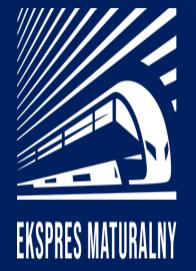
# www.ekspres.ubb.edu.pl

# Zarzadzanie ryzykiem bezpieczeństwa informatycznego: Microsoft Security Assessment Tool (MSAT)





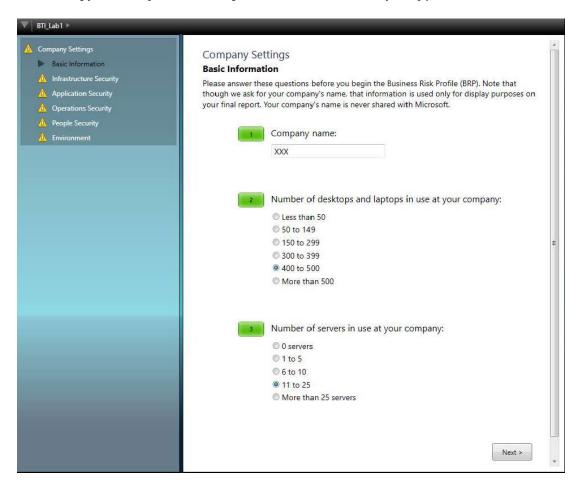
Prof. dr hab. inż. Oleksandr Korchenko Katedra Informatyki i Automatyki Wydział Budowy Maszyn i Informatyki

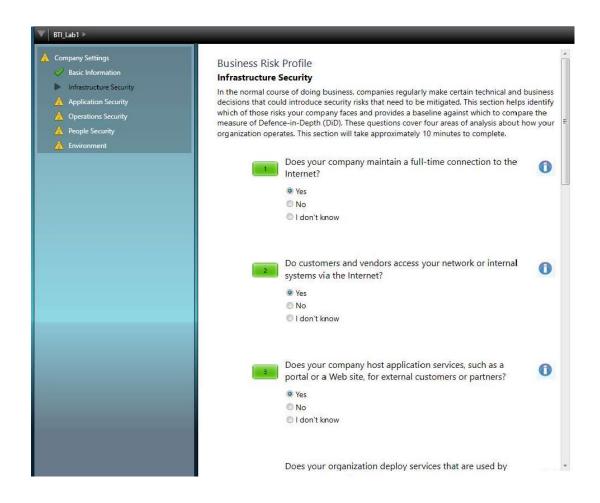


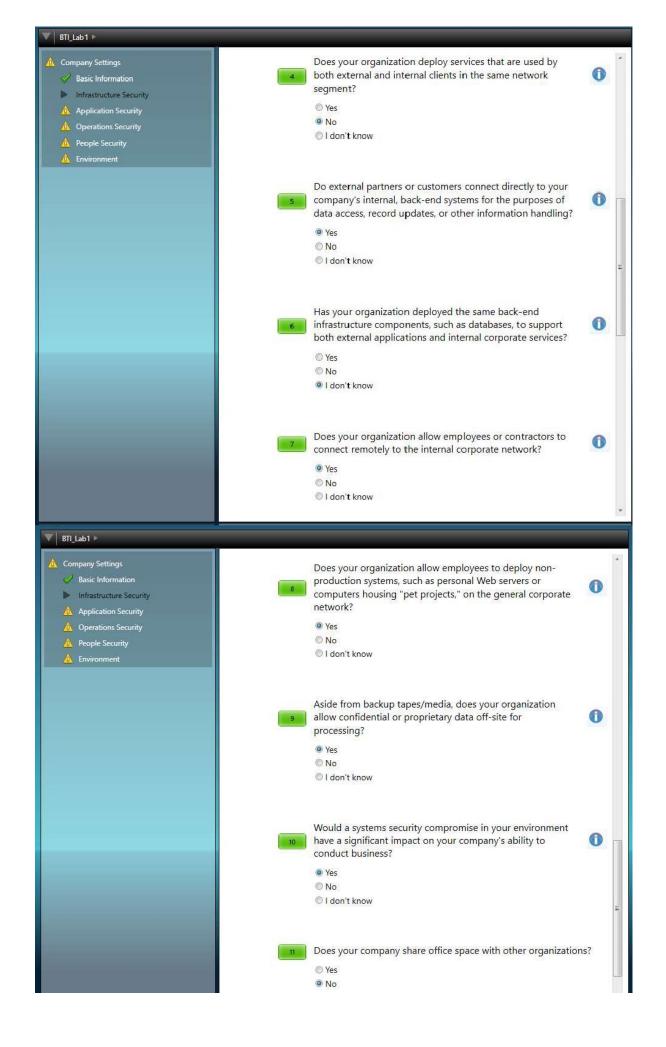


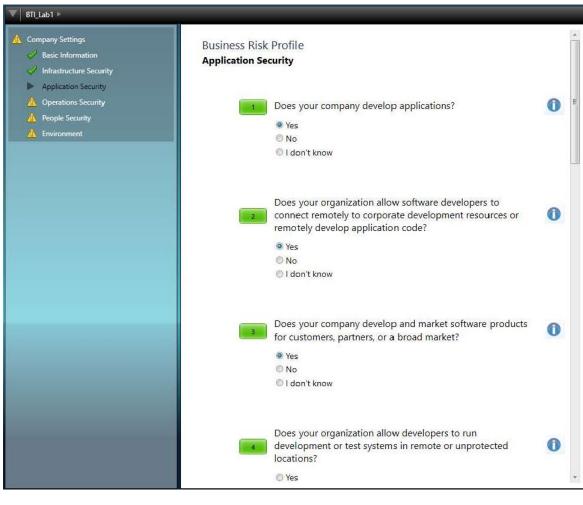
## 1. Analiza ryzyka przy pomocy programu MSAT

