


# Day 1 - Inventory Management

## Scenario

Task 6 [Day 1] Inventory Management



Deploy

Elves needed a way to submit their inventory - have a web page where they submit their requests and the elf mcinventory can look at what others have submitted to approve their requests. It's a busy time for mcinventory as elves are starting to put in their orders. mcinventory rushes into McElferson's office.

*I don't know what to do. We need to get inventory going. Elves can log on but I can't actually authorise people's requests! How will the rest start manufacturing what they want.*

McElferson calls you to take a look at the website to see if there's anything you can do to help. Deploy the machine and access the website at [http://<your\\_machines\\_ip>:3000](http://<your_machines_ip>:3000) - it can take up to 3 minutes for your machine to boot!

Supporting material for the challenge is [here!](#)

## checking out the http port 3000 webpage

Christmas Inventory List | Login - Mozilla Firefox

Christmas Inventory List | Lo X +

10.10.93.57:3000/login

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🎅 Christmas Inventory List Login Register

# Login

Email

Password

Submit



## register an account



10.10.93.57:3000/register



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Christmas Inventory List

Login

Register

# Register



Email

Name

login to the account i've created



# Login

User Created

Email

test@test.com

Password

••••

Submit

the homepage after login & it's empty here due to the account i've created are new



# Inventory Submission

Request some inventory to make your gifts

Item	Approval Status
------	-----------------

Write out your entry here

Submit




checking the webpage cookies & i've found my session token cookie  
//authid

Name	Value	Domain	Path	Expires / Max-Age
authid	dGVzdHY0ZXI5bGwxIXNz	10.10.93.57	/	Session

Question: What is the name of the cookie used for authentication?  
-authid

since the authid value used base64 to encode, let's try to decode it  
//if we notice that the 'test' here will be our username & after the username part 'v4er9ll1!ss' it'll be the fixed value

Recipe



From Base64

Alphabet

A-Za-z0-9+/=

☒ Remove non-alphabet chars

Input

dGVzdHY0ZXI5bGwxIXNz

Output

testv4er9ll1!ss

Question: If you decode the cookie, what is the value of the fixed part of the cookie?  
-v4er9ll1!ss

now we know that the user is mcinventory, so let's encode it into mcinventory authid cookies

Recipe

To Base64

Alphabet

A-Za-z0-9+/=

Input

mcinventoryv4er9ll1!ss

Output

bWNpbnZlbnRvcnI2NGVyOWxsMSFzcw==

edit the value of authid cookies with the base64 encoded string

Name	Value	Domain	Path	Expires / M
authid	bWNpbnZlbnRvcnI2NGVyOWxsMSFzcw...	10.10.59.48	/	Session

& we've entered into mcinventory account!

Christmas Inventory List | Admin page - Mozilla Firefox

Christmas Inventory List | Admin page - Mozilla Firefox

To Base64 - CyberChef

10.10.59.48:3000/admin

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🎅 Christmas Inventory List Logout



## Christmas Inventory Approval List

### Deleted Entries

mcinventory	firewall	Approve
scaredelf	candy canes	Approve
busyelf	reindeer	Approve
busyelf	santa's hat	Approve
busyelf	yummy elf food	Approve
busyelf	t	Approve

question: After accessing his account, what did the user mcinventory request?

mcinventory	firewall	Approve
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-firewall

