MITRE ENGENUITY | Center for Threat Informed Defense

ATT&CK Workbench

November 2021

The Center for Threat-Informed Defense

A **privately funded research and development organization** focused on advancing the state of the art and the state of the practice in threat-informed defense.

Serves as the **focal point for the Threat-Informed Defense Community**, driving applied research and advanced development to improve cyber defense at scale for the global community.

Brings together the best security teams from around the world to identify and **solve the most-pressing problems facing cyber defenders**.

Collaborating to change the game

Members as of October 2021

+

MITRE

SOLVING PROBLEMS FOR A SAFER WORLD™

Membership is:

- ✓ Highly-sophisticated
- ✓ Global & cross-sector
- ✓ Non-governmental
- ✓ Committed to collaborative R&D in the public interest

The center
by the numbers

Mission
1

Members
29

Months Old
24

Ideas in Pipeline
39

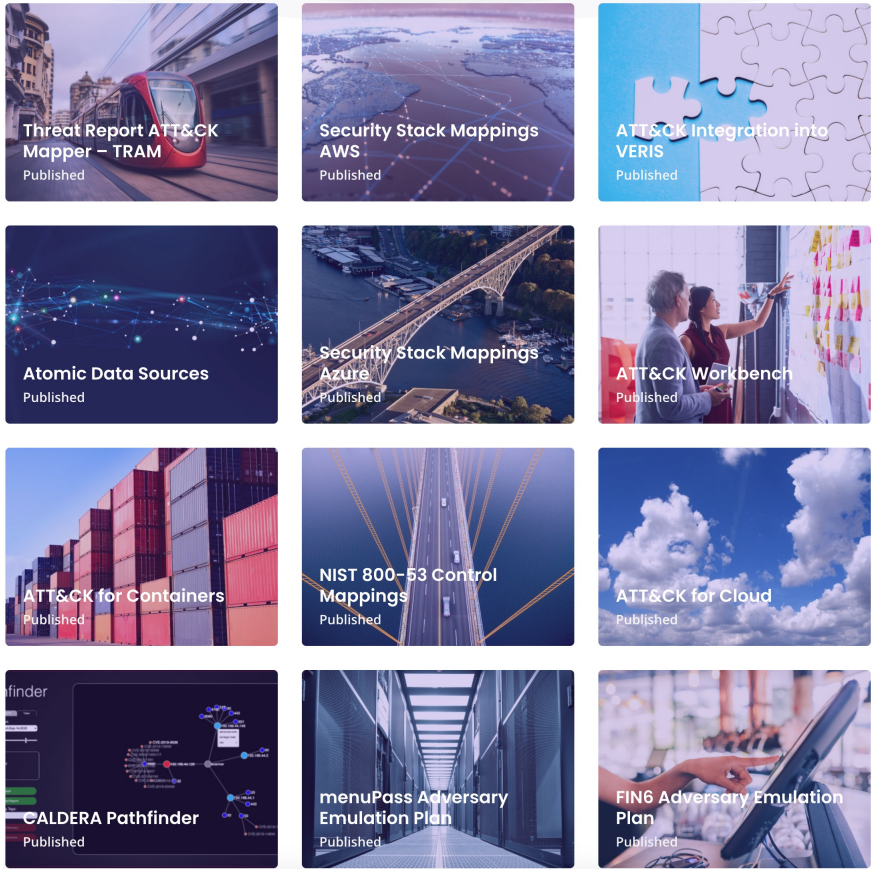
Projects Underway
3

Published Projects
13

Center for Threat Informed Defense

Our Focus: R&D

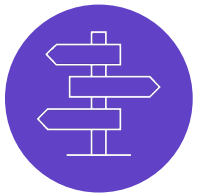
The outputs of all Center R&D projects are made freely-available globally



