

## INDRA'S CYBER RANGE PLATFORM TRAINS THE EXPERTS OF THE SPANISH JOINT CYBER-DEFENSE COMMAND

- **The company holds a contract to facilitate the organization of cyber defense exercises aimed at enhancing the capabilities of armed forces experts**
- **The platform has been used in a joint training with armed forces specialists from six other countries and in a training of ethical hacking and forensic analysis for the Spanish Army**
- **As it can be deployed in the cloud, a laptop and a browser are enough to access an environment in which real attacks are reproduced in a secure environment**
- **Indra offers the most advanced technology to prepare the next generation of cyber defense and cybersecurity professionals quickly and efficiently. In 2022, Europe will face a shortfall of 300,000 experts specialized in this area**

**Madrid, December 20, 2018.-** Indra is providing a cyber exercise training and organization service to the Joint Spanish Cyber Defense Command on its Cyber Range platform, a training solution that offers an environment in which real attacks are replicated in a secure manner.

The agreement was signed last April and it envisages the organization over the next fifteen months of exercises based on highly complex scenarios, defined by Joint Cyber-Defense Command itself and designed by Indra.

The first training took place last October in the framework of the Ibero-American Cyber Defense Forum in Madrid.

Fifty cyber soldiers from Argentina, Brazil, Chile, Colombia, Portugal, Mexico and Spain's Armed Forces met at Retamares Base, in Madrid, to face different exercises that reproduced aggressive attacks with ransomware, botnets and illegitimate network traffic presence.

Several simulations were conducted: security operations to organizations that were being extorted, missions of recovery of sensitive information that had been stolen and response to an attack that pretended to hinder the exercise of the right to vote by electronic means.

More recently, the Joint Cyber Defense Command used Indra's platform to carry out a training course in *Ethical Hacking* and develop an exercise in *Digital Forensics & Digital Response* (an event similar to CTF, Catch the Flag).

During the course, systems' vulnerabilities and possible intrusion techniques that attackers could use were studied. Another topic was the analysis of the risks that affect different types of data processing systems and how it can serve as a gateway for third parties.

The participants also carried out a practical exercise in *Digital Forensics & Digital Response*. In this case, the attackers had taken control of the servers of a company and demanded the payment of a ransom. The participants learned how to prevent, identify and handle a situation of this type with maximum efficiency.

The completely practical and *gamified* nature of the Cyber Range platform accelerates learning and improves preparation. The system offers clues and guides the student in an automated way.

### **Cloud access**

Another advantage of the Indra platform is that students can connect from anywhere in the world, using their own computer and their preferred web browser.

The platform is hosted on the cloud, at Indra's data processing center. This center has the highest security measures and it complies with NATO standards. Users connect through a virtual private network or VPN.

Just last year, 2017, more than a thousand professionals and experts from all types of civil and military organizations put their cybersecurity and cyber defense skills to test on the Indra platform. Among its users are the EU Agency for Law Enforcement Training (CEPOL), the Portuguese Army and the Spanish National Cybersecurity Institute (INCIBE), the Spanish Civil Guard and the Autonomous University of Madrid. More recently, the University of Salamanca also used it in an exercise with the Civil Guard.

Indra brings with this platform an essential technology to address the huge demand for cyber warfare experts that the market will demand in the coming years. It is estimated that, in 2022, Europe will have a deficit of 350,000 specialists in this field, a figure that will rise to 1.5 million professionals worldwide.

### **About Indra**

Indra ([www.indracompany.com](http://www.indracompany.com)) is one of the leading global technology and consulting companies and the technological partner for core business operations of its customers world-wide. It is a world-leader in providing proprietary solutions in specific segments in Transport and Defense markets, and a leading firm in Digital Transformation Consultancy and Information Technologies in Spain and Latin America through its affiliate Minsait. Its business model is based on a comprehensive range of proprietary products, with a high-value focus and with a high innovation component. In the 2017 financial year, Indra achieved revenue of €3.011 billion, with 40,000 employees, a local presence in 46 countries and business operations in over 140 countries.