

Laborator 1

2022/2023

Programarea aplicațiilor web

- Programarea aplicațiilor web
 - An V RC
 - 1.5C/1L/1P

Program

- An V
 - Saptamana 1
 - Luni 17-20 Curs (Intro/HTML/CSS)
 - Saptamanile 2-8
 - Luni 16(17)-18 Curs
 - Luni 18-20 Laborator
 - Saptamanile 9-14
 - Luni 16(17)-18 Curs
 - Luni 18-20 Proiect

Orar

- <https://orar.etti.tuiasi.ro/> : C->16(17), L/P -> 18



FACULTATEA DE ELECTRONICA, TELECOMUNICATII SI TEHNOLOGIA INFORMATIEI

55RC

ETTI

	1 8:00 - 8:50	2 9:00 - 9:50	3 10:00 - 10:50	4 11:00 - 11:50	5 12:00 - 12:50	6 13:00 - 13:50	7 14:00 - 14:50	8 15:00 - 15:50	9 16:00 - 16:50	10 17:00 - 17:50	11 18:00 - 18:50	12 19:00 - 19:50
L										PAW (C) 2.13 TC (R) Damian R.	PAW (L) 2.13 TC (R) Damian R.	
Ma								C1	RCALSC (C) Scripcariu L.		RCALSC (L) 2.13 TC (R) Scripcariu L.	
Mi								Casian-Botez I. Etic (C) P6 (Amf.)	Casian-Botez I. Etic (S) P6 (Amf.)		TEFO (L) 3.25 TTI (L) Trifina L.	
J									POO (C) P2 (Amf.) Sirbu A.		TEFO (L) 3.25 TTI (L) Trifina L.	
V										TEFO (C) 3.25 TTI (L) Trifina L.		

Nota

- An V
 - 33% E
 - 66% Aplicatii
 - 33% L
 - 33% P

Acces

■ Personalizat



Date:

Grupa	5304 (2015/2016)
Specializarea	Tehnologii si sisteme de telecomunicatii
Marca	5184

[Acceseaza ca acest student](#)

Note obtinute

Disciplina	Tip	Data	Descriere	Nota	Puncte	Obs.
TW	Tehnologii Web					
	N	17/01/2014	Nota finala	10	-	
	A	17/01/2014	Colocviu Tehnologii Web 2013/2014	10	7.55	
	B	17/01/2014	Laborator Tehnologii Web 2013/2014	9	-	
	D	17/01/2014	Tema Tehnologii Web 2013/2014	9	-	

Nume

Email

Cod de verificare

Trimite

Online

- acces la **examene** necesita **parola** primita prin email

English | Romana |

Start Didactic Master Colectiv Cercetare Studii

Note Lista Studenti Examene Fotografii

POPESCU GOPO ION

Fotografia nu exista

Date:

Grupa	5700 (2019/2020)
Specializarea	Inginerie electronica si telecomunicatii
Marca	7000021

Acceseaza ca acest student | [Iere acces la licente](#)

Note obtinute

Inca nu a fost notat.

Start Didactic Master Colectiv Colectiv

Note Lista Studenti Examene Fotografii

Identificare

Introduceti numele si adresa de email utilizata la inscriere

Nume
POPESCU GOPO

E-mail/Parola

Introduceti codul afisat mai jos

4db4457

Trimite

Online

- acces email/parola

[Start](#) [Didactic](#) [Master](#) [Colectiv](#)

[Note](#) [Lista Studenti](#) [Examene](#) [Fotografii](#)

POPESCU GOPO ION

Fotografia
nu exista

Date:

Grupa	5700 (2019/2020)
Specializarea	Inginerie electronica
Marca	7000021

Se acceseaza site-ul **ca acest student!**

[Start](#) [Didactic](#) [Master](#) [Colectiv](#) [C](#)

[Note](#) [Lista Studenti](#) [Examene](#) [Fotografii](#)

POPESCU GOPO ION

Fotografia
nu exista

Date:

Grupa	5700 (2019/2020)
Specializarea	Inginerie electronica s
Marca	7000021

Se acceseaza site-ul **ca acest student (inclusiv examene)!**

Parola

■ primita prin email

Important message from RF-OPTO

Inbox x



Radu-Florin Damian

to me, POPESCU



Romanian

> English

[Translate message](#)



Laboratorul de Microunde si Optoelectronica
Facultatea de Electronica, Telecomunicatii si Tehnologia Informatiei
Universitatea Tehnica "Gh. Asachi" Iasi

In atentie: POPESCU GOPO ION

Parola pentru a accesa examenele pe server-ul **rf-opto** este

Parola: [REDACTED]

Identificati-va pe [server](#), cu parola, cat mai rapid, pentru confirmare.

Memorati acest mesaj intr-un loc sigur, pentru utilizare ulterioara

Attention: POPESCU GOPO ION

The password to access the exams on the **rf-opto** server is

Password: [REDACTED]

Login to the [server](#), with this password, as soon as possible, for confirmation.

Save this message in a safe place for later use

Reply

Reply all

Forward

Subject	Correspondents
Important message from RF-OPTO	POPESCU GOPO ION
Validation of MD/CR exam from 02/05/2020	[REDACTED]
[REDACTED]	[REDACTED]

From: Me <rdamian@etti.tuiasi.ro> ★

Subject: Important message from RF-OPTO

To: [REDACTED]

Cc: Me <rdamian@etti.tuiasi.ro> ★



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Save this message in a safe place for later use


Manual examen online

- Aplicatia de examen online utilizata intens la:
 - curs (prezenta)
 - laborator
 - proiect
 - examen

Materials

Other data

[Manual examen on-line](#) (pdf, 2.65 MB, ro, )

[Simulare Examen](#) (video) (mp4, 65.12 MB, ro, )

Microwave Devices and Circuits (Englis

Examen online

- intotdeauna **contratimp**
 - perioada lunga (prezenta curs/rezultate laborator)
 - perioada scurta (teste: 15min, examen: 2h)

The screenshot shows a web interface for an online exam. At the top is a dark blue navigation bar with links: Start, Didactic, Master, Colectiv, Cercetare, and **Studenti**. Below this is a lighter blue bar with links: Note, Lista Studenti, **Examine**, and Fotografii. A horizontal timeline of exam stages is displayed, with the first stage, 'Anunț 17:28 (29/04/2020)', highlighted with a red circle. The other stages are: 'Material suport 17:30 (29/04/2020)', 'Subiecte 17:32 (29/04/2020)', 'Rezultate 17:35 (29/04/2020)', 'Finalizare 17:45 (29/04/2020)', and 'Confirmare 17:45 (30/04/2020)'. To the right of the timeline, another red circle highlights a timer showing '01 m 08 s' and a button labeled 'Reincarca acum'. Below the timeline, the section 'Anunț' contains the text: 'In acest examen se verifica diverse actiuni ale studentilor pentru examen'. Underneath, the section 'Ora pe server' states: 'Toate examenele sunt bazate pe fusul orar al server-ului (ar putea sa fie diferit de timpul local). Pentru referinta ora pe server este acum: 29/04/2020 17:28:51', with the timestamp circled in red.

Start Didactic Master Colectiv Cercetare **Studenti**

Note Lista Studenti **Examine** Fotografii

Anunț 17:28 (29/04/2020)	Material suport 17:30 (29/04/2020)	Subiecte 17:32 (29/04/2020)	Rezultate 17:35 (29/04/2020)	Finalizare 17:45 (29/04/2020)	Confirmare 17:45 (30/04/2020)
------------------------------------	---------------------------------------	--------------------------------	---------------------------------	----------------------------------	----------------------------------

urmatorul interval de timp in:
01 m 08 s
[Reincarca acum](#)

Anunț

In acest examen se verifica diverse actiuni ale studentilor pentru examen

Ora pe server

Toate examenele sunt bazate pe fusul orar al server-ului (ar putea sa fie diferit de timpul local). Pentru referinta ora pe server este acum:
29/04/2020 17:28:51

