

Tumi
SERIES®

Study Opportunities® COMICS

★★★
Approved
by the
COMICS
CODE

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MAY

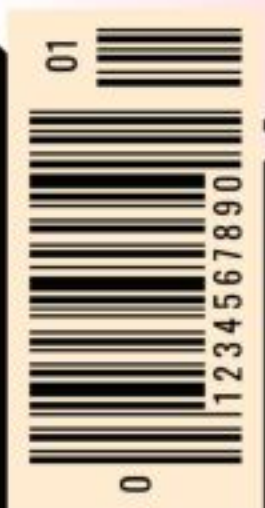
SPECIAL EDITION!

terrific

TUMI

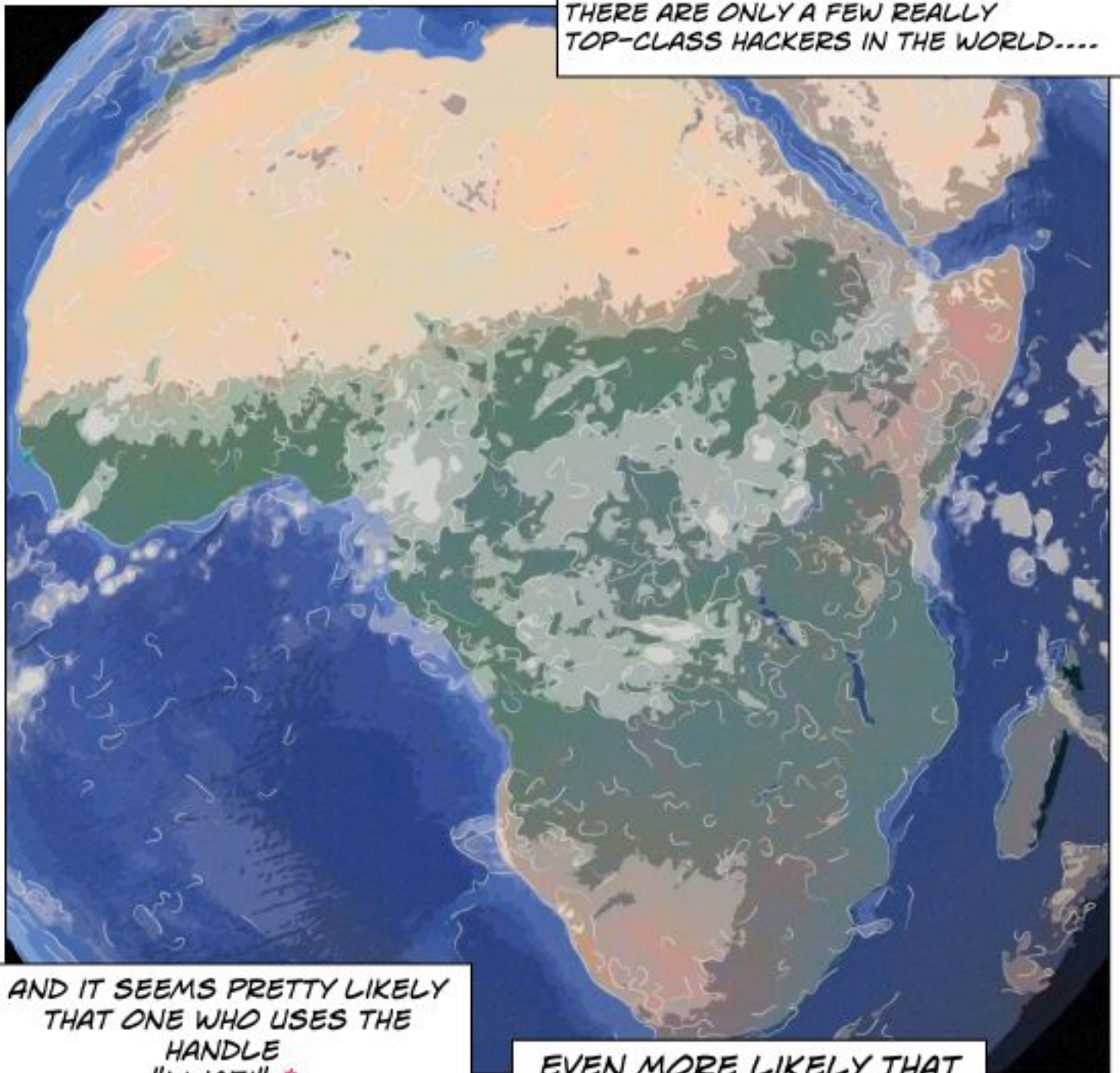
AND THE CONFUSING

CLOUD



Knowledge
INSIDE

THERE ARE ONLY A FEW REALLY
TOP-CLASS HACKERS IN THE WORLD.....



AND IT SEEMS PRETTY LIKELY
THAT ONE WHO USES THE
HANDLE
"LWAZI" *
IS LIKELY TO BE FOUND
SOMEWHERE IN AFRICA...

EVEN MORE LIKELY THAT
THAT "SOMEWHERE" WILL
BE SOUTH AFRICA....



MAYBE EVEN JOBURG?



* LWAZI IS A ZULU NAME : "ONE WHO KNOWS" /
"KNOWLEDGE"

BUT WHAT SANE PERSON EXPECTS TO
FIND A HIGH-TECH HACKER HIDEOUT.....



IN AN INFORMAL SETTLEMENT ON
THE EDGES OF THE CITY?



DOESN'T LOOK LIKE MUCH, DOES IT?



BUT WHEN A CERTAIN BATTERED OLD GREEN LAND
ROVER PULLS UP AND A FIGURE SLIDES OUT AND
STRIDES TO THE DOOR...



IT QUICKLY BECOMES CLEAR THAT
THIS IS MUCH MORE THAN AN
ORDINARY SHACK...



LWAZI IS IN THE HOUSE....

HIS ENEMIES FEAR HIM AND CALL HIM

THE BLOODHOUND

OR

