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## About

PurpleSharp is a C# adversary simulation tool that executes adversary techniques with the purpose of generating attack telemetry in monitored Windows environments

purple-team

adversary-simulation

detection-engineering

## controls-validation

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# PurpleSharp

Open Threat Research Community Black Hat Arsenal USA 2021

Black Hat Arsenal Asia 2023

## Releases 4

BlackHat Arsenal 2021 Latest

on Sep 18, 2021

+ 3 releases

## Packages



## Languages

● C# 100.0%

PurpleSharp was first presented at [Derbycon IX](#) on September 2019.

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Visit the [Demos](#) section to see PurpleSharp in action.

## Goals / Use Cases

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The attack telemetry produced by simulating techniques with PurpleSharp aids research & detection teams in:

- Building new detection analytics
- Testing existing detection analytics
- Validating detection resiliency
- Identifying gaps in visibility
- Identifying issues with event logging pipeline

## Quick Start Guide

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### Build from Source

PurpleSharp can be built with Visual Studio Community 2019 or 2020.

### Download Latest Release

[Download](#) the latest release binary ready to be used to execute TTP simulations.

.NET Framework 4.5 is required.

### Simulate

The PurpleSharp assembly is all you need to start simulating attacks.

For simulation ideas, check out the [Active Directory Purple Team Playbook](#), a repository of ready-to-use JSON playbooks for PurpleSharp.

## Documentation

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<https://www.purplesharp.com/>

## Authors

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- Mauricio Velazco - [@mvelazco](#)

## Acknowledgments

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The community is a great source of ideas and feedback. Thank you all.

- [Olaf Hartong](#)
- [Roberto Rodriguez](#)
- [Matt Graeber](#)
- [Jonny Johnson](#)
- [Keith McCammon](#)
- [Andrew Schwartz](#)

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