

Scope of Work for Infuse Learning Path Skill Practice & Validation Exercises

Internews is seeking a qualified applicant(s) interested in developing practice and validation exercises for the Infuse framework to help upskill digital protectors (technologists, trainers, auditors, etc.) in web security skills.

About Infuse

Over the past few years, Internews has consistently heard from digital protectors (technologists, auditors, trainers, etc.) and people from the internet freedom space how challenging it is to identify areas of advanced expertise and locate relevant and accessible learning materials that would allow them to develop these advanced skills. Additionally, Internews is aware that mechanisms for digital protectors to verify their skills are limited and highly centralized.

To address these challenges and to make specialized technical expertise (STE) more widely available in contexts where at-risk communities need it most, Internews is implementing the Infuse framework which aims to boost STE among digital protectors. In doing so, Infuse is working closely with three core regional partner organizations and digital protectors from around the globe to (1) co-develop a learning path framework made up of existing materials, (2) launch this framework along with guidance on how these skills may be verified (by one's self, a peer, a mentor, etc.), and (3) provide opportunities for upskilled protectors to apply STE in supporting at-risk individuals and organizations in their communities. Infuse hopes for the project to result in a sustainable community-owned resource for digital protectors to use and maintain for years to come.

Opportunity

Internews is currently developing two learning paths: one on **Web Application Security Fundamentals** and the other on **Web Application Attack Preparation, Forensics, and Incident Response**. Links to draft version of the two learning paths can be found here:

- Web Application Security Fundamentals: <https://docs.google.com/document/d/1QjIRAG-EAUwvazmiftTTWP4MJ4uTUfOCW0TL9NE336s/edit?usp=sharing>
- Web Applications Attack Preparation, Forensics, and Incident Response: https://docs.google.com/document/d/1pSJTW5p_ORkF3sSF6x8kgmABznfAp1zgURkeAcQ6fbg/edit?usp=sharing

Every learning path developed as part of the Infuse project has strong practice and skill check exercise components. Practice exercises allow learners to test out the skills and tools they have just learned about. Skill check exercises tell a learner whether they have understood a topic in sufficient depth. A skill check exercise can ideally be performed either by a learner working by themselves or in cooperation with a mentor or peer learner who could verify the learner's findings.

We are looking for one or multiple consultants to develop the following exercises:

- Web Application Security Fundamentals:
 - **One Practice exercise** for Subtopic 1: Infrastructure Vulnerabilities

- **One Skill Check exercise** (perhaps a skill quiz) and **one Practice exercise** for Subtopic 3: Authentication
- **One Skill Check exercise** for Subtopic 5: Application Logic
- Web Applications Attack Preparation, Forensics, and Incident Response:
 - **One Skill Check exercise** and **one Practice exercise** for Subtopic 1: Website Hardening
 - **One Skill Check exercise** and **one Practice exercise** for Subtopic 2: Website Logging for Security
 - **One Skill Check exercise** and **one Practice exercise** for Subtopic 3: Denial of Service Incident Response

This could be done through either rewriting and editing existing ones or writing new exercises from scratch. The amount and scope of the exercises are negotiable, and we look forward to discussing details with applicants.

Timeline

Deliverables completed by end of February 15, 2024.

Responsibilities

In coordination with Internews and its partners, the consultant will develop this resource for the Infuse learning path. This will involve an initial discussion with Internews and/or its partners regarding the specifics of what is expected as far as outputs and approval of ideas to be proposed by the consultant. The consultant will also be expected to make edits to the resource(s) produced based on feedback from Internews and/or its partners.

Qualifications

- Demonstrated experience in developing exercises or similar training materials related to web security.
- Demonstrated expertise in web security. Expertise may be demonstrated through a combination of educational, professional, and/or community-focused experience.
- Advanced or fluent proficiency in written and spoken English. Proficiency in other languages, including Arabic, French, Portuguese, Spanish, and Swahili, is a plus.

Application Instructions

Note: *The following application instructions apply to individuals. If your organization is interested in receiving sub-grant funding to fulfil any part of the scope of work, please email infuse@internews.org.*

Required: Submit your CV along with a brief outline of your draft approach to the consultancy to Infuse@Internews.org (use “[Last Name] – Web Security Exercises” for the subject line) by **January 24, 2024**.

Recommended but optional: Applicants may also submit a sample of any relevant work they have produced to Infuse@Internews.org when they submit the required application materials.

Please reach out with any questions to Infuse@Internews.org.