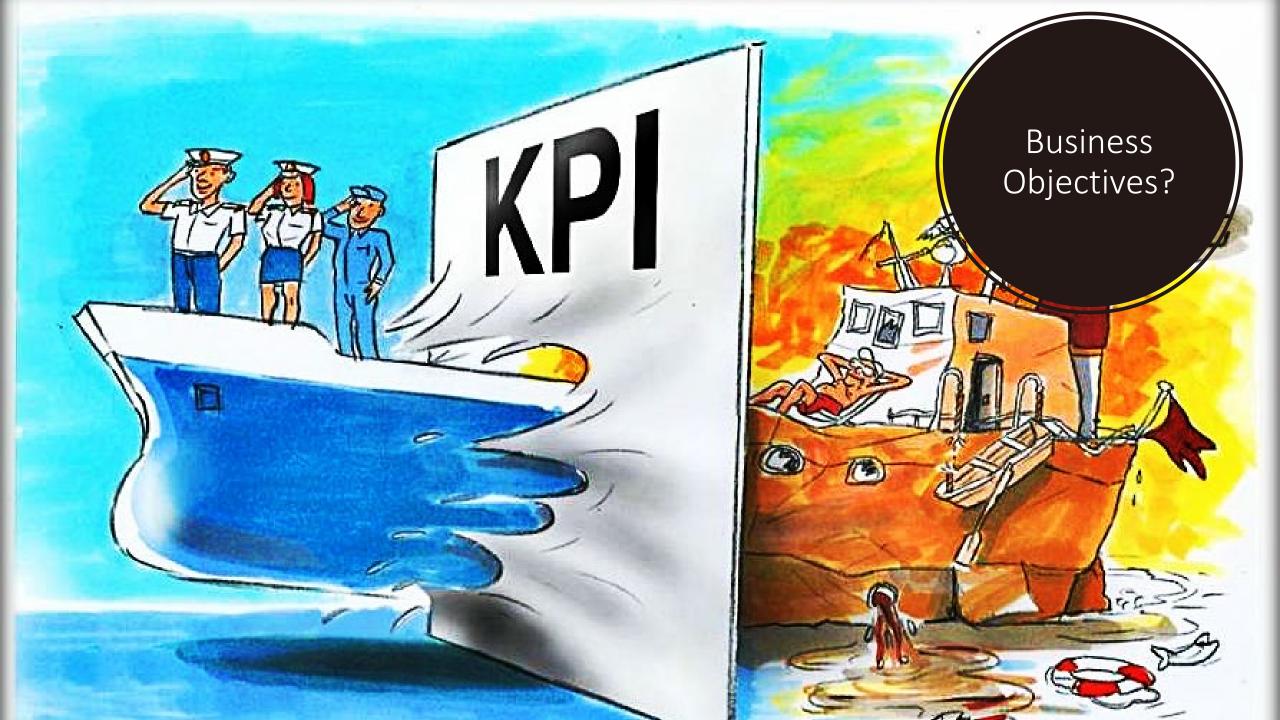
Paul Schneider, Ph.D dominKnow

Social: #ADLiFEST | WiFi: HILTON_MEETING / Password: ADLiFEST #FEST

Utilizing xAPI to Track Learning Objectives and Skill/Competencies to Drive Business Objectives

