

Cyber Purple Teaming

Improving security through active cyber-defense workshops

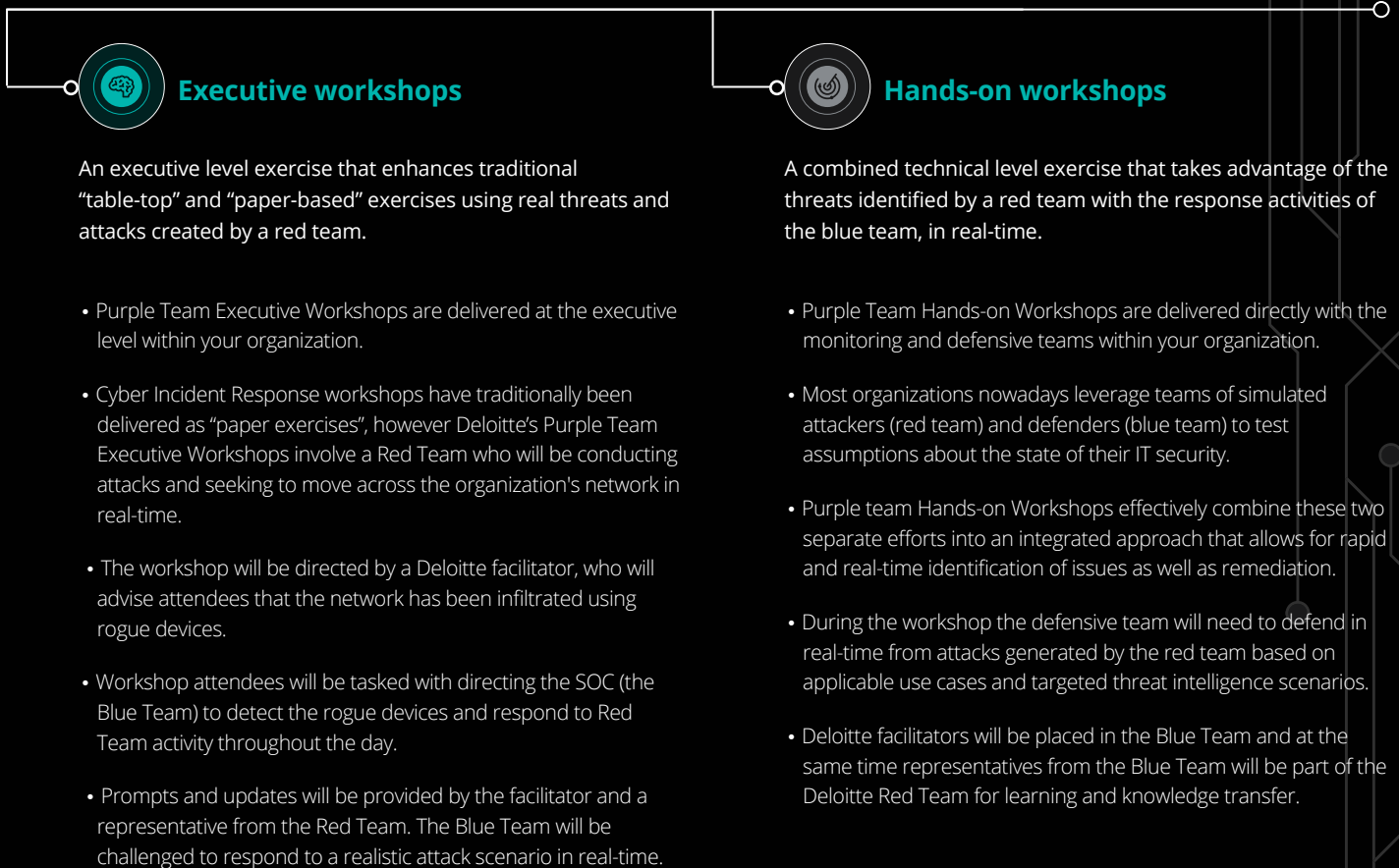
Red + Blue = Purple

Combining the strengths of two core IT security defense teams

In a Purple Team assessment, the Red Team attempts to exploit vulnerabilities in a network, while the Blue Team works to detect and mitigate these activities. Purple Team assessments aim to mature the security of organizations while constantly developing the skills and processes of both teams.