Nota

- An V
 - 33% E
 - 33% L
 - 33% P
- Laborator - Prezenta
 - 1pz = 1p ($p > 5 \leftrightarrow$ Curs)
- Examen
 - Prezenta la curs: 3pz = 0.5p
 - Asemanator cu materia de proiect
- Activitate suplimentara
 - Dupa terminarea activitatii la laborator
 - +1p la E/L

Examen

- probleme
- fiecare student are subiect **propriu**
- toate materialele permise
- tehnica de calcul **nu** este necesara dar este permisa

Examen

- Oricare din temele de **proiect** (sau asemenea) poate constitui una din problemele de examen
 - se va cere realizarea planului / structurii logice a aplicatiei
- Se **poate** cere scrierea unui **cod** pentru realizarea anumitor operatii, fara necesitatea corectitudinii tehnice absolute (";", nume corect al functiilor, parametri functie etc.)
- Se poate cere interpretarea unui cod php/MySql cu identificarea efectului

Laborator 1

Aplicatii

★ Favorites BCC e-SMART

BANCA COMERCIALA CARPATICA BCC e-SMART internet banking inteligent

Conturi Plati Depozite Rapoarte Setari

Rulare raport Vizualizare rapoarte

ATENTIE!
Va reamintim ca BCC nu solicita informatii confidentiale (user, parola, numar de card, data expirarii cardului, codul PIN) prin e-mail. Aceste informatii nu trebuie divulgate nimanui, sub niciun motiv.
Pentru alte lamuriri, puteti apela 0800.807.807 (numar accesibil din retea Romtelecom).
Aveti posibilitatea sa alegeti procesarea in regim de urgenta a platilor. Aceasta optiune se comisioneaza suplimentar.

Rulare raport

Raport

Ruleaza raportul

☒ imediat

☐ la data 03.03.2010 ora 23:59

Ruleaza

top

surati activitate pe Internet, va rugam sa consultati periodic documentul [SECURITATE INTERNET](#) *** BCC informeaza ca SWIFT poate furniza autor

Aplicatii

Internet Explorer browser window showing the BCR (Banca Comerciala Romana) website. The address bar displays "www.bcr.ro". The page features a navigation menu with links like "Home", "Contact", "English", "Contact center", "Go", "Cauta", and "Go". The main menu includes "CLICK 24Banking", "24 Banking", "Persoane fizice", "Private banking", "Tineri", "PFA", "Micro", "Corporatii", "IMM", "Municipalitati", "Despre noi", "Carriere", and "Presa". A sub-menu shows "Lista de conturi", "Conturi curente", "Economisire", and "Finantare".

The main content area is titled "Ordin de Plata - Creare" (Create Payment Order). It includes a table with columns: "Stare cont" (Account Status), "Tip" (Type), "Numar cont" (Account Number), "Sold disponibil" (Available Balance), and "Valuta" (Currency). The table shows one active current account with a RON currency.

Below the table, there are dropdown menus for "Sablon personal" (Personal Template) and "Sablon furnizor" (Provider Template), and a text input field for "IBAN beneficiar" (Beneficiary IBAN). A "Verificare IBAN" (Verify IBAN) button is present.