Center for Threat Informed Defense

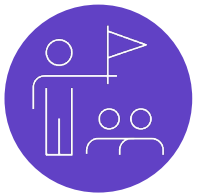
Our Values Drive our Research

Openness



Flexibility

Collaboration



Leadership

Idea Market

Ideas submitted to the idea market

Selection

Based on priorities, insights, and funding

Research

Member-funded projects assigned to dedicated MITRE experts

Completed Project

R&D projects outputs released freely-available

Center for Threat Informed Defense

ATT&CK Workbench

Problem

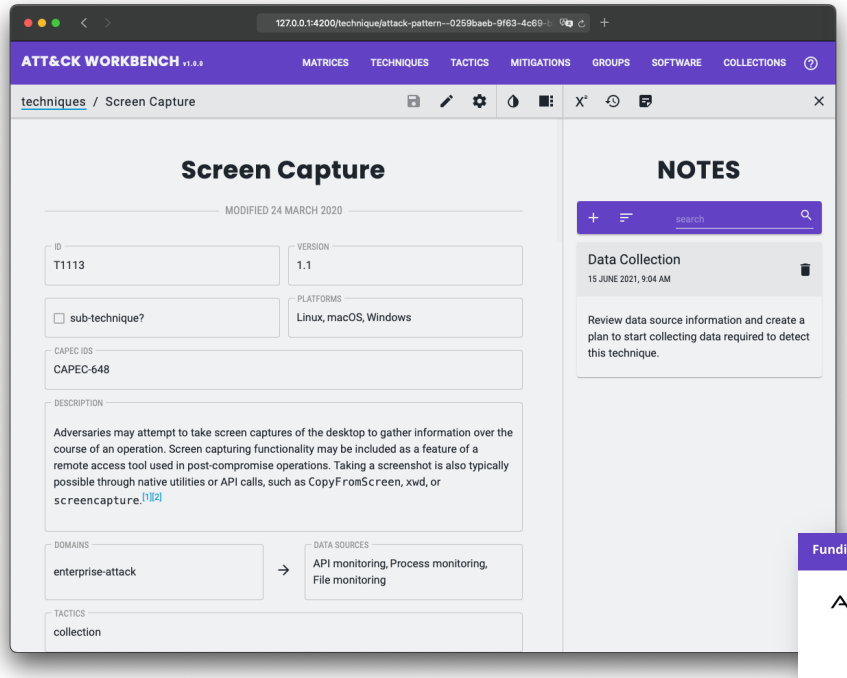
Defenders struggle to integrate their organization's local knowledge of adversaries and their TTPs with the public ATT&CK knowledge base.

Solution

Build an open-source software tool that allows organizations to manage and extend their own local version of ATT&CK and keep it in sync with MITRE's knowledge base.

Impact

Drastically reduces the barriers for defenders to ensure that their threat intelligence is aligned with the public ATT&CK knowledge base.



Allow users to explore, create, annotate, and share extensions of MITRE ATT&CK.

Funding Research Participants

ATTACKIQ
HCA Healthcare
JPMorgan Chase & Co.
Microsoft
verizon

MITRE ENGENUITY | Center for Threat Informed Defense

Demo

① **Annotating a Technique**

I want to take notes on a technique to allow me to collaborate more effectively within my organization's threat intel team.

② **Adding new intel mappings**

I just received a threat report and I want to update my knowledge base to reflect its contents.