Paul Schneider, PhD Paul.Schneider@dominKnow.com dominKnow



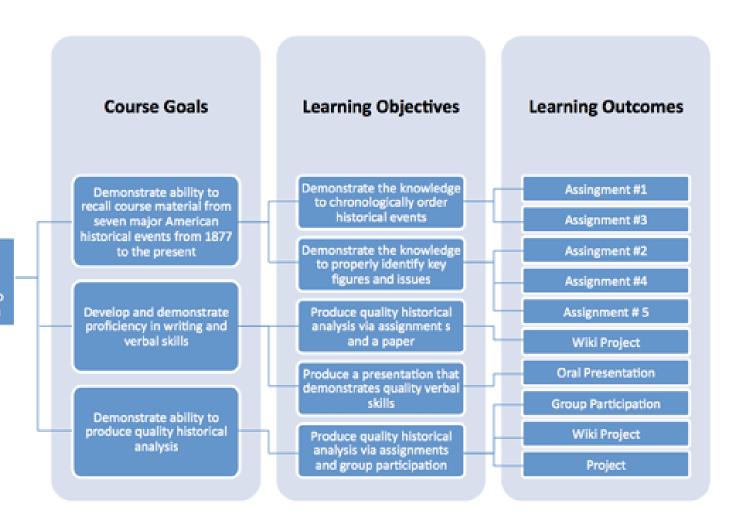






What is a Learning Objective

Course Description: In this course, you will be examining the period of the Industrial Revolution to the American Modern Era





Think About It

dominKnow's Learning Object

▼ 1.1 Types of Security Threats

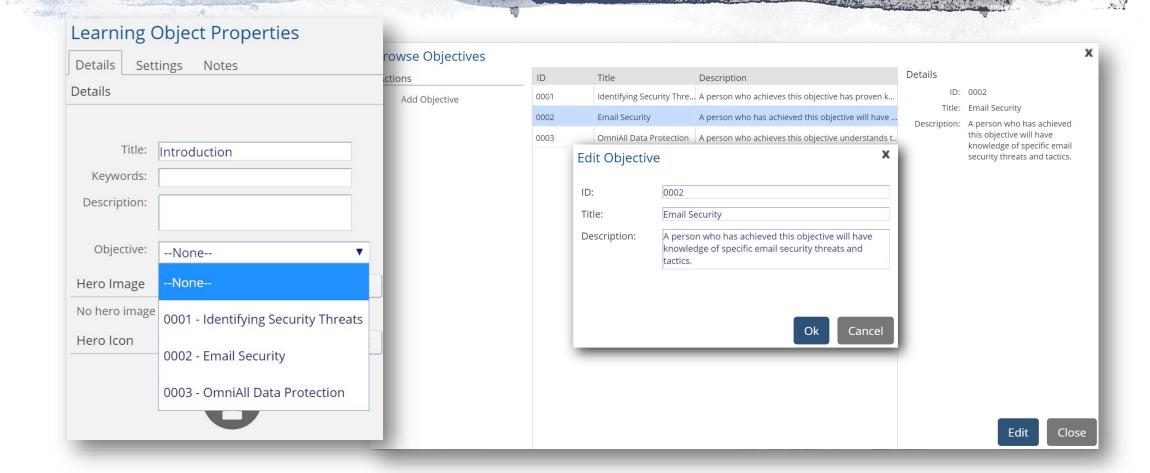
- 7.1.1 Malware and Social Engineering
- 1.1.2 Botnets, DDoS Attacks, Hacking, W
- ▼ Test Questions
 - Sample Multiple Choice Question
 - Sample Multiple Pulldowns Question
 - 2 02_Fill in the Blanks
 - 7 06_Short Answer