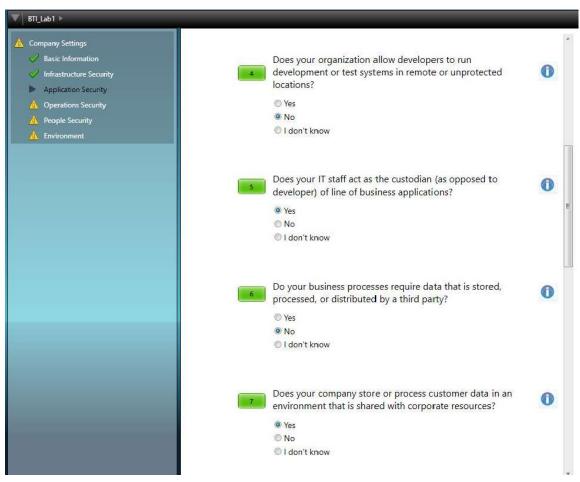
Program umożliwia określenie ryzyka poszczególnych części firmy na podstawie odpowiedzi na zadawane pytania tak jak to zostało pokazane na umieszczoncyh zdjęciach.

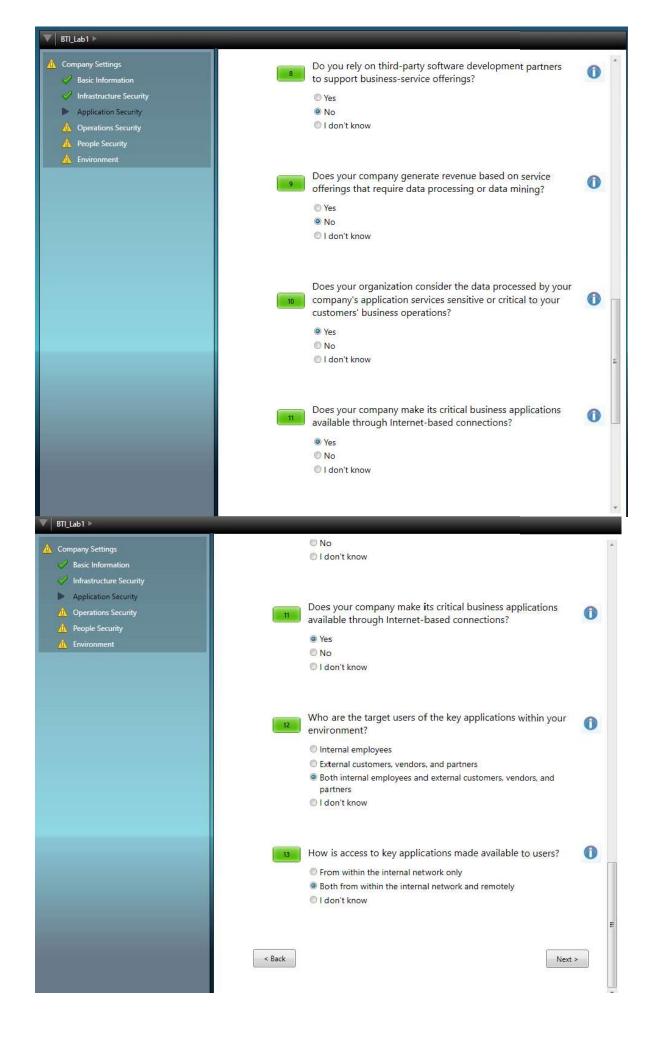


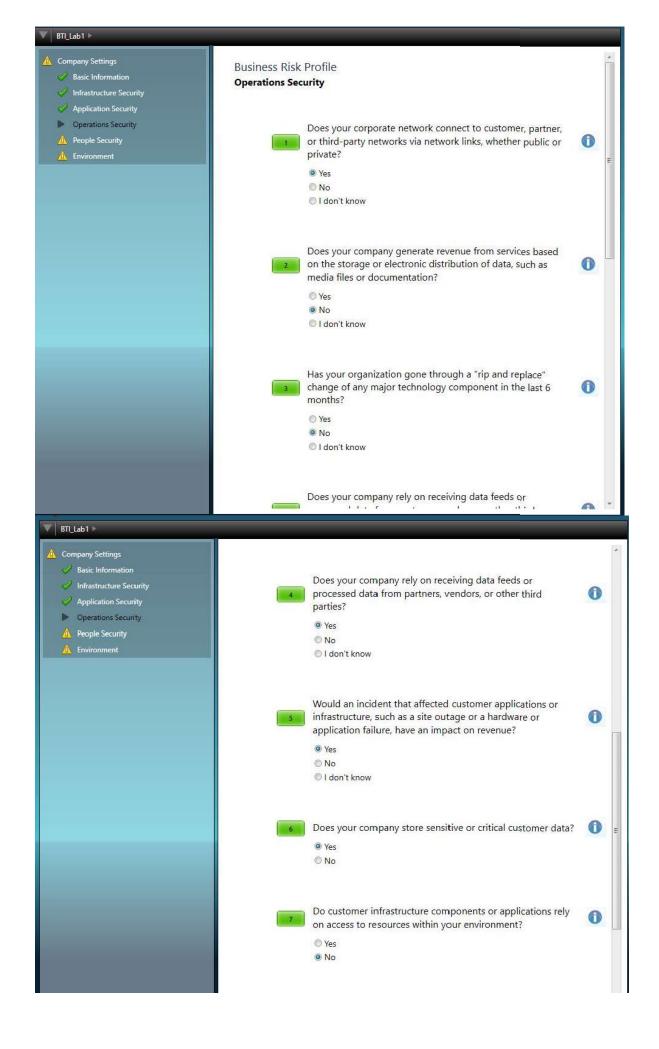




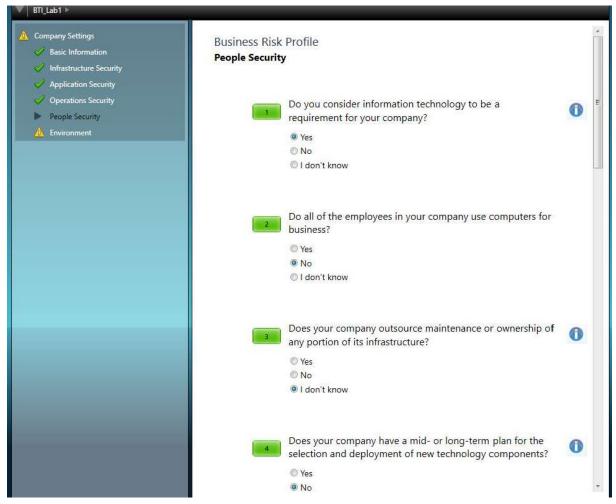


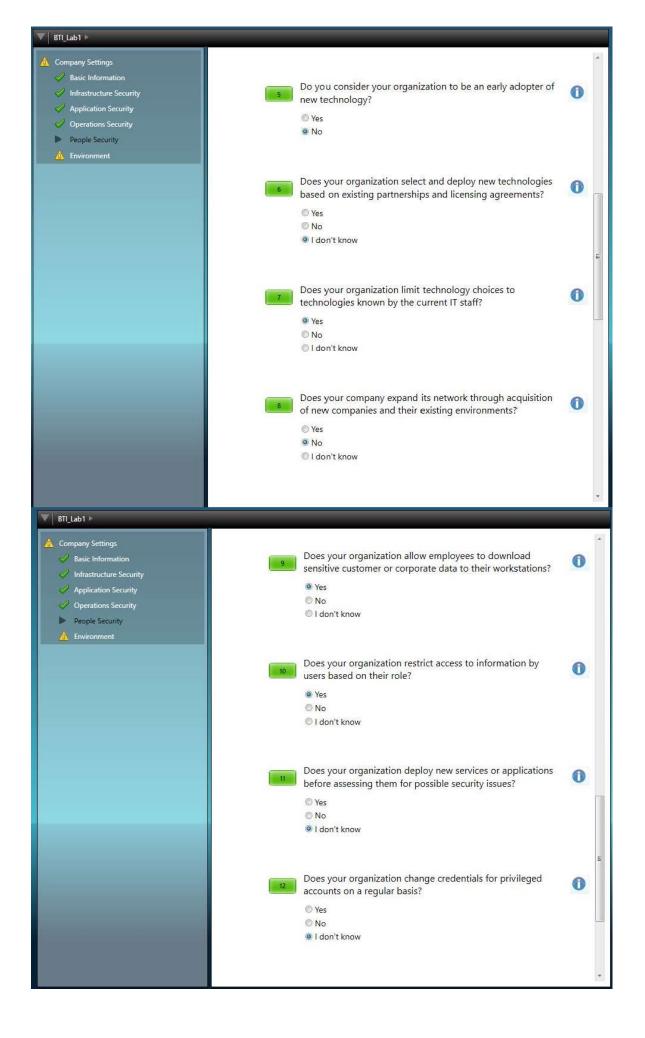




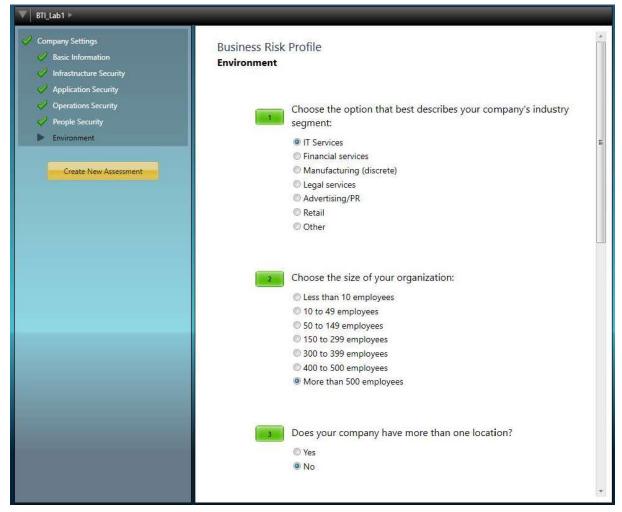


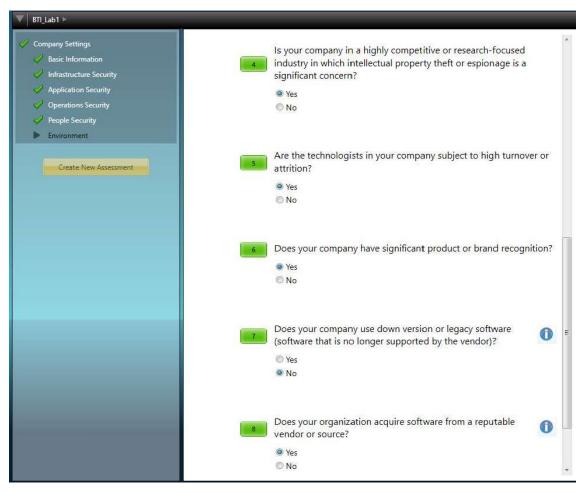


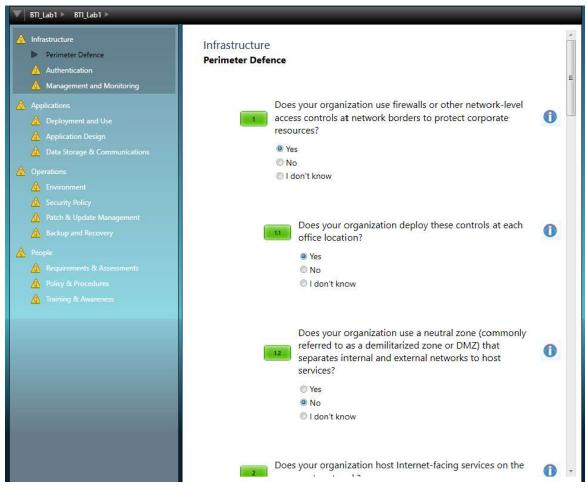


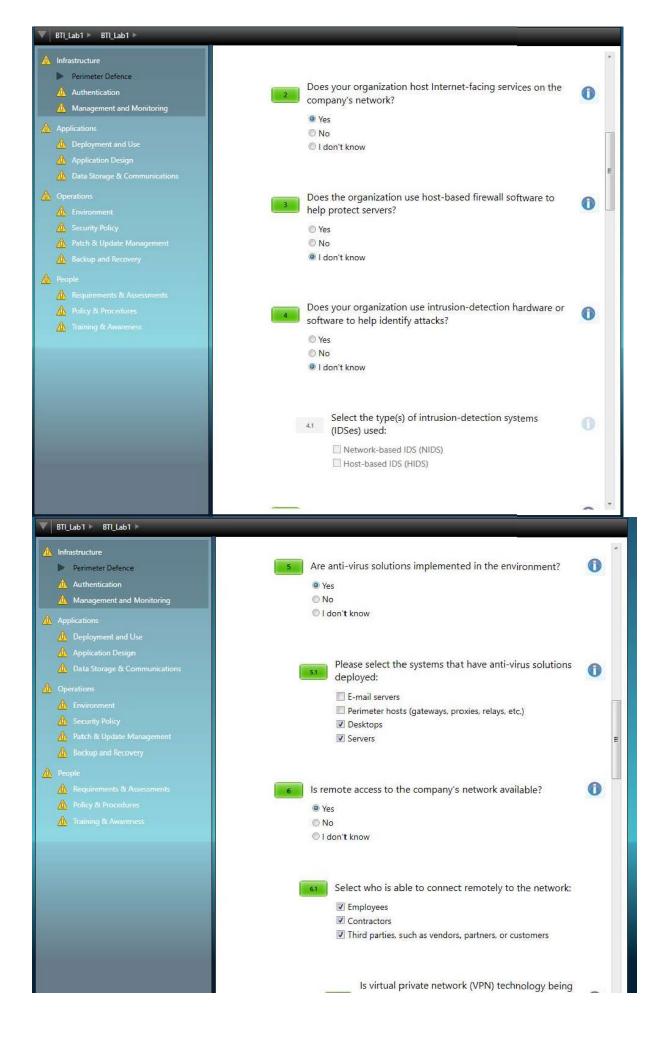


