ACDC: Advanced Cyber Defence Centre

In ACDC, we bring together partners from 14 European countries, including public administrations, private sector organizations and academia, in order to achieve a sustainable victory over a powerful cyber threat commonly known as botnet. We integrate the matured knowledge of our consortium into an integrated strategy ranging from adoption to governance, supported by a full service offer for controlling cyber security problems, particularly botnets. The proposed pilot addresses the identification, measurement, and analysis of botnets as well as the prevention, detection, mitigation, recovery, and evaluation of their impact. We present an end-to-end approach from detection to protection, manifested as five powerful services, operated by our member states. Service #1, the centralized clearing house, is our single point of contact for data storage and analysis. While offering a liberal input interface, the distribution of gained knowledge is done in a precisely defined data format, which is openly shared. Service #2, the support center, delivers structured information for stakeholders and affected end users, likewise. Here, disinfection tools can be downloaded and affected users, including small and medium enterprises, are supported in dealing with their incidents. Service #3 focuses on the detection and mitigation of infected websites, while the detection of network anomalies, including possible cloud- or mobile-based botnets, is subject to Service #4. Both services are operated in a decentralized and distributed manner in order to achieve a high degree of diversification. Obviously, all data acquired using Service #3 and #4 is sent to the centralized clearing house for further analysis. Service #5 aims on the integration of tools for identification and removal of malware (e.g., bots) from end user devices. The proposed pilot will enable ACDC to not only identify and shut down command and control servers but to eliminate the actual weapons of a botnet – the bots.

Project ID card

- Funded under: The Information and Communication Technologies Policy Support Programme
- Area: CIP-ICT-PSP.2012.5.1 - Cybersecurity
- Total cost: €16.34m
- EU contribution: €7.77m
- Project reference: 325188
- Execution: From 01/02/2013 to 31/07/2015
- Project status: Running
- Contract type: The Information and Communication Technologies Policy Support Programme PB Pilot Type B

Contact information

IVANOV Ivo
LICHTSTRASSE 43H
50825 KOLN
GERMANY
Tel. +490221700048250
Fax. +49221700048111
E-mail: **ivo.ivanov@eco.de**

Participants

Coordinator: ECO VERBAND DER DEUTSCHEN INTERNETWIRTSCHAFT EV, GERMANY

Participating partners:

Organisation	Country
ECO VERBAND DER DEUTSCHEN INTERNETWIRTSCHAFT EV	GERMANY
TECHNIKON FORSCHUNGS- UND PLANUNGSGESELLSCHAFT MBH	AUSTRIA
LEUVEN SECURITY EXCELLENCE CONSORTIUM L-SEC VZW	BELGIUM
KATHOLIEKE UNIVERSITEIT LEUVEN	BELGIUM
EAD BULGARSKI POSHTIBP	BULGARIA
COGNITIVE SECURITY SRO	CZECH REPUBLIC
SIGNAL SPAM ASSOCIATION*	FRANCE
MONTIMAGE EURL	FRANCE
MICROSOFT EMEA SAS	FRANCE
CASSIDIAN SAS	FRANCE
WESTFALISCHE HOCHSCHULE GELSENKIRCHEN, BOCHOLT, RECKLINHAUSEN	GERMANY
G DATA SOFTWARE AG	GERMANY
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V	GERMANY
DFN-CERT SERVICES GMBH	GERMANY
DE-CIX Management GmbH	GERMANY

TELECOM ITALIA S.p.A	ITALY
ISTITUTO SUPERIORE DELLE COMUNICAZIONI E DELLE TECNOLOGIE DELL'INFORMAZIONE	ITALY
ENGINEERING - INGEGNERIA INFORMATICA SPA	ITALY
FUNDACAO PARA A COMPUTACAO CIENTIFICA NACIONAL - FCCN	PORTUGAL
Hrvatska akademska i istrazivacka mreza - CARNet	REPUBLIC OF CROATIA
XLAB RAZVOJ PROGRAMSKE OPREME IN SVETOVANJE D.O.O.	REPUBLIC OF SLOVENIA
CENTRUL NATIONAL DE RASPUNS LA INCIDENTE DE SECURITATE CIBERNETICA-CERT RO ROMANIAN NATIONAL COMPUTER SECURITY INCIDENTS RESPONSE TEAM	ROMANIA
TELEFONICA INVESTIGACION Y DESARROLLO SA	SPAIN
INSTITUTO NACIONAL DE TECNOLOGIAS DE LA COMUNICACION	SPAIN
FUNDACIO PRIVADA BARCELONA DIGITAL CENTRE TECNOLOGIC	SPAIN
ATOS SPAIN SA	SPAIN
TECHNISCHE UNIVERSITEIT DELFT	THE NETHERLANDS
IVARX LIMTED	UNITED KINGDOM

See this factsheet online:
http://ec.europa.eu/information_society/apps/projects/factsheet/index.cfm?project_ref=325188