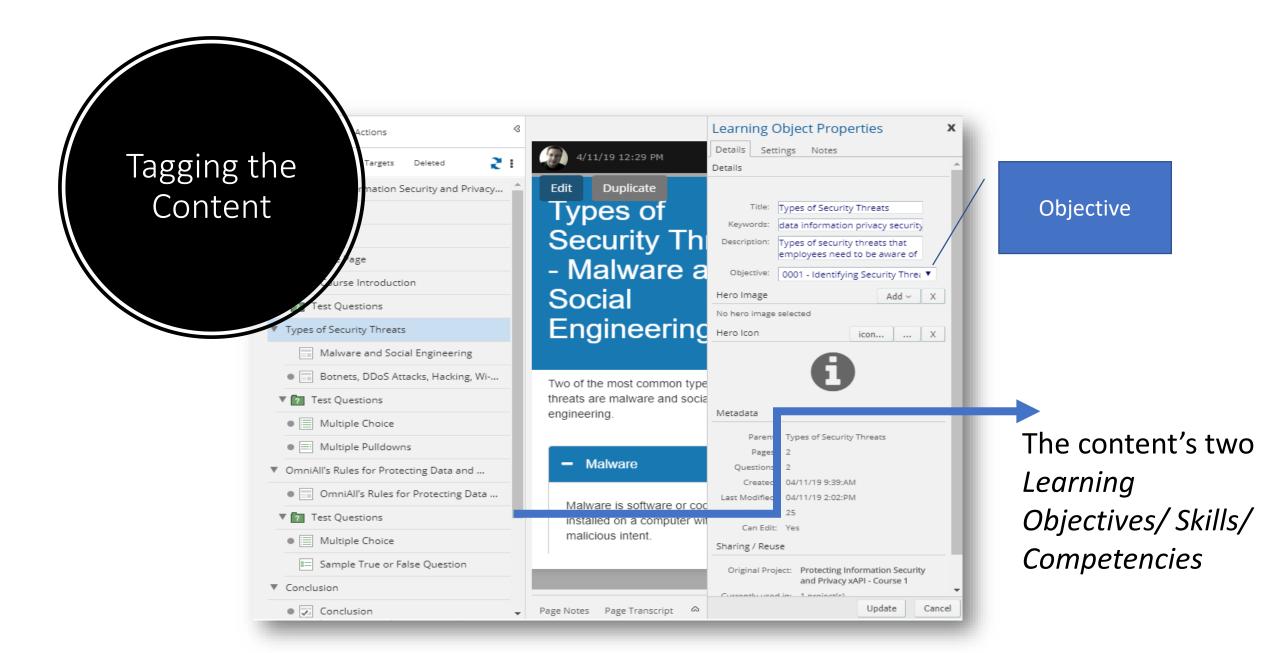
Statement Love

RZ1M1FOZQY|paul.schneider@dominknow.com :https://cloud.scorm.com completed 'Learning Object'

```
"id": "50cf9d18-4ed1-4d6b-a46e-f2c587e7f418"
  "objectType": "Agent",
  "account": {
  "homePage": "https://cloud.scorm.com",
  "name": "RZ1M1FOZQY|paul.schneider@dominknow.com"
 "id": "http://activitystrea.ms/schema/1.0/complete",
  "display": {
  "en-US": "completed"
 "result": {
 "completion": true
 "context": {
  "extensions": {
  "http://id.tincanapi.com/extension/browser-info": {
   "os": "windows",
   "osVersion": 10.
   "browser": "chrome",
   "browserVersion": 75,
   "userAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/75.0.3770.142 Safari/537.36"
  "contextActivities": {
  "parent": [
     "id": "https://demo.authr.it/activities/module/200967"
     "objectType": "Activity"
     "id": "https://demo.authr.it/activities/course/100769",
     "objectType": "Activity"
 "timestamp": "2019-08-07T00:07:21.799Z",
 "stored": "2019-08-07T00:07:22.640Z",
 "authority":
  "objectType": "Agent",
  "account": {
  "homePage": "http://cloud.scorm.com",
  "name": "h8O1xEUvLKV7I6HhnvA"
  "name": "Unnamed Account"
 "version": "1.0.0",
 "object": {
 "id": "https://demo.authr.it/activities/object/602126",
  "definition": {
  "name": {
   "en-US": "Learning Object"
   "description": {
   "en-US": ""
  "type": "http://adlnet.gov/expapi/activities/objective"
  "objectType": "Activity"
```

