

# Introduction to PatternEx

Transforming cyber security analysts into super heroes.

## NEXT-GEN THREAT DETECTION FOR THE SOC

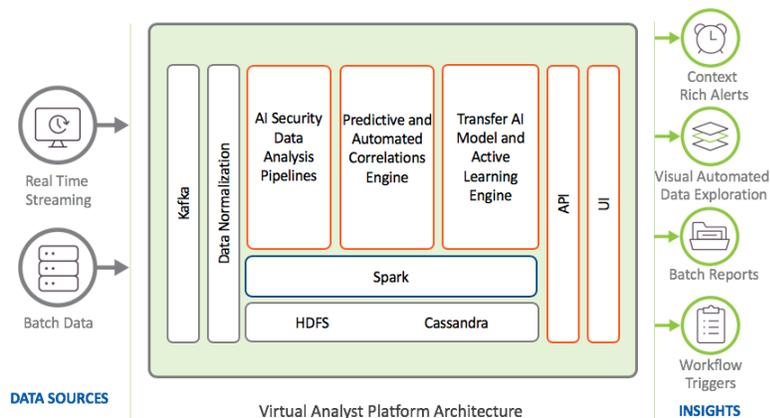
PatternEx turns cyber security analysts into super heroes – enabling detection of 10x more threats, at 1/5th cost with automated and crowd sourced based AI attack detection models. PatternEx’s Virtual Analyst Platform automates threat detection with “out-of-the-box” AI that covers most threats; and provides hunting-based analyst models to capture unique or highly sophisticated threats. The technology leverages active learning for automated learning to detect threats earlier in the attack kill chain. Customers such as enterprise, MSSP, and MDR vendors all use PatternEx to decrease costs, increase security, and enhance value to their users.

*What is needed is something built from the ground up to detect threats that traverse multiple tactics and entities over long time horizons. PatternEx’s concept of ‘virtual analysts’ does exactly that, and has helped improve our SOC efficiency.” – Thomas Whang, Impelix*

## INCREASING MSSP/MDR MARGINS

PatternEx uses re-usable and shareable AI models to find threats across multiple environments, users, and customers – all without having to write or tweak any rules. That is the power of AI.

By detecting more threats, earlier in the kill chain, the expensive process of Tier 1 to Tier 2 hand off gets shortened, saving your organization time and money. In addition, the advanced threat hunting capabilities in the platform mean you will have concrete answers, faster for your customers.



### SOC Benefits

- Reduces Tier 1 analyst time spent on false positives and false negatives
- Provides Tier 2 and threat hunting analysts with pre-defined attack stories and threat anticipation
- Finds attack faster than many threat intel feeds
- Works in historical or real-time modes for flexible deployments

### Provable Results

Based on technology validation from MIT’s AI CSAIL LAB (20x faster, 10x more threats detection, and 80% cheaper)

*“System learns to defend against unseen attacks ... the detection rate shows ... improving by 3.41x with respect to a state-of-the-art unsupervised anomaly detector and reducing false positives by more than 5x.” – MIT 2016*

### About PatternEx

PatternEx, based in San Jose, CA, was founded in 2013 by researchers from MIT’s Artificial Intelligence Lab CSAIL. The company has backing from Silicon Valley legend Vinod Khosla (Khosla Ventures). Learn more at [patternex.com](http://patternex.com) or follow us on Twitter @patternex.

## EASY TO USE – AND SCALES TO YOUR NEEDS

With various levels of operation, from “out of the box” ready to detect to more sophisticated analysis capability, PatternEx’s Virtual Analyst Platform serves Tier 1, Tier 2, SOC Managers, and CISO’s. No other vendor has the ability to provide self-detecting, out of the box models that will detect threats with no false positives AND provides analyst enhanced capability to train the AI models for more sophisticated threat detection. In addition, with advanced correlation capability, threat anticipation is made fast – ensuring you don’t have to wait for your client to flag an issue or days for your threat intel feed to tell you about upcoming threats.