BISHOPFOX

WHAT TO EXPECT

WORKPLACE FROM FACEBOOK SECURITY ASSESSMENT

SEPTEMBER 2020

PROPRIETARY INFORMATION

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OVERVIEW

A little bit about us.

OUR PURPOSE:

SUPPORTING PARTNER & CUSTOMER SECURITY

The **Workplace from Facebook Security Program** is a collaborative effort to protect partner, customer, and Workplace data by increasing the security of partner ISV's application that integrate with the Facebook Workplace ecosystem.

The Workplace Program has engaged Bishop Fox to conduct appropriate security testing with the goal of validating the security of Workplace ISVs' applications and **ensuring Workplace user data is being handled securely.**

Bishop Fox's main goal is to help you complete the Workplace Security Assessment requirements listed on Workplace Platform Security Program FAQ.

WHY CHOOSE BISHOP FOX

Inquiring minds want to know

WE DO ONE THING

Bishop Fox was founded on the principle that all we do is advise our clients so they can make the best possible security decisions.

DEEP EXPERIENCE

Our team's technical depth and expertise means we can tailor every solution or project to your unique requirements. We don't just check boxes!

SENIOR ATTENTION

Partners and senior consultants drive service delivery, and we are committed to every project's success. You won't be handed off to a junior team.

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ENGAGEMENT MODEL

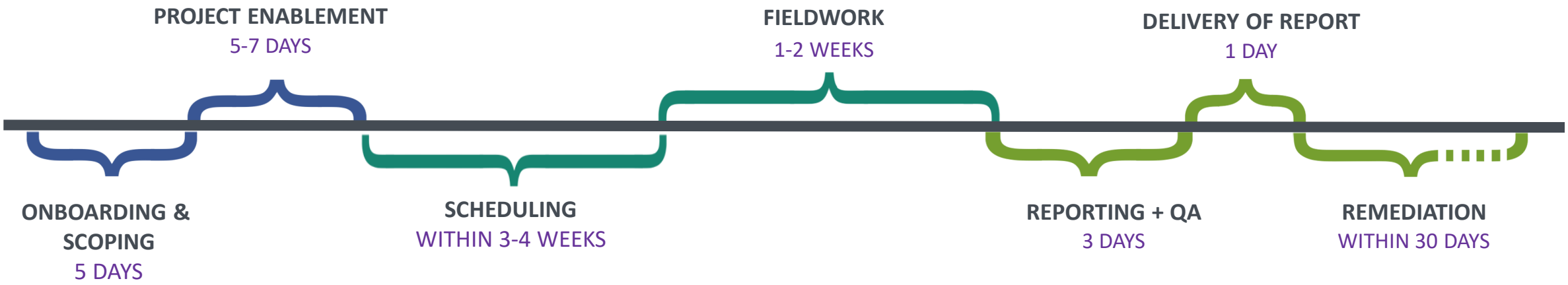
How we partner with you.

PROJECT ACTIVITIES

PROJECT TIMELINE

Estimated timeline based on average engagement size

*Timelines can shorten if there is a quick turn around on requested project enablement information



KEY POINTS

SCOPING THE ASSESSMENT

ONBOARDING

A Bishop Fox account manager can work with you to complete a scoping survey and collect initial details about your company and application to be used for onboarding.

SCOPING

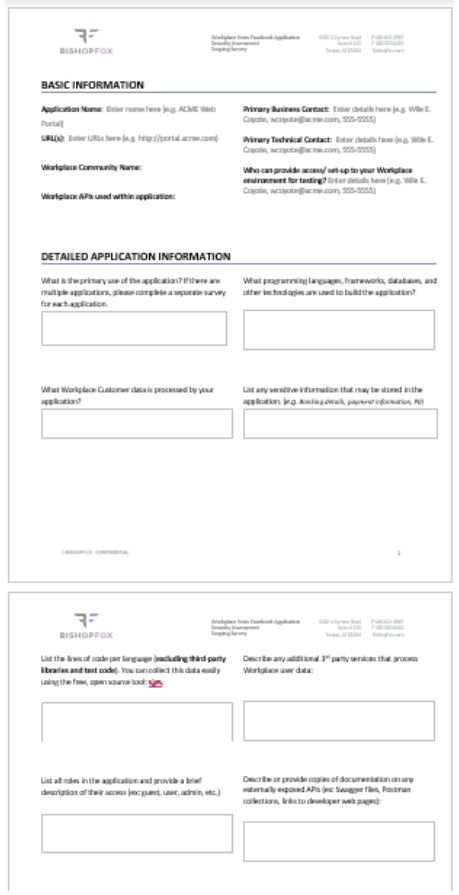
A Solutions Architect will use the information from the scoping survey to determine the appropriate testing scope. This is determined on the size, level of data sensitivity and complexity of the application and environment, so it is important to fill out the survey accurately and provide documentation where possible

Note: Please exclude test code and 3rd party code from the line of code count where possible, this helps prevent over-scoping.

NEXT STEPS

A Bishop Fox account manager will reach out to your team with an estimated quote. Once pricing is agreed on, a statement of work will be sent over for your review. After signing, your account manager/account liaison will facilitate introductions to the engagement management team to start on the collection of project enablement requirements.