Purple Teaming – Two delivery models



Purple Teaming – Executive Workshops



Setup

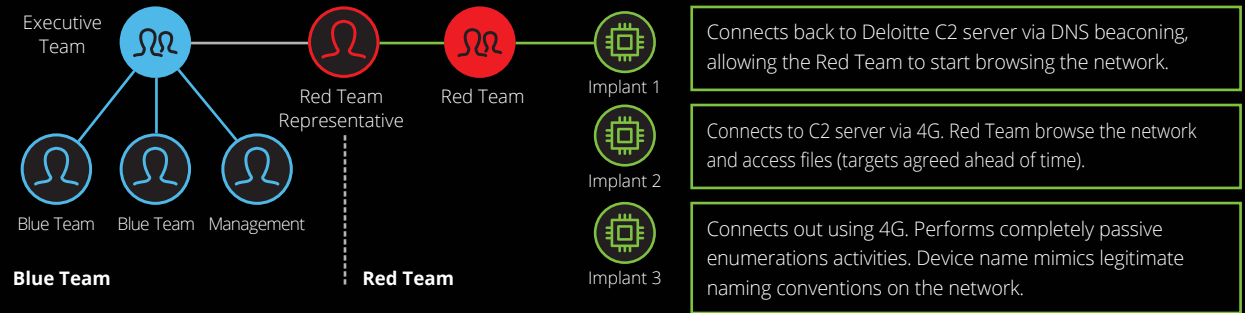
Prior to the workshop members of the Red Team will implant three malicious rogue devices onto the network, at locations in the client offices (these locations will be agreed with you in advance, and Deloitte will be supervised by an on-site contact).

Debrief

A full debrief will be conducted, covering what was detected by the Blue Team, what was not detected and areas in which the organisation could improve.

Workshop

1. Introduction of key concepts (e.g. Red Team and Blue Team), and an explanation of what the workshop involves.
2. Identification of the three rogue devices, with an increasing level of difficulty.
3. Workshop close



Purple Teaming – Hands-on Workshops

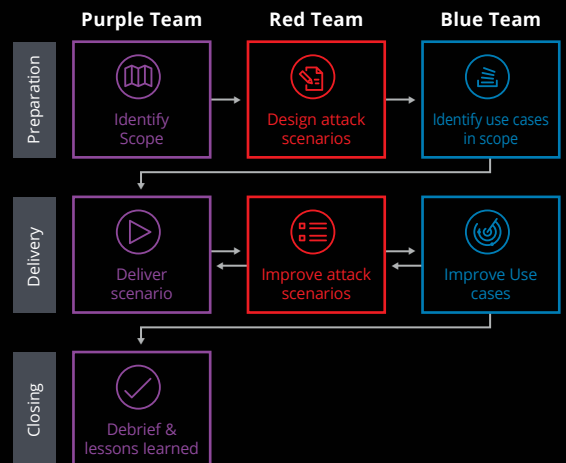
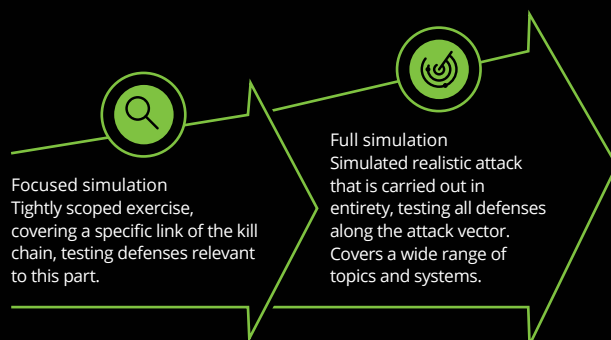


Tailored approach

Although the overall process for purple teaming will follow a formal pattern, overall delivery is fully customisable. Options range from a small-scale focused approach to a full scale actual attack simulation. Apart from various execution methods, we can also change the scope from broad to focused, to a single link in the cyber kill chain. By performing a threat assessment workshop before we start, we ensure that any and all simulated attacks are in line with your organizations' actual threat landscape.

Scoped sprints

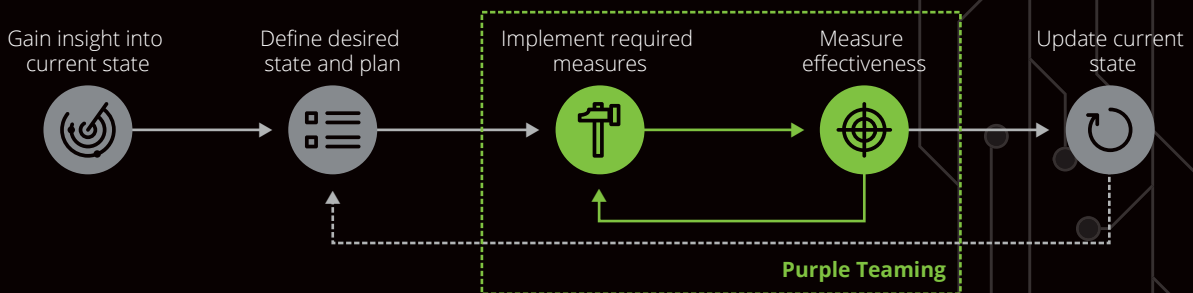
Our purple teaming approach is modeled in clearly defined sprints. In each sprint, scenarios are designed, corresponding SOC use cases identified, the simulation is executed and improvements identified in a loop.



Using Purple Teaming as part of security transformations

A measure of effectiveness

Purple teaming is a perfect tool to measure progress during multi-year security transformation projects. By leveraging regular purple teaming engagements, recently implemented measures can be tested for effectiveness in a very targeted way. A change in threat landscape will automatically be covered as well, since any purple team engagement will use up-to-date threat intelligence and knowledge about the current threats to the organization.



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