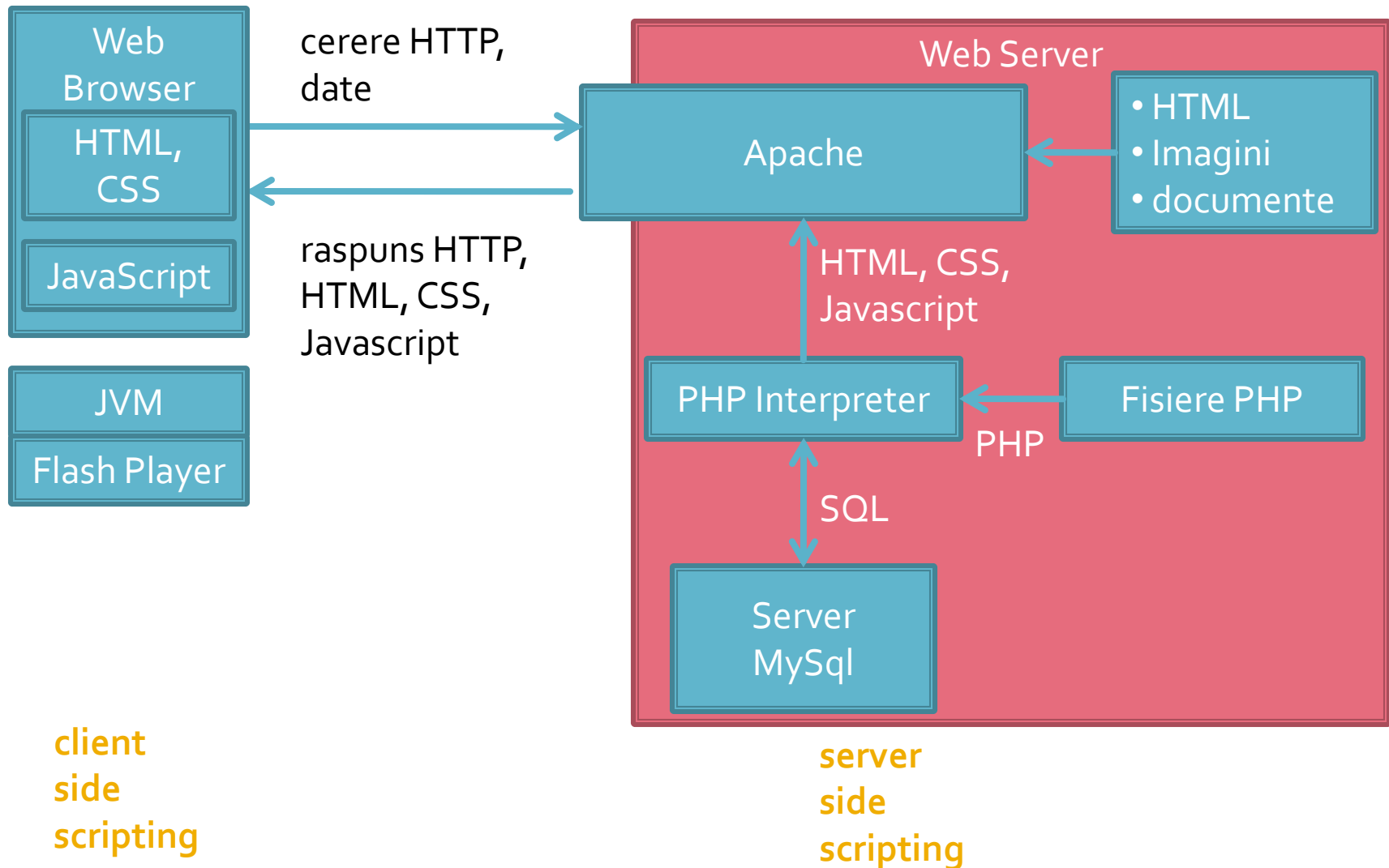
A note states: "Nota: Pentru a ordona o plata, va rugam fie sa introduceti IBAN beneficiar, fie sa selectati un sablon personal sau pentru furnizori. Atentie: Transferurile se pot efectua doar catre conturi deschise in aceeași valuta!" (Note: To place an order, please either enter the beneficiary IBAN or select a personal or provider template. Attention: Transfers can only be made to accounts opened in the same currency!).

The left sidebar contains a "Logout" button and a "Favorite" dropdown menu. Below it, a list of links includes "Ordin de Plata", "Istoricul tranzactiilor", "Lista ordine de plata", "Sabloane", "Plata repetitiva", "Schimb Valutar", "Cumpara produse", "Deschidere cont curent", "Constituire depozite la termen", "Deschidere cont de economii", "Cumparare CDD", "Ataseaza card de debit", "Aplica pentru un credit", "Curs valutar", "Mesaje(4)", "Contul meu de CLICK 24Banking (Favorite)", and "Demo Click 24 Banking".