Setup the Skill/Objectives



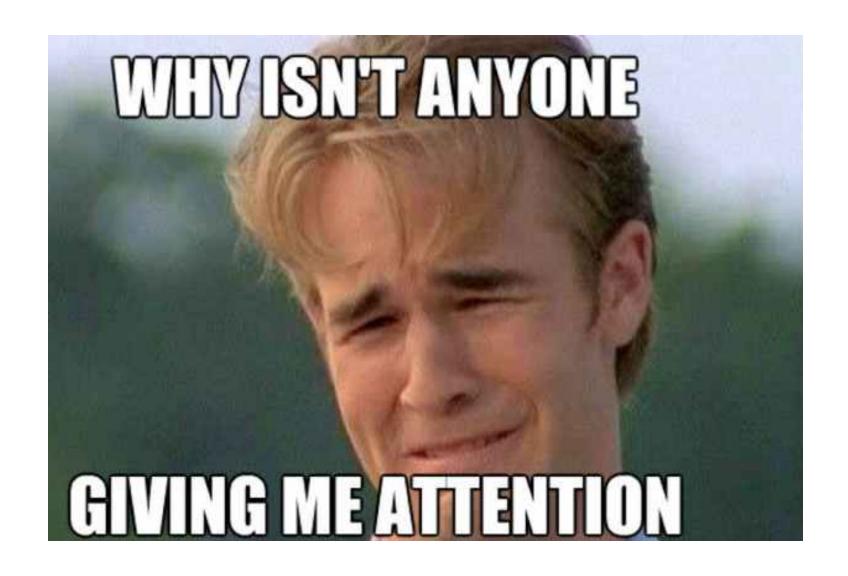


Statement Love

Skill Info

```
nomerage : nccps://cioud.scorm.com
        "name": "RZ1M1FOZQY|paul.schneider@dominknow.com"
"verb": {
    "id": "http://www.dominknow.com/xapi/verbs/objective_complete",
   "display": {
        "en-US": "completed the objective"
"context": {
   "extensions": {
        "http://www.dominknow.com/xapi/extensions/learning_object_iri": "https://linuxsaas.dev.dominknow.co
        "http://www.dominknow.com/xapi/extensions/objective_client_id": "ID1",
        "http://id.tincanapi.com/extension/browser-info": {
            "os": "windows",
            "osVersion": 10.
            "browser": "chrome",
            "browserVersion": 76,
            "platform": "desktop",
            "userAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
    "contextActivities": {
        "parent": [
               "id": "https://linuxsaas.dev.dominknow.com/FlowFeature/activities/module/200294",
               "objectType": "Activity"
               "id": "https://linuxsaas.dev.dominknow.com/FlowFeature/activities/course/100286",
               "objectType": "Activity"
```

Personalized learning...