THE VIRUS AVENGER

OR EVEN

THE CODE STALKER

BECAUSE LWAZI IS A BAD ASS
HACKER.

NOT THE BAD KIND.

HE FINDS THE BAD GUYS AND KICKS THEIR
BUTTS FROM HERE TO ETERNITY ON A
DAILY BASIS.

AND THEM DUDES ARE SCARED OF HIM SO
BAD THEY JUST HEAR THAT HE MIGHT BE
AFTER THEM AND THEY GONNA HAND
THEMSELVES OVER TO THE POLICE
ALREADY.

NO CONTEST.

GAME OVER.

MS KHUMALO
HAS ASKED IF WE KNOW
ANYONE WHO CAN JOIN OUR
ONLINE LESSON THIS WEEK TO
HELP SHOW WHAT THE CLOUD IS
ALL ABOUT....

OK
GOOGLE,
CALL UNCLE
B!

TO TUMI THOUGH, HE'S JUST HER
SUPER NICE,
SUPER SMART
UNCLE BONGI.

I THINK I
KNOW JUST WHO TO
CALL....





LATER -

KIRIL SAID 'YES' AND THE DAY OF THE LESSON HAS COME...

HE JOINS THE ZOOM MEETING SET UP BY TUMI'S TEACHER...

HELLO EVERYONE!

MY NAME IS KIRIL

AND I WORK IN A "CLOUD"
HERE IN SOUTH AFRICA

BEFORE I SHOW YOU HOW TO MAKE A DATA CENTRE, I WANT TO EXPLAIN WHAT THE "CLOUD" IS....

THE CLOUD IS NOTHING BUT

**LOTS AND LOTS
AND LOTS
AND LOTS**

OF COMPUTERS CONNECTED TO THE INTERNET

THAT ALMOST ANYONE IN THE WHOLE WORLD CAN USE.....