③ **Adding a Group not tracked by MITRE ATT&CK**

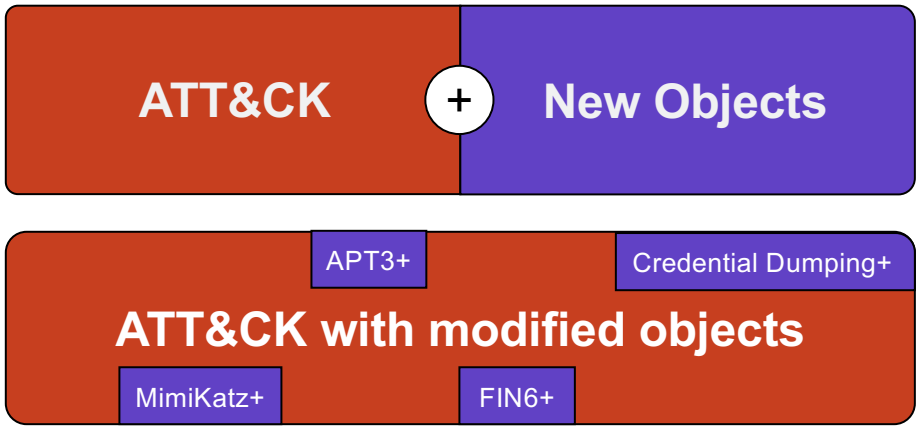
I want to track a group that is not tracked by MITRE ATT&CK in the same way that I track groups that are included in MITRE ATT&CK.

What do we mean by “Extension?”

New Objects Are Added

and/or

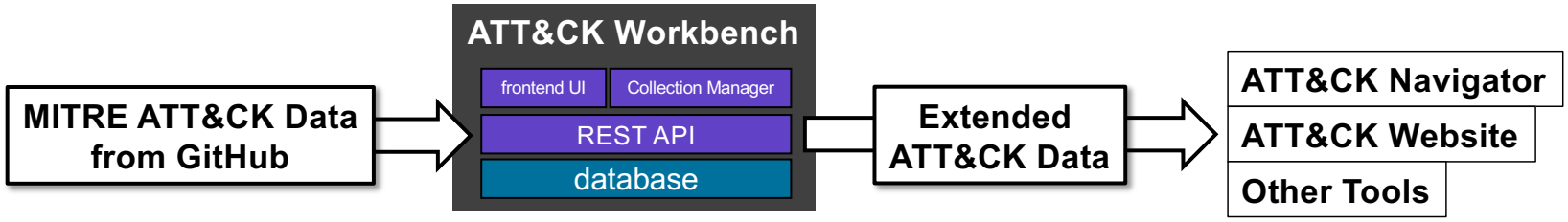
Existing objects within ATT&CK are updated



Use Case: Expanded Group Tracking
Fill in gaps in open-source reporting by creating new groups. Map new groups to new and existing techniques.

Use Case: Red Teaming
Create red team techniques and track them using tooling developed for ATT&CK.

Your Local Knowledge Base



- Workbench is the cornerstone for your local infrastructure. You decide which modules you want, and which are irrelevant.
- You can extend your local knowledge base with new or updated techniques, tactics, groups, and software.