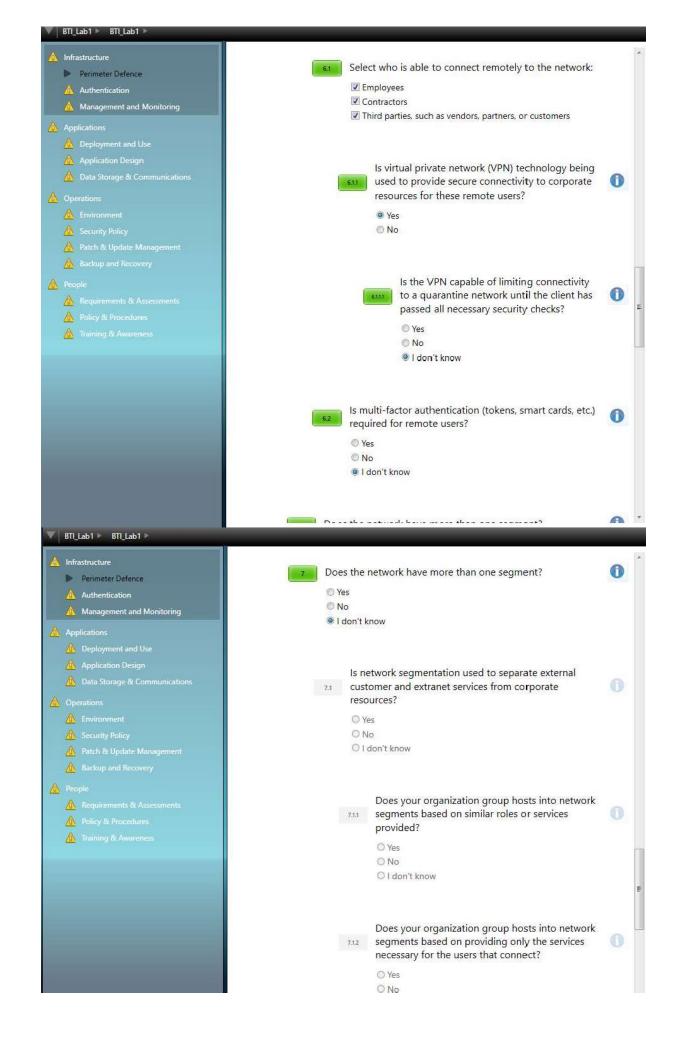


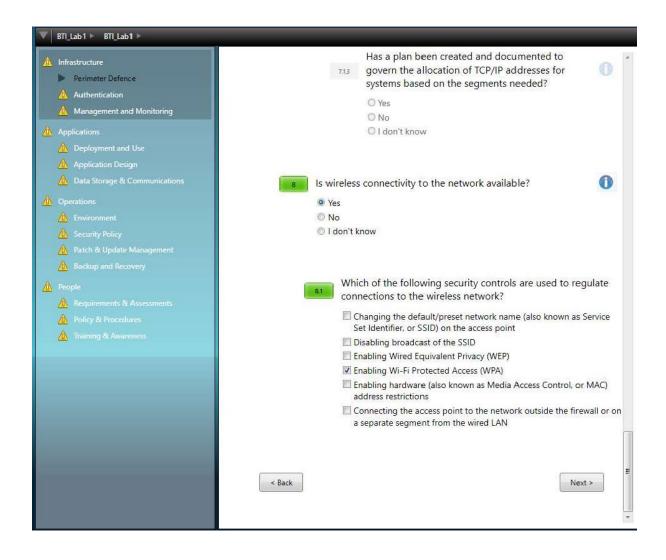


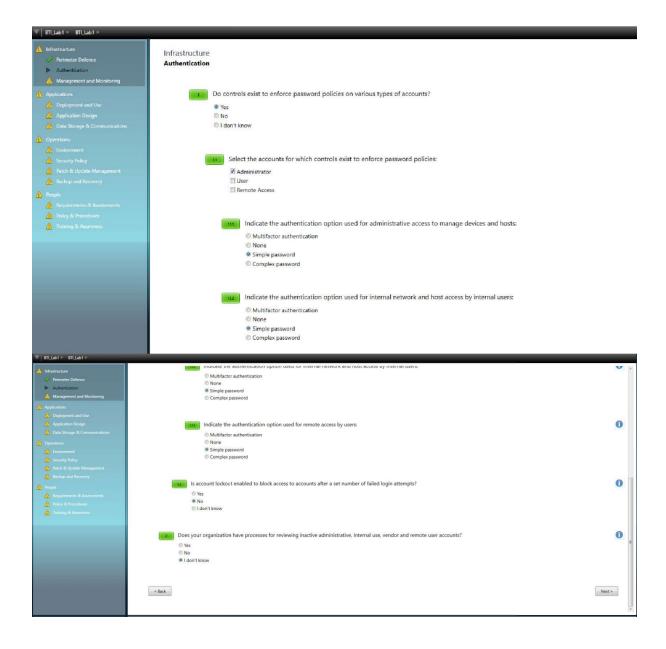


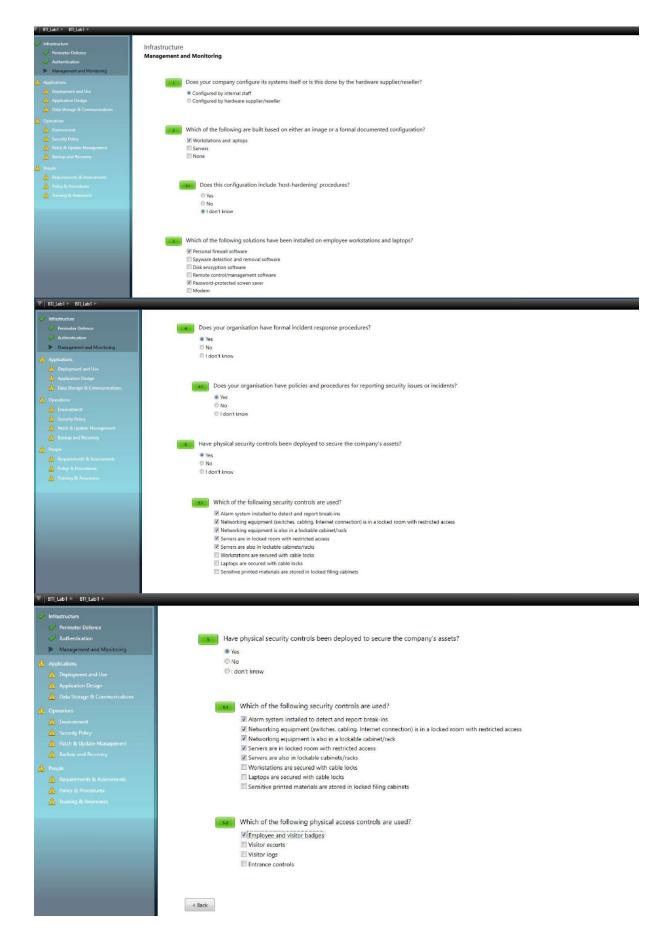


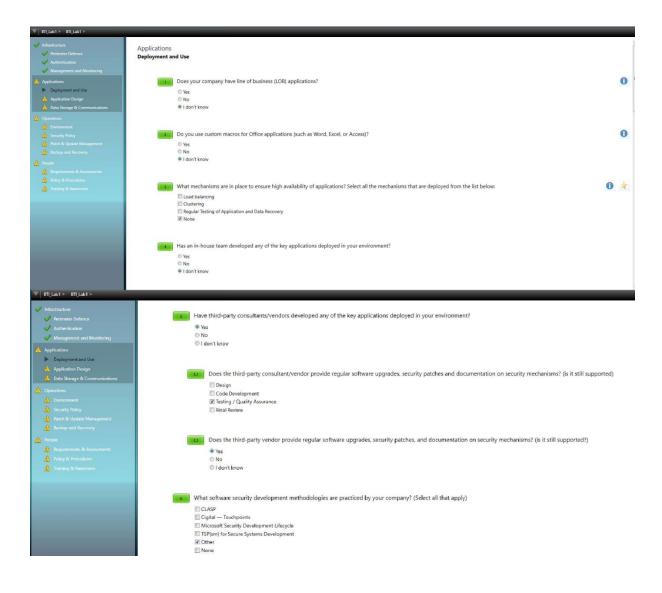


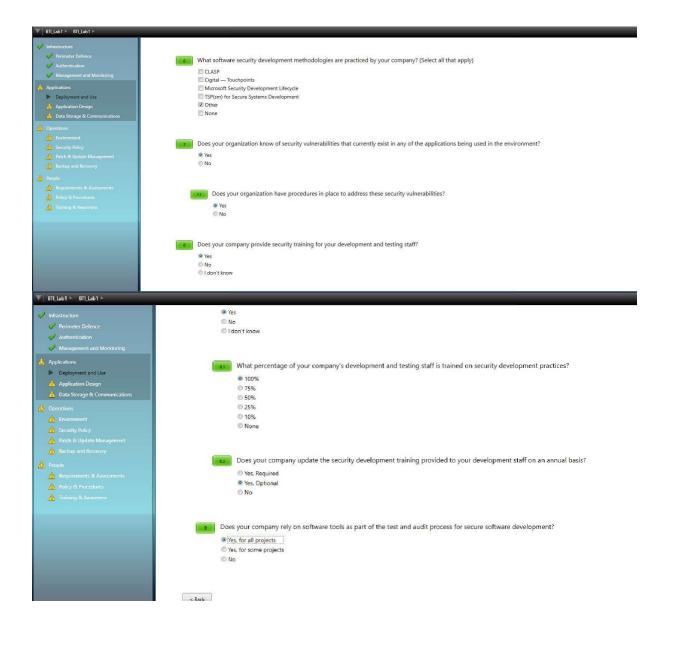


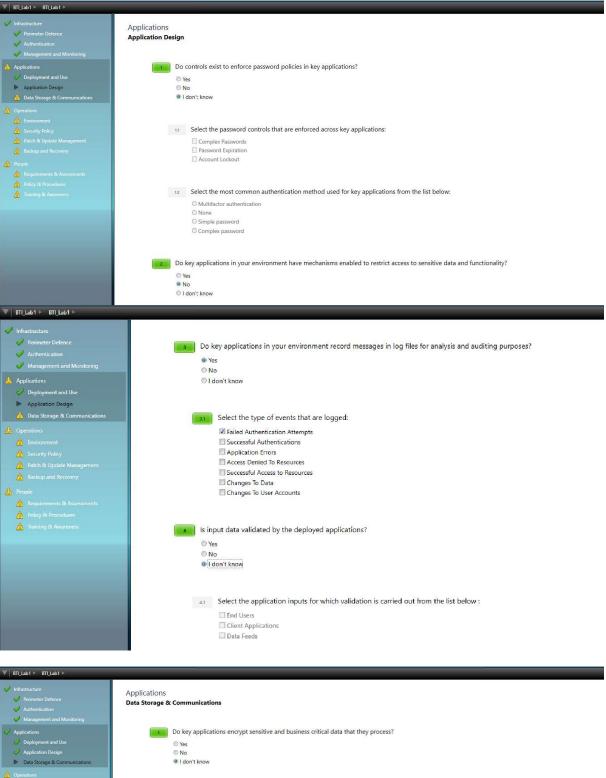


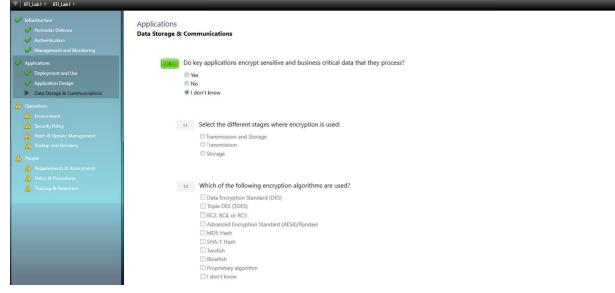


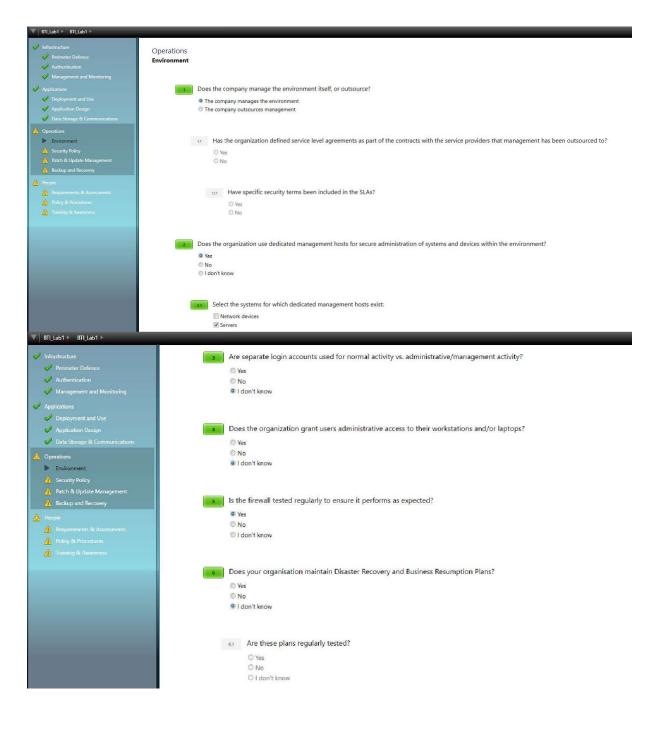


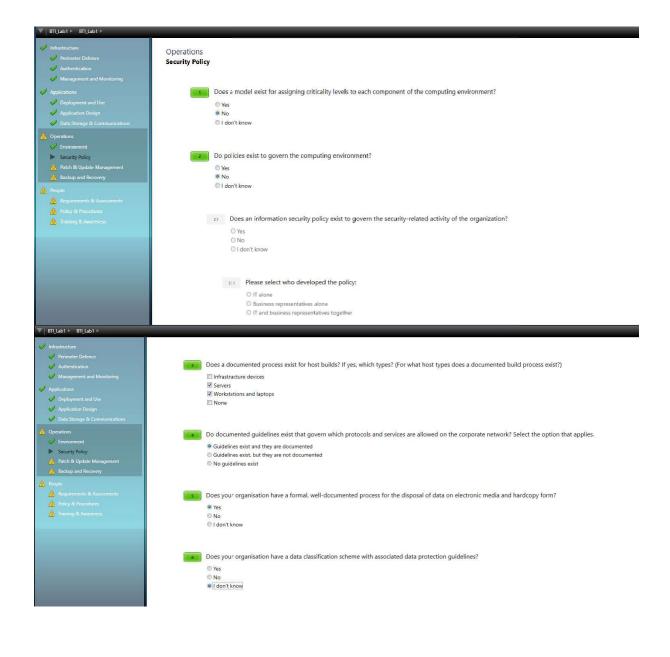


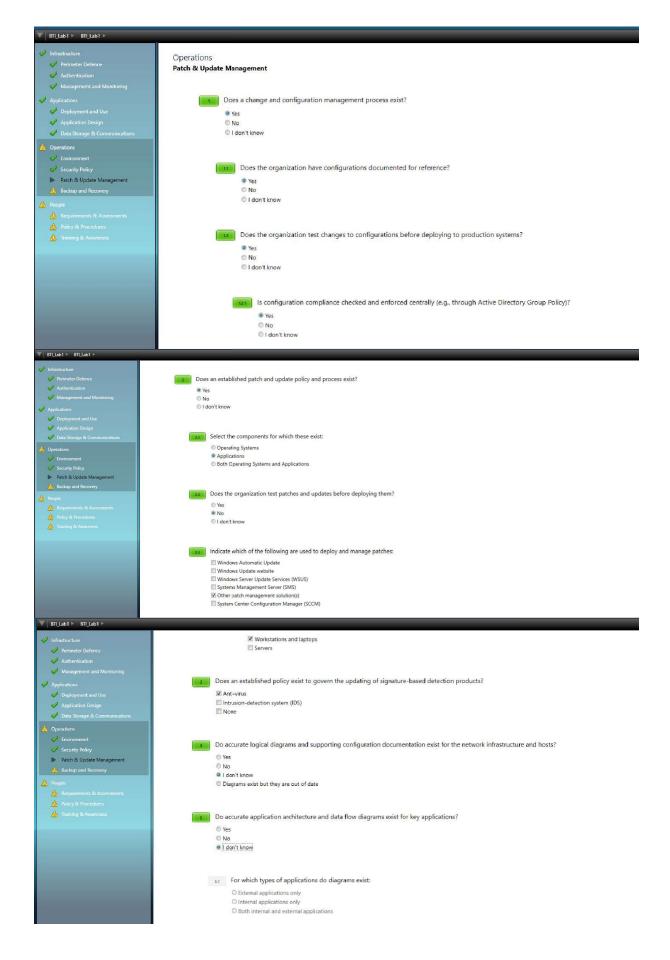


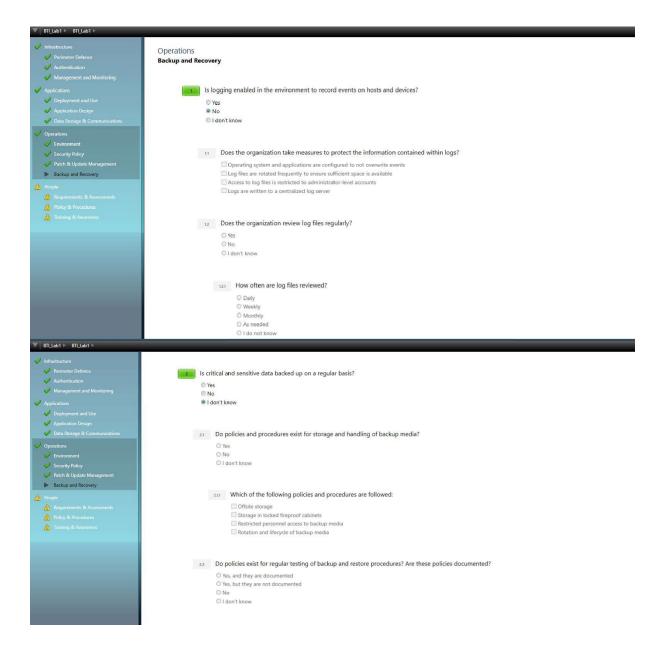


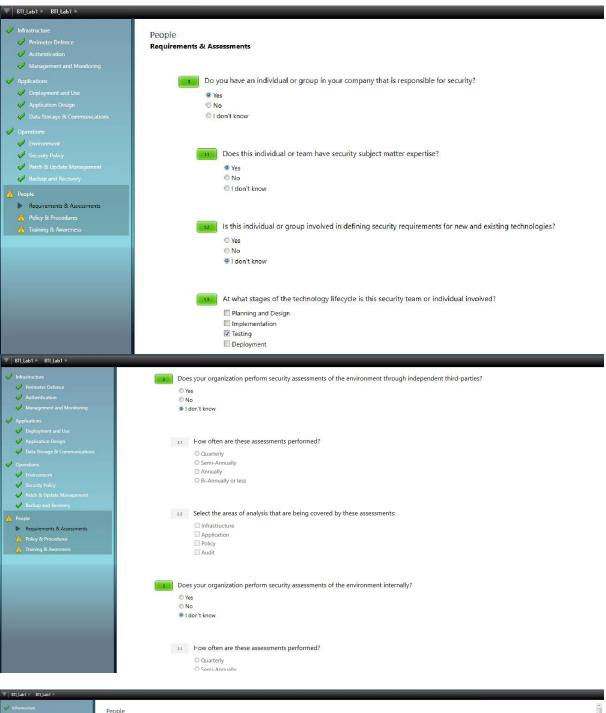