THE THING IS....

THE USERS DON'T KNOW OR CARE WHERE IN THE WORLD THE COMPUTERS THAT THEY ARE USING ARE.

TO THE USER IT IS LIKE MAGIC

THAT'S WHY THIS COLLECTION OF COMPUTERS IS CALLED

"THE CLOUD"

A BIG FLUFFY COLLECTION OF DATA THAT FILLS THE SKY AND THAT WE CAN USE ANYTIME WE WANT



BUT
THE CLOUD
ISN'T MAGIC

IT IS MADE UP
COMPUTERS OWNED AND
OPERATED BY MANY
DIFFERENT COMPANIES

amazon



Microsoft

Google



Dropbox

THOUSANDS

OF COMPUTERS IN DATA CENTRES
AROUND THE WORLD -

JUST LIKE THE ONE I WORK IN!



EVEN MILLIONS



AND THESE
DATA CENTRES
COST

**MILLIONS
OF DOLLARS**

(NOT RANDS)
TO BUILD AND RUN!

How to make a

CLOUD

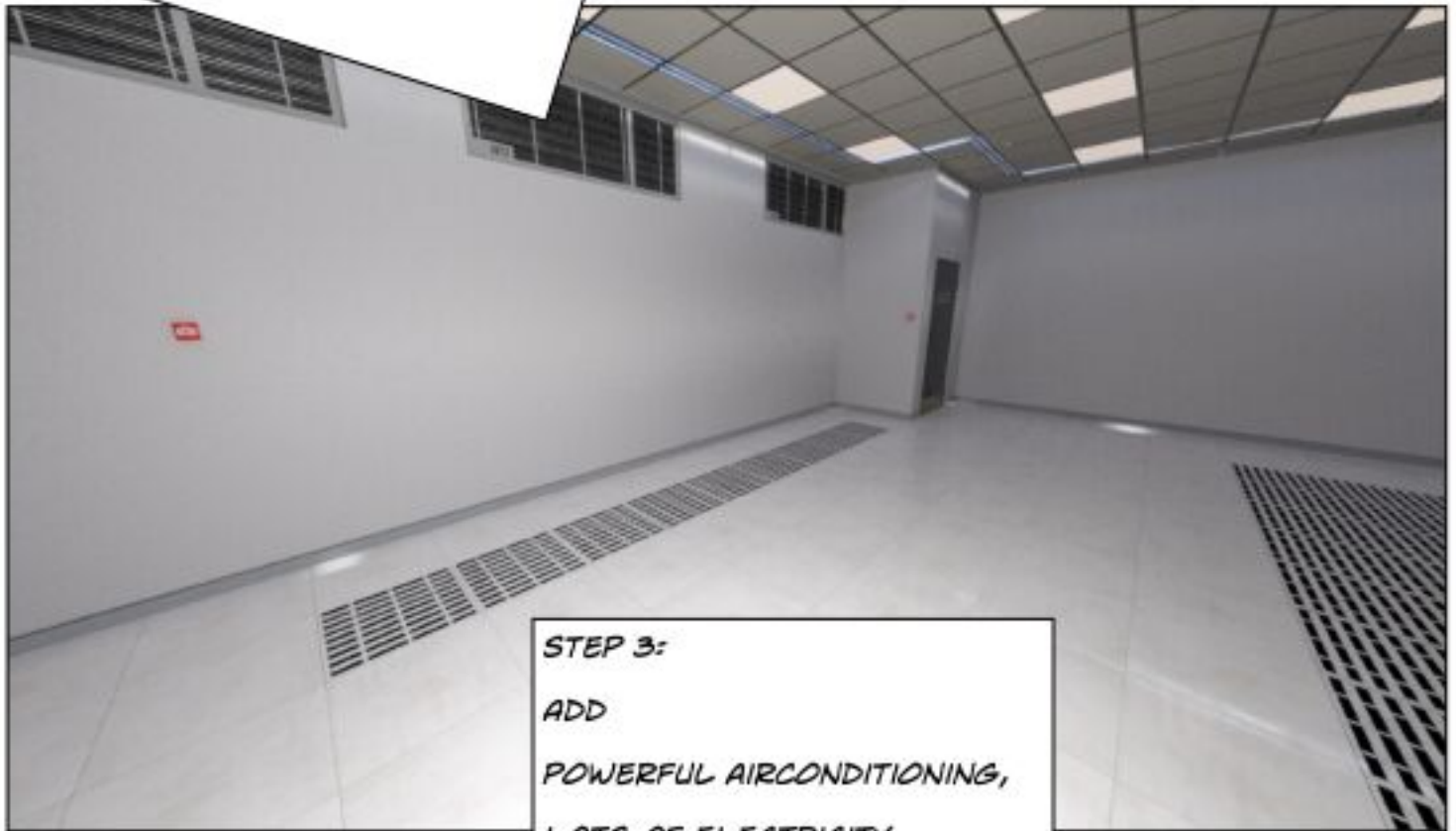
STEP 1:

BUILD, BUY OR RENT A BIG
BUILDING



STEP 2:

MAKE SURE IT HAS LOTS
OF BIG, OPEN FLOOR
SPACE



STEP 3:

ADD
POWERFUL AIRCONDITIONING,
LOTS OF ELECTRICITY
AND
A FAST INTERNET CONNECTION

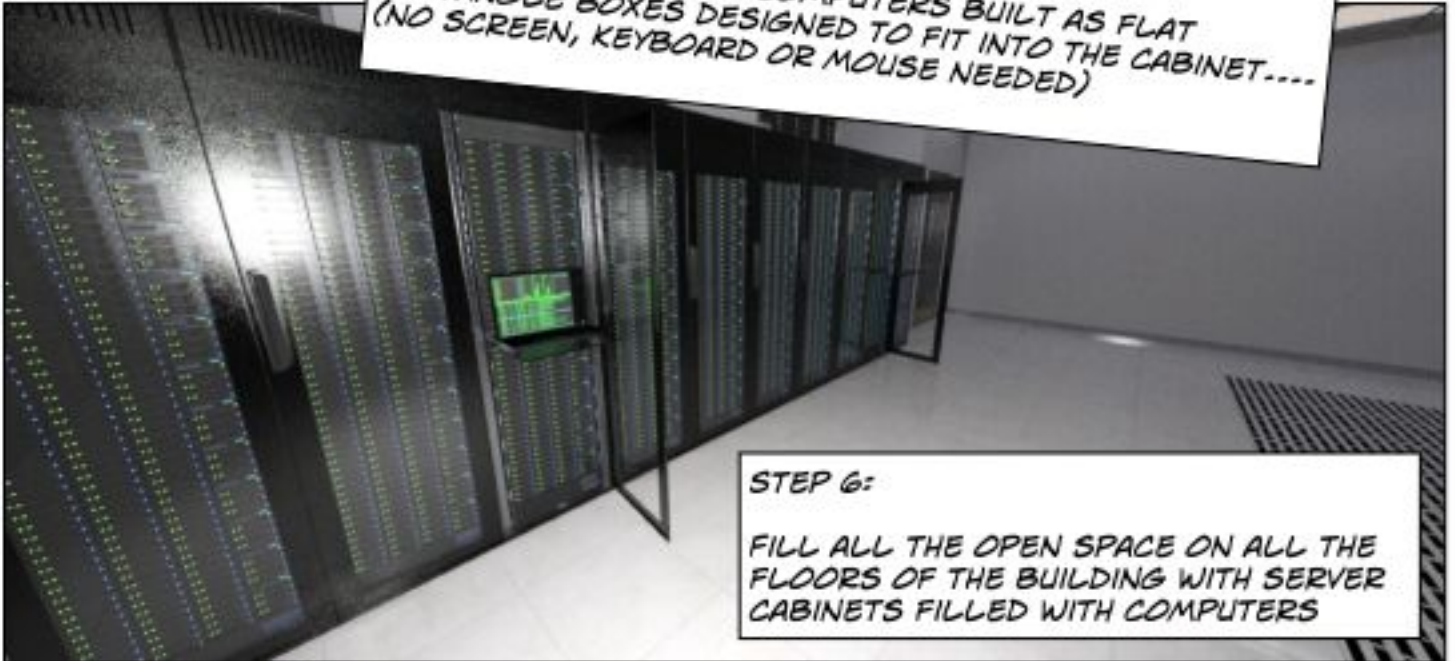
STEP 4:

BRING IN A SERVER CABINET



STEP 5:

FILL THE CABINET WITH COMPUTERS BUILT AS FLAT
RECTANGLE BOXES DESIGNED TO FIT INTO THE CABINET....
(NO SCREEN, KEYBOARD OR MOUSE NEEDED)



STEP 6:

FILL ALL THE OPEN SPACE ON ALL THE
FLOORS OF THE BUILDING WITH SERVER
CABINETS FILLED WITH COMPUTERS



AND NOW YOU HAVE BUILT A CLOUD!

SUDDENLY LWAZI
JOINS THE CHAT

BUT THE
HARDWARE IS
NOT ENOUGH.

JUST LIKE YOUR OWN
COMPUTER, WHAT THE CLOUD
GETS USED FOR DEPENDS ON
THE SOFTWARE IT IS
RUNNING...

CHECK
OUT
THESE
EXAMPLES:

STORE LOTS OF VIDEOS ON YOUR COMPUTERS AND LET PEOPLE
WATCH THEM WITHOUT HAVING TO DOWNLOAD THEM AND YOU HAVE
VIDEO STREAMING SERVICES

NETFLIX

You Tube

amazon
prime video

showmax

WRITE SOFTWARE THAT ALLOWS PEOPLE TO
POST PICTURES AND VIDEOS AND COMMENTS
AND LINK TO OTHER PEOPLE AND YOU HAVE
SOCIAL MEDIA

USE SOFTWARE THAT LETS PEOPLE ORDER
AND BUY GOODS ONLINE AND YOU HAVE
ONLINE SHOPPING:

twitter
SnapChat
Instagram
TikTok
facebook

OUTDOORPHOTO
takealot.com
Pick n Pay
YUPPIECHEF.COM
amazon
EVETECH.CO.ZA
WOOLWORTHS

LET PEOPLE CONNECT AND USE YOUR DATA CENTRE'S STORAGE AS IF IT IS THEIR OWN

PRIVATE HARD DRIVE AND YOU HAVE

CLOUD STORAGE:



Google Drive



OneDrive



Dropbox



iCloud



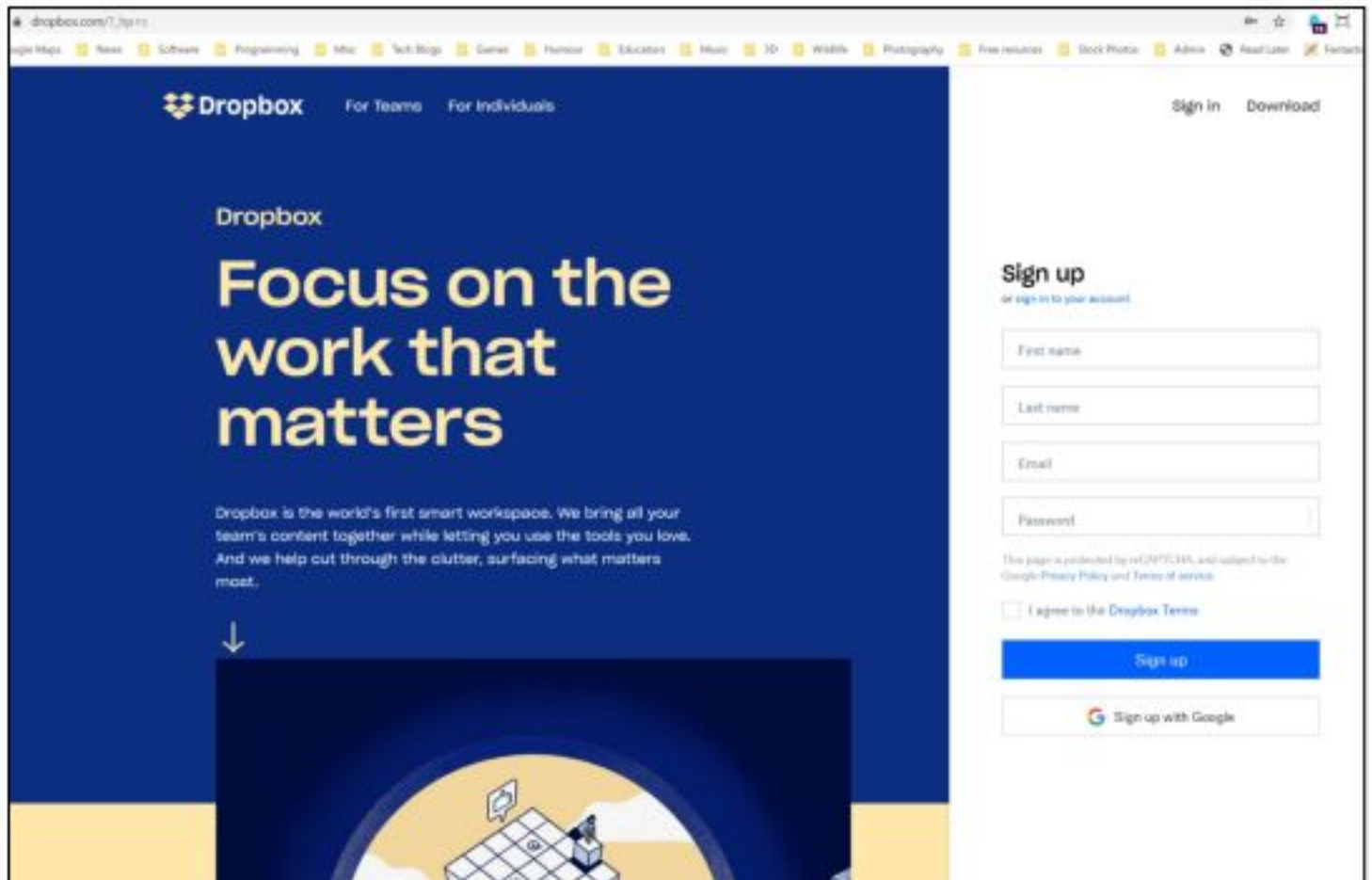
AND THERE ARE MANY, MANY MORE EXAMPLES OF WHAT "CLOUD" COMPUTERS CAN BE USED FOR...

LET'S HAVE A LOOK AT HOW TO USE CLOUD STORAGE SERVICES....