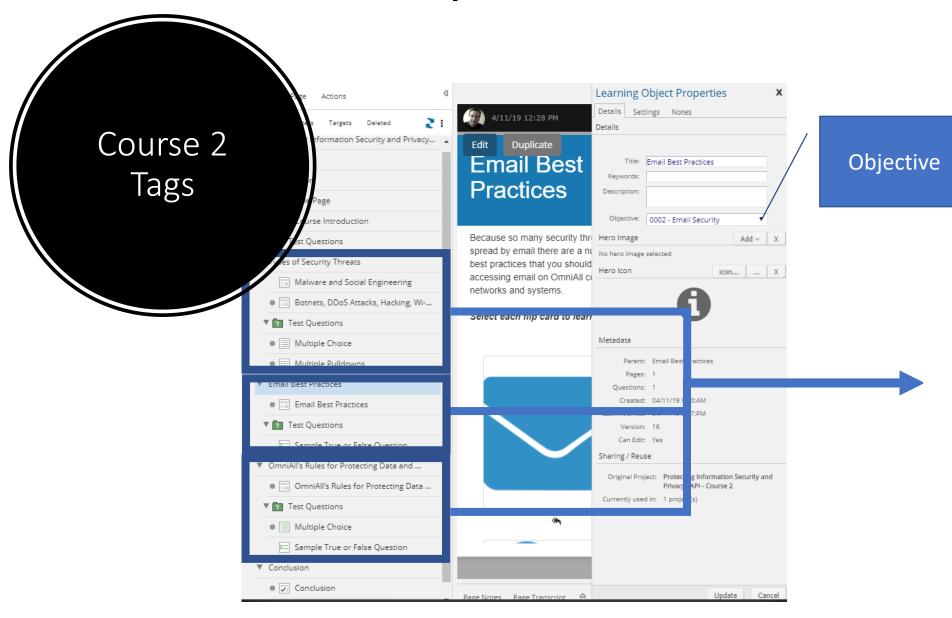


Х

Details Options	Navigation	Behav	vior	
SCORM Settings				
② Exit Behavior:		SCORM Recommended ▼		
Forced Commit Interval:		5000		
Completion Status:		Default ▼		
Completion Criteria:		Learning/Testing ▼		
② Support High ASCII Characters:				
xAPI Settings				
Objective Adaptation:	Off	•		
xAPI Statements	Off			
② Anonymize User De	Across Pro	jects	ments:	
② Includ	In Same Project ments: ments: ments:			
② Include Outline Statements:				
② Include Resource Statements:				
nclude Glossary Statements: 📝				
② Include Citation Statements:				
☐ Include Drag and Drop Statements: ☑				
Include Action Statements:				
② Include Media Statements:				
② Include Element Content Statements:				
nclude Browser Information In Statements:				
	Up	date	Delete	Cancel

Auto Adaptive Publishing

Security Course: Two

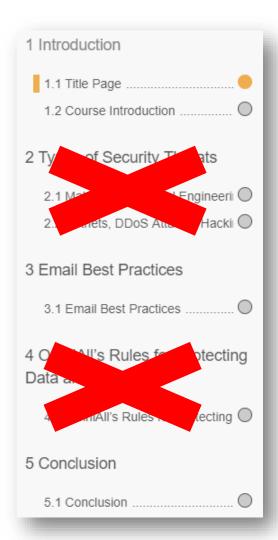


The content's three *Learning Objectives/ Skills/ Competencies*

Two are the same objectives as before (could be different content)

Security Course: Two

What is happening?



- User who hasn't completed the competency
 All incomplete competencies are shown
- User who has completed original content Content automatically adapts and only new competencies are shown
- For all:

Tracking for completion of each activity is the same

Users get completions

Competencies completed are same....

When completed in what learning experience will different (parent ID to the competencies)

I DON'T KNOW WHO YOU ARE. I DON'T KNOW WHAT YOU WAN

Some great xAPI resources! >>



xAPI Resources <noreply@dominknow.com> to me ▼

Thank you for participating in the xAPI presentation!