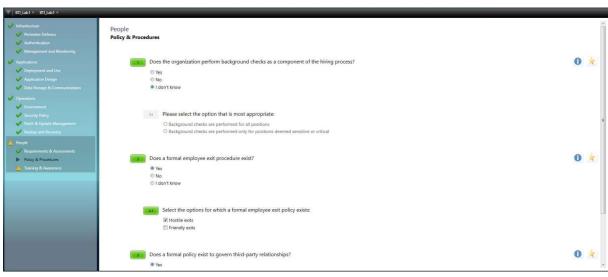


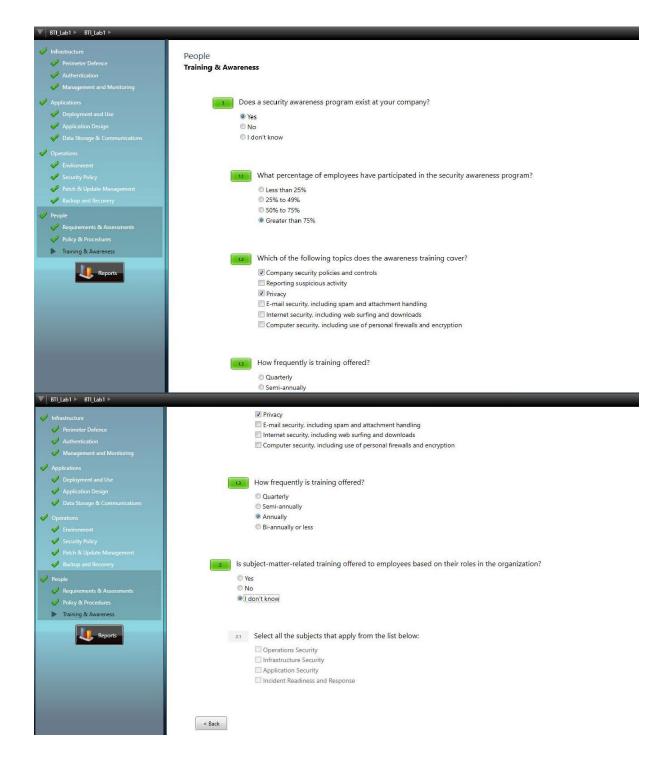






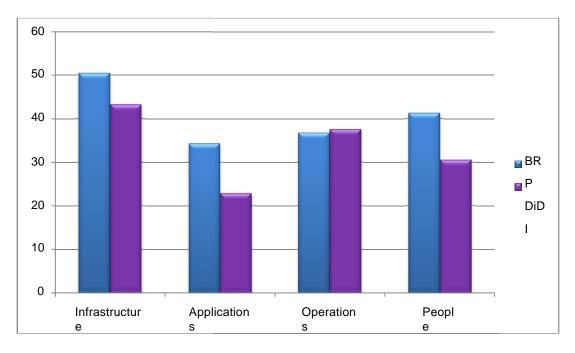






Po odpowiedzeniu na wszystkie pytania zostanie wygenerowany dokument z oceną ryzyka w naszej firmie wraz z wytłumaczeniem poszczególnych oznaczeń.

Business Risk Profile vs. Defense-in-Depth Index Summary Report



### **Interpreting the Graphs**

- BRP ranges from 0 to 100, where a higher score implies a greater amount of potential
  business risk for that specific AoA. It is important to note that a score of zero is not possible