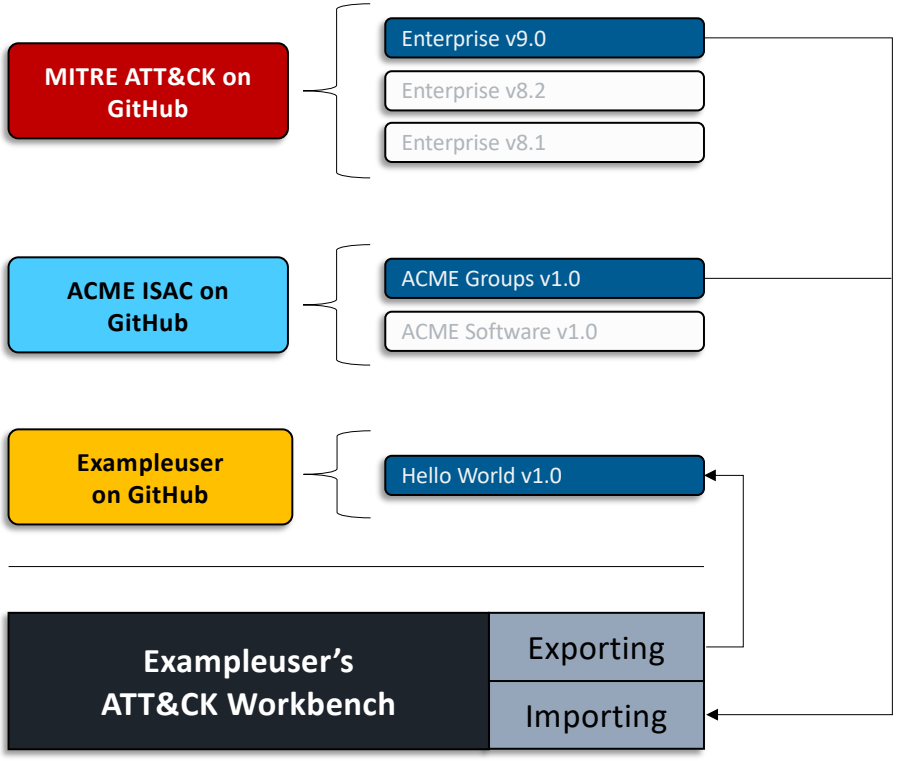
Sharing ATT&CK Extensions

The official ATT&CK knowledge base is disseminated as a collection

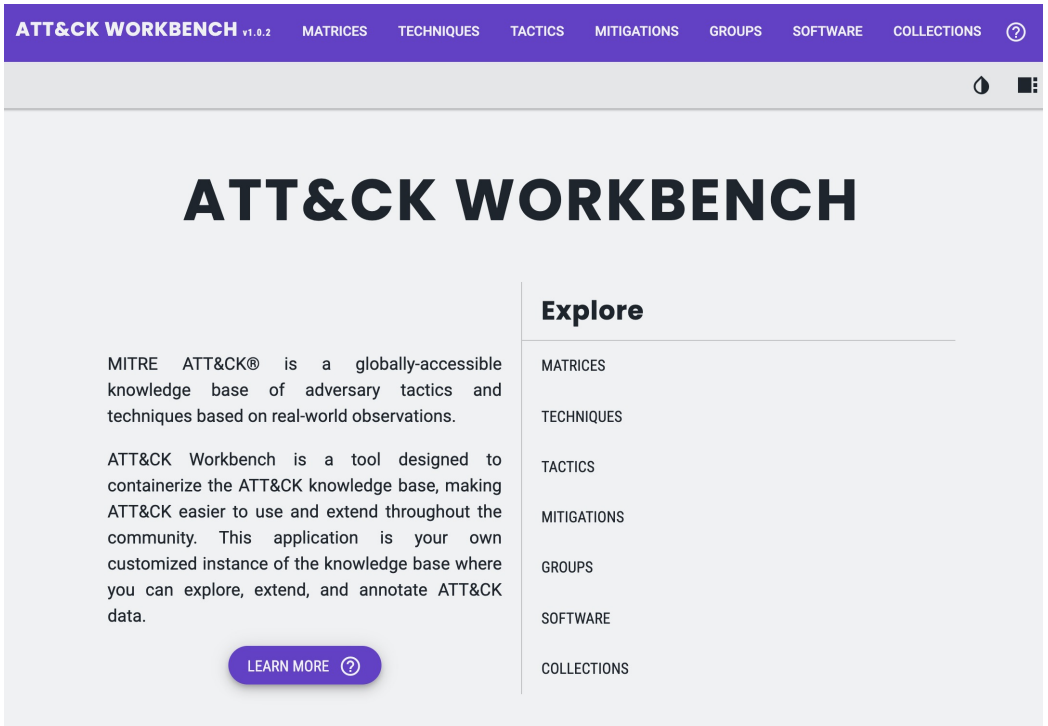
ISACs may share collections containing their extensions as well

Individual Workbench users can also publish collections

The Workbench provides the means to both import, create, and export collections



How do I get the ATT&CK Workbench?



Start here:
https://ctid.mitre-engenuity.org/our-work/attack-workbench/

We are interested in your questions and feedback. GitHub Issues are always appreciated or email us ctid@mitre-engenuity.org

Help advance threat-informed defense

Spread the word to help us increase the impact of our work.

Use our work and tell us about it.

Share your ideas and they may become part of the research program.

Advance the research program by joining the Center.

MITRE ENGENUITY | Center for Threat Informed Defense