To access xAPI resources and samples, click here



xAPI Resources MakingBetter

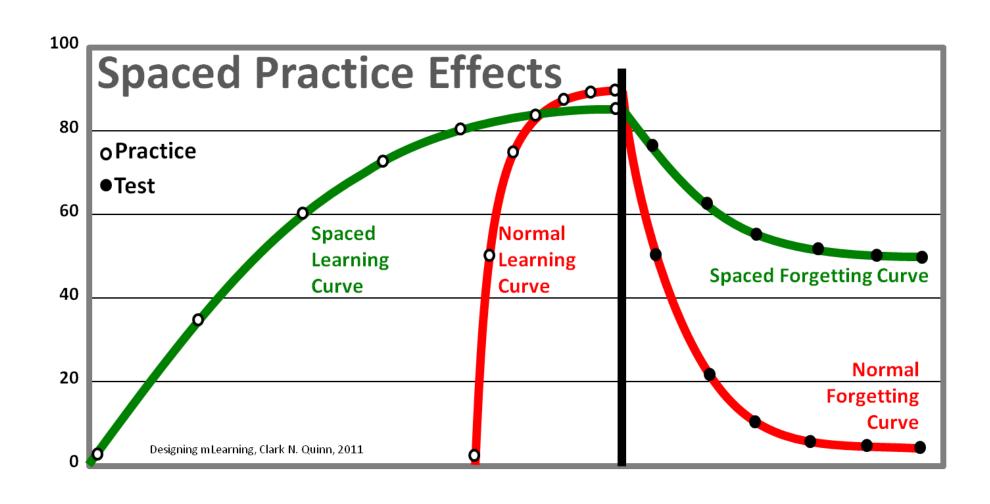
Non Traditional Forms of learning

BUT IF YOU DON'T STOP SENDING ME INVITATIONS TO CIRCLES", I WILL FIND YOU, AND

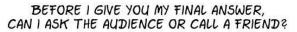
Voiding Statements

```
"verb": {
    "id": "http://www.dominknow.com/xapi/verbs/objective complete",
    "display": {
       "en-US": "completed the objective"
"context": {
   "extensions": {
       "http://www.dominknow.com/xapi/extensions/learning object iri": "https://linuxsaas.dev.dominknow.co
       "http://www.dominknow.com/xapi/extensions/objective client id": "ID1",
       "http://id.tincanapi.com/extension/browser-info": {
            "os": "windows",
           "osVersion": 10,
            "browser": "chrome",
            "browserVersion": 76,
           "platform": "desktop
            "userAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
    "contextActivities
        "parent": [
                "id": "https://linuxsaas.dev.dominknow.com/FlowFeature/activities/module/200294",
                "objectType": "Activity"
                "id": "https://linuxsaas.dev.dominknow.com/FlowFeature/activities/course/100286",
                "objectType": "Activity"
```

Time to Really Learn!

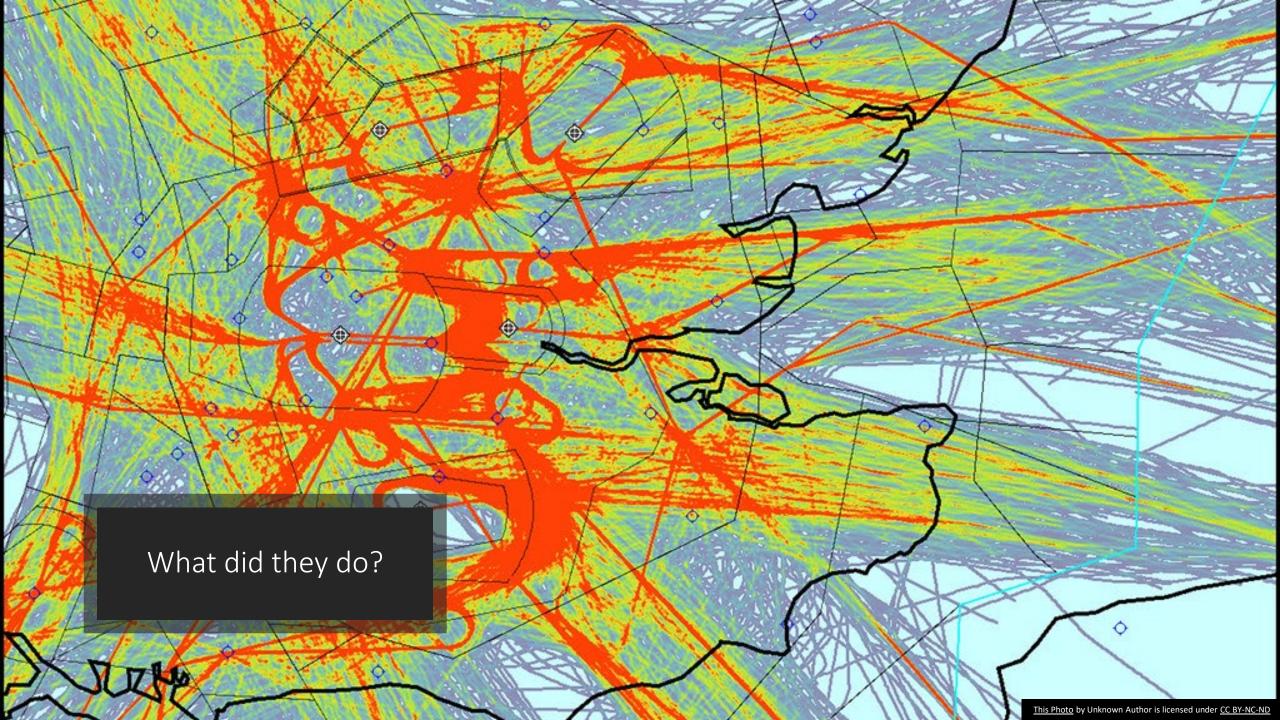


Collaborative Learning?









What Could You Do?



"Your recent Amazon purchases, Tweet score and location history makes you 23.5% welcome here."