SCOPING SURVEY: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BASIC INFORMATION

Application Name: Enter name here (e.g. ACME Web Portal)

URL(s): Enter URLs here (e.g. http://portal.acme.com)

Workplace Community Name:

Workplace APIs used within application:

Primary Business Contact: Enter details here (e.g. Wile E. Coyote, wcoyote@acme.com, 555-5555)

Primary Technical Contact: Enter details here (e.g. Wile E. Coyote, wcoyote@acme.com, 555-5555)

Who can provide access/ set-up to your Workplace environment for testing? Enter details here (e.g. Wile E. Coyote, wcoyote@acme.com, 555-5555)

DETAILED APPLICATION INFORMATION

What is the primary use of the application? If there are multiple applications, please complete a separate survey for each application.

What programming languages, frameworks, databases, and other technologies are used to build the application?

What Workplace Customer data is processed by your application?

List any sensitive information that may be stored in the application. (e.g. banking details, payment information, PII)

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List the lines of code per language (excluding third-party libraries and test code). You can collect this data easily using the free, open source tool: SLOC

Describe any additional 3rd party services that process Workplace user data:

List all roles in the application and provide a brief description of their access (ex: guest, user, admin, etc.)

Describe or provide copies of documentation on any externally exposed APIs (ex: Swagger files, Postman collections, links to developer web pages):

GETTING READY FOR THE ASSESSMENT

PRE-ENGAGEMENT

Sample list of items needed to begin the assessment:

PROJECT ENABLEMENT REQUIREMENTS (Test environment needed prior to project start)	**RFI (SELF-ASSESSMENT QUESTIONNAIRE)**	**APPLICATION PENETRATION TESTING**
Test environment URLs / IP Addresses	Please begin to fill out your RFI (not required to start assessment)	Please provide testing application environment URL in scope
Credentials / Test Accounts	N/A	3 test accounts per role
Workplace APIs	N/A	Yes
Documentation, Diagrams, Guides	Required documentation; Incident Response Plan and Data Classification Policy	Optional; Documentation on user functionality and documentation on APIs

DURING THE ASSESSMENT

FIELDWORK

REMOTE TESTING

All testing will be performed remotely unless otherwise an exception is granted and determined in advance.

COLLABORATIVE APPROACH

Our testing approach is collaborative with partners (instead of adversarial). We are performing time-limited penetration testing to find as many potential security issues as possible, with a focus on validating a minimum level of capability in handling data securely (see project activities for more detail).

STATUS UPDATES

During testing, Bishop Fox team will provide weekly status updates to your team. Status updates will include completed tasks, preliminary findings, current activities, and planned activities. Any escalations outside of weekly updates will be handled in accordance with pre-defined escalation procedures.

WRAPPING UP THE ASSESSMENT

DELIVERABLES AND REMEDIATION TESTING

ASSESSMENT REPORT

The report includes an executive summary detailing a project overview, project scope, summary of findings, and strategic next steps. The Assessment Report will include a review of the methodology, technical findings including vulnerability description, severity level, affected systems, business and technical impact, remediation recommendations, and walkthrough of exploitation with screenshots if applicable.

REPORT WALKTHROUGH

Bishop Fox will walk through the report with the ISV team and any relevant stakeholders. Walkthrough includes a review of the project approach and scope, discussion of individual findings and recommendations, and guidance on next steps.

REMEDIATION TESTING

Once the ISV has remediated any vulnerabilities found during testing, Bishop Fox will perform one (1) round of remediation testing to validate the issues are fully resolved. Remediation must be requested after fieldwork has been completed and within 30 days of report delivery.

TESTING LETTER

All Testing Letters will be issued at Bishop Fox's discretion and submitted to Workplace by Bishop Fox.

HOW TO QUALIFY

TESTING LETTER FAQ

- Bishop Fox will author a testing letter to serve as evidence to Workplace if the following qualification have been met.
    - You will be required to fix and re-test any vulnerabilities having a severity greater than 7.0 according to CVSS 3.1 scale
- This letter includes an engagement overview, services or activities performed (i.e. reference the Workplace testing requirements), testing dates, testing environment, and list of testing targets.
- Testing letters are valid for 12 months after the issue date.

PLANNING AHEAD FOR NEXT YEAR

ANNUAL TESTING EFFICIENCIES

- Bishop Fox can rescope the partner testing environment following the same scoping process with the added benefit of prior data and testing notes.
- Bishop Fox will **keep track of each ISV's scoping information from year to year** and leverage this data when scoping subsequent testing projects. This has the benefit of potentially reducing effort required for follow-on testing.
- Any relevant testing notes taken during the initial project will be archived by Bishop Fox for follow-on testing to **reduce ramp up time for Bishop Fox consultants**.
- Previously developed test harnesses or testing scenarios will be re-used or repurposed to **improve testing efficiency**.

03

FAQs

You have questions, we have answers.