  here; conducting business in itself implies some level of risk. It is also important to
  understand that there are some aspects of running a business that have no direct mitigation
  strategy.
  - Business Risk Profile (BRP) A measurement of the risk to which an organization is exposed, based on the business environment and industry in which it competes.
  - AoAs Areas of Analysis which are infrastructure, applications, operations, and people.
- DiDI also ranges from 0 to 100. A high score indicates an environment where a greater number of measures have been taken to deploy defense-in-depth strategies in a particular AoA. The DiDI score does not reflect overall security efficacy or even resources spent on security, rather it is a reflection of the overall strategy used to defend the environment.
  - Defence-in-Depth Index (DiDI) A measurement of the security defences used across people, process and technology to help to mitigate the risks identified for a business.
- Intuitively, it may seem that a low BRP score and a high DiDI score are good outcome, but this is not always the case. The scope of this self-assessment does not allow for all factors to be taken into consideration. Significant disparity between BRP and DiDI scores in a particular AoA suggests that further examination of this AoA is recomm nded. When analyzing your results it is important to consider the individual scores, both BRP and DiDI, in relation to one another. A stable environment will probably be represented by relatively equal scores across all areas. Disparities between DiDI scores are a strong indicator that overall security strategy is focused on a single mitigation technique. If the security strategy does not balance people, process and technology aspects, the environment will probably be more vulnerable to attack.

### 2. Podsumowanie

Według przeprowadzonej oceny ryzyka w firmie 'XXX' poziom ryzyka w firmie jest wysoki. Ilość środków przeznaczonych na wgłębienie się w lepszą ochronę firmy jest zbyt mała co może spowodować utratę ważnych danych i utratę wielu klientów.

Powinny zostać wprowadzone nowe procedury ochronne, poziom zabezpieczeń infrastruktury firmy powinnien zostać zwiększony poprzez dodanie odpowiednich uprawnień poszczególnym