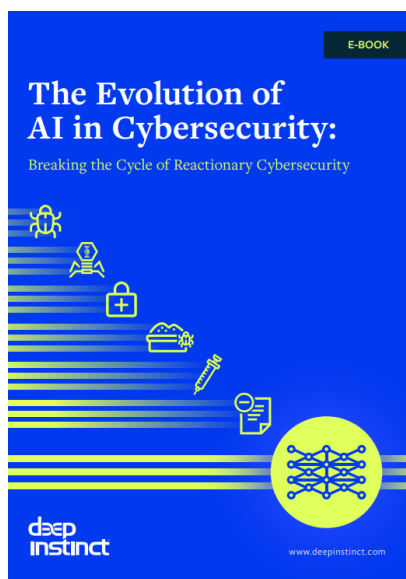# The Evolution of AI in Cybersecurity: Breaking the Cycle of Reactionary Cybersecurity

In this paper, we will examine how anti-malware solutions have evolved over the years to respond to the changing threat landscape, and why even with significant investments in tools, we are too reactive, and attacks are still succeeding too often. We will address the adoption of AI, in particular machine learning versus deep learning, and discuss the mindset shift needed going forward to break the cycle of reactionary cybersecurity.