FREQUENTLY ASKED QUESTIONS

- **HOW MUCH WILL THE ASSESSMENT COST?**

  Cost is between $15,000 and $50,000 plus depending on the size of the application, size of the environment, and the sensitivity level of Facebook user data is utilized.

- **WHEN WILL THE ASSESSMENT START?**

  After SOW is signed, it typically will take approximately 4 weeks to staff the assessment. During that time, we will request that the ISV provide full project enablement items (e.g. test environment that mirrors prod, credentials, test accounts, documentation, etc.) before receiving a start date. This is to ensure that there are no delays to the project schedule.

- **HOW LONG WILL THE ASSESSMENT TAKE?**

  Once all the paperwork is in place, fieldwork can typically take up to 1-2 weeks. After that, reporting and QA can take up to 1 week for assessment report delivery. This does not include remediation time.

FREQUENTLY ASKED QUESTIONS

- **WHAT WILL THE SCOPE OF THE TESTING BE?**

  The focus of the penetration testing will be on:
  - **Application Penetration Testing**
  - **Security RFI** - We will evaluate the effectiveness of the ISV's security practices and procedures across a breath of areas, including data handling, secure software development, and vulnerability management in a self-assessment questionnaire provided to the ISV.

- **WHAT WILL THE SCOPING INFORMATION BE USED FOR?**

  Information shared with us for scoping will be used to determine overall effort required and will also shorten the ramp up time needed for testing. If we can understand the environment before testing, we can spend less time on discovery/foot printing and more time and on active pen testing. The more accurate the scoping details are, the more accurate and cost sensitive we can be with the scope and quote.

- **DO I NEED TO PROVIDE SOURCE CODE?**

  We'll leave that up to you. If you want to provide source code, it can help us be more efficient with our time and get to a deeper level of testing. That said, source code is not required for this assessment.

FREQUENTLY ASKED QUESTIONS

- **HOW LONG DOES REMEDIATION TAKE?**
  Typically, about 1-2 weeks for remediation testing depending on size of remediation testing.

- **ONLY A SMALL PART OF MY APPLICATION USES FACEBOOK XXXXX. DOES IT ALL GET INCLUDED IN SCOPE?**
  Yes, unless Workplace customer data is clearly isolated from other parts of your application, we need to test the entire application. If an attacker can exploit one part of your application not directly related to Workplace, that exploit could be used to compromise Workplace customer data.

- **HOW WILL MY SENSITIVE DATA BE HANDLED?**
  All sensitive data including source code will be stored, processed, and transmitted securely. Your Bishop Fox Engagement Manager can help setup a secure file share to use throughout the project.

FREQUENTLY ASKED QUESTIONS

- **WE ARE INTERESTED IN A STANDARD BISHOP FOX LETTER OF ASSESSMENT IN ADDITION TO THE FACEBOOK TESTING LETTER. DOES THIS CHANGE THE SCOPE / COST?**

  Yes, we will need to review the scope and determine if additional testing is required to meet our standards for a general Letter of Assessment in addition to the Facebook Workplace Testing Letter. If you have a particular compliance requirement, please describe it and the framework so we can consider it appropriately in scoping.

04

METHODOLOGIES

Project Activities

PROJECT ACTIVITIES

APPLICATION PENETRATION TESTING

APPROACH

- **Real-world attack simulation** focused on identification and exploitation
- **Discovery of attack surface**, authorization bypass, and input validation issues
- Automated vulnerability scanning combined with manual validation
- **Exploitation** of software vulnerabilities, insecure configurations, design flaws, and weak authentication
- Analysis of vulnerabilities to validate and develop complex **attack chaining** patterns and custom exploits
- That there are no known unresolved vulnerabilities with **CVSS 3.1** score 7.0 or greater.

SCOPE

- ISV's applications that integrate with a Workplace ecosystem especially those handling Workplace or sensitive customer data

PROJECT ACTIVITIES

RFI - SELF-ASSESSMENT QUESTIONNAIRE

APPROACH

- Ask **targeted questions** about how the ISV organization addresses common threats, based on industry trend reports, CIS CSC Top 20, and Bishop Fox's experience.
- Review self-assessment questionnaire responses, rating responses as met, partially met, or not met based on **standardized evaluation criteria**.

SCOPE

- Internal control environment for all ISV infrastructure, systems, and relevant applications interfacing with the Workplace ecosystem or handling sensitive customer data

PROJECT ACTIVITIES

REMEDIATION TESTING

APPROACH

- **Perform remediation testing** against those issues identified by ISV as having been remediated.
- **One round of remediation testing** will be performed **after fieldwork is completed** and must be requested **within 30 days after report delivery**.

SCOPE

- Vulnerabilities identified as part of the ISV security testing program

NOTE

- Remediation testing can be separately scoped based on final report or built-in to the initial assessment scope. If additional rounds of remediation testing are needed, we can create a change order for the additional days of testing that are required.
- Remediation testing will be performed at the end of the assessment **once all required fixes** have been completed. This helps keep the assessment schedule on track and ensures fieldwork hours go towards completing the assessment work.

GET IN TOUCH
WITH US

services.bishopfox.com/workplace-from-facebook

THANK
YOU