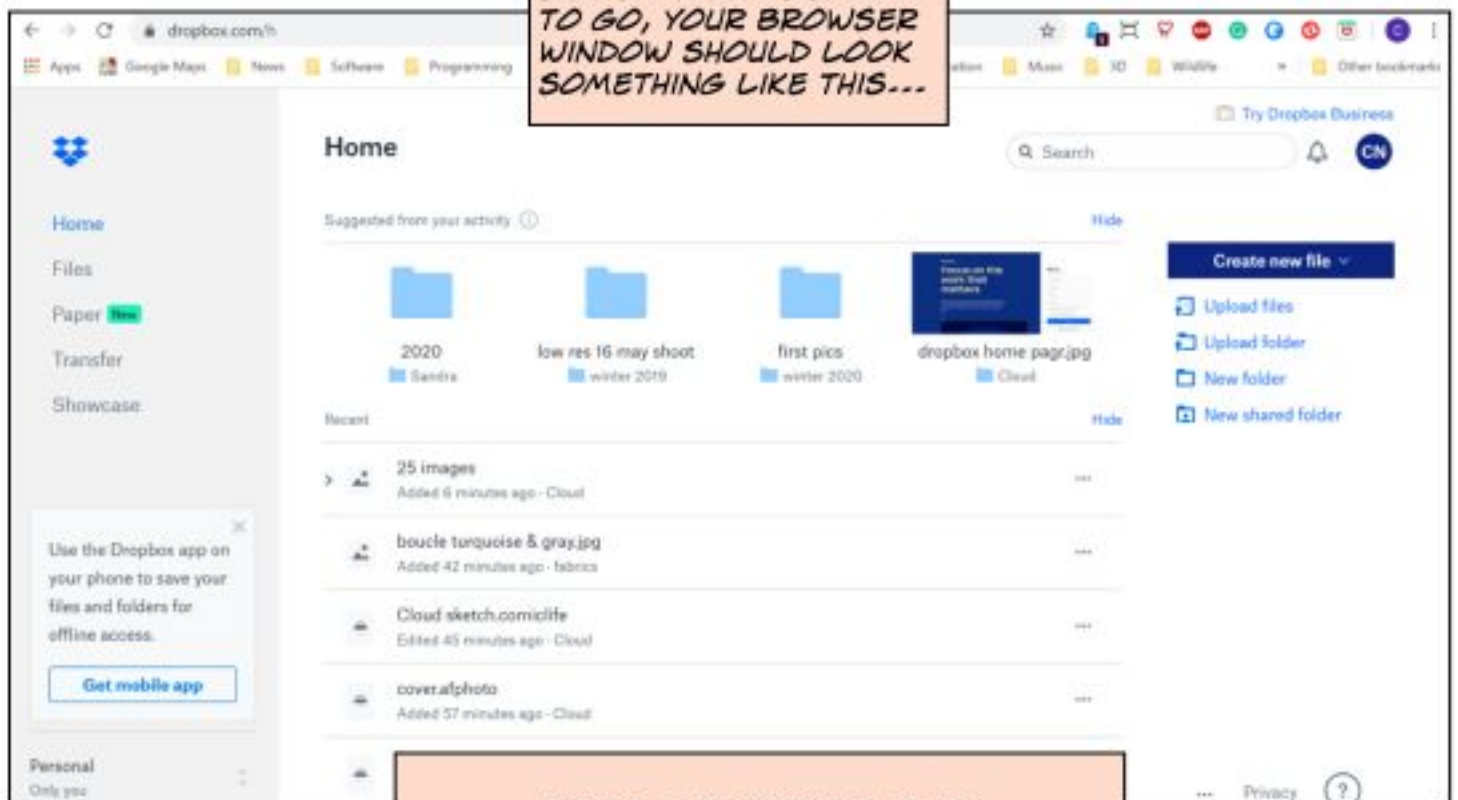
WE'LL USE **DROPBOX** FOR OUR EXAMPLE..

SO, OPEN YOUR BROWSER AND GO TO **WWW.DROPBOX.COM**



THEN EITHER SIGN UP FOR A NEW ACCOUNT OR SIGN IN IF YOU ALREADY HAVE AN ACCOUNT....

AND WHEN YOU ARE ALL SIGNED IN AND READY TO GO, YOUR BROWSER WINDOW SHOULD LOOK SOMETHING LIKE THIS...



EXCEPT, OF COURSE, THAT
YOU WILL HAVE MUCH
FEWER FOLDERS AND FILES
IN **YOUR** DROPBOX.

