



Job offer
Royal Military Academy - Patrimony

Researcher Cyber Defense (M/F/X)
Departement CISS
project "DAP22_E01"
Publication date: 08 October 2021



Job description and associated tasks

The Patrimony of the Royal Military Academy is looking for a full-time researcher in Cyber Defense with Bachelor's or Master's Degree in computer science or equivalent.

You will work in the field of information systems and network security. Your main task will be to participate in the development of an intrusive capacity for Linux-based target systems.

Context:

The Royal Military Academy of Belgium (RMA) is a military institution responsible for the basic academic, military and physical training of future officers, and for the continuing advanced training of officers during their active career in the Belgian Defense department (www.rma.ac.be). It is fully recognized as a university, fulfilling the same criteria as civilian universities. The Royal Military Academy is also conducting scientific research at university level for projects funded by the Belgian Defense department or external sources.

In concrete terms:

- You will analyze existing literature and systems in the field of pen-testing and malware development.
- With the rest of the team, you will imagine new approaches and methods for developing an intrusive capacity against Linux-based target systems.
- You will design and implement tools that apply these approaches.
- You will participate in the testing of these tools and the selected techniques.
- You will participate in the writing of scientific articles in English describing these tools and techniques, in order to publish them in conferences or scientific journals.
- You will participate in conferences, seminars, courses and workshops, sometimes abroad.

What we offer:

- You will be working in a young and dynamic team, where autonomy and initiatives are encouraged.
- You will have the possibility to work on exciting projects related to cyber security, with concrete applications.
- You will have access to high-end material (laptop, screens, servers,...)
- You will have the possibility to attend world renowned cyber security trainings and certifications.
- You will also have the possibility of obtaining a master in Cyber Security.

The contract will be for 4 years, with possibility of extension.

More info: www.cylab.be

Required skills

Technical skills

The applicant shall have a Bachelor's or Master's Degree in computer science or equivalent.

- knowledge of Linux and classical development tools (git, make, etc.) is required;
- knowledge of the C and Python programming languages is highly recommended;
- knowledge of the Linux OS internals is an added value.

Personal skills

- You can develop software autonomously.
- You do not settle for sub-standard solutions and always try to achieve a high level of quality.
- You can conduct scientific research at a university level by searching existing literature, analyzing existing solutions in a critical way and proposing new ideas.
- You can communicate your results in a clear, concise and precise manner.
- You are involved and focused on results.
- You can work in a team and focus on the objectives of the team.
- You take initiatives to improve the functioning of the team.
- You take initiatives to improve your own skills.
- You are honest, loyal toward the institution and respect confidentiality.
- You can integrate yourself in a multidisciplinary research unit.

Other skills

- The applicant shall have good knowledge of English (oral / written)
- Minimum knowledge of French or Dutch is recommended (collaboration with peers)

Specific requirement

- The researcher may be exposed to classified information and will therefore have to obtain the required security clearance. The candidate must consent with the background check required to obtain this clearance, which will be executed by Belgian Defense.

Application

You will be working in a military environment. That is why everyone is expected to undergo a security verification. Please add to your application the filled out document that is attached to the job description: <http://www.rma.ac.be/nl/aanvraag-veiligheidsverificatie>

Send by email:

- a motivational letter;
- a CV
- a scan of your ID card (both sides);
- the filled out security document

to Mr Thibault DEBATTY (thibault.debatty@rma.ac.be) and to Mrs Helena BRUYNINCKX (erm-deao-rsw@mil.be).

Please mention clearly the reference of the project: “DAP22_E01”.

Application deadline: **22 Oct 2021**.

The interviews will take place at the **Royal Military Academy, Hobbemastraat 8, 1000 Brussels**. In case of access restriction due to COVID-19 or non-Belgian application, on-line interviews will take place. The date and time of the interview will be communicated to the preselected candidates.

Miscellaneous

Contract

- Probable date of recruitment: 1st November 2021.
- Status: Full-time employment based on an open-ended contract with the Patrimony of the Royal Military Academy (you will not be a civil servant).
- Wage scale: BI1 (holders of a Bachelor’s degree), A11 (holders of a Master’s degree in Science) / A21 (Ir or holders of a Master’s degree in Computer Sciences or Engineering).
- Holiday pay.

Extra-legal benefits

- Possibility of receiving a bilingualism allowance (Dutch/French) following a SELOR test;
- End-of-year bonus;
- Free DKV hospitalization insurance. Possibility of additional affiliation for one or more persons living under the same roof: spouse, child(ren) (50% of the price per additional member);
- Bicycle allowance / Free public transport (home-work commute);
- Free access to campus sports facilities outside working hours;
- On-campus restaurant and cafeteria with democratic prices (discount on the daily menu);
- Flexible working hours within the 38-hour week;
- Teleworking possible after 1 year of service at the latest;
- Additional holiday for all staff between Christmas and New Year;
- 26 days holiday / year (then from 45 years: +1 day holiday every 5 years) from the 1st year of contract + 3 days / year dispensation from service offered by the department;
- Advantages and interesting offers thanks to the Benefits@work card (discounts, vouchers...);

- Entitlement to services offered by the 'Office Central d'Action Sociale et Culturelle de la Défense' (OCASC): among others holiday centres, discount on travel organised by the tour operator...;
- Possibility of benefiting from the nursery funded by Belgian Defence (subject to availability).

Work place

- Royal Military Academy, Avenue de la Renaissance 30, 1000 Brussels;
- Occasional travels abroad;
- Meetings at partner's premises;
- Stimulating work environment.

Points of contact

- Concerning the research project: to Thibault DEBATTY (thibault.debatty@rma.ac.be)
- Concerning the recruitment modalities: Mrs Helena Bruyninckx (erm-deao-rsw@mil.be)
- For more information about the Royal Military Academy, see <http://www.rma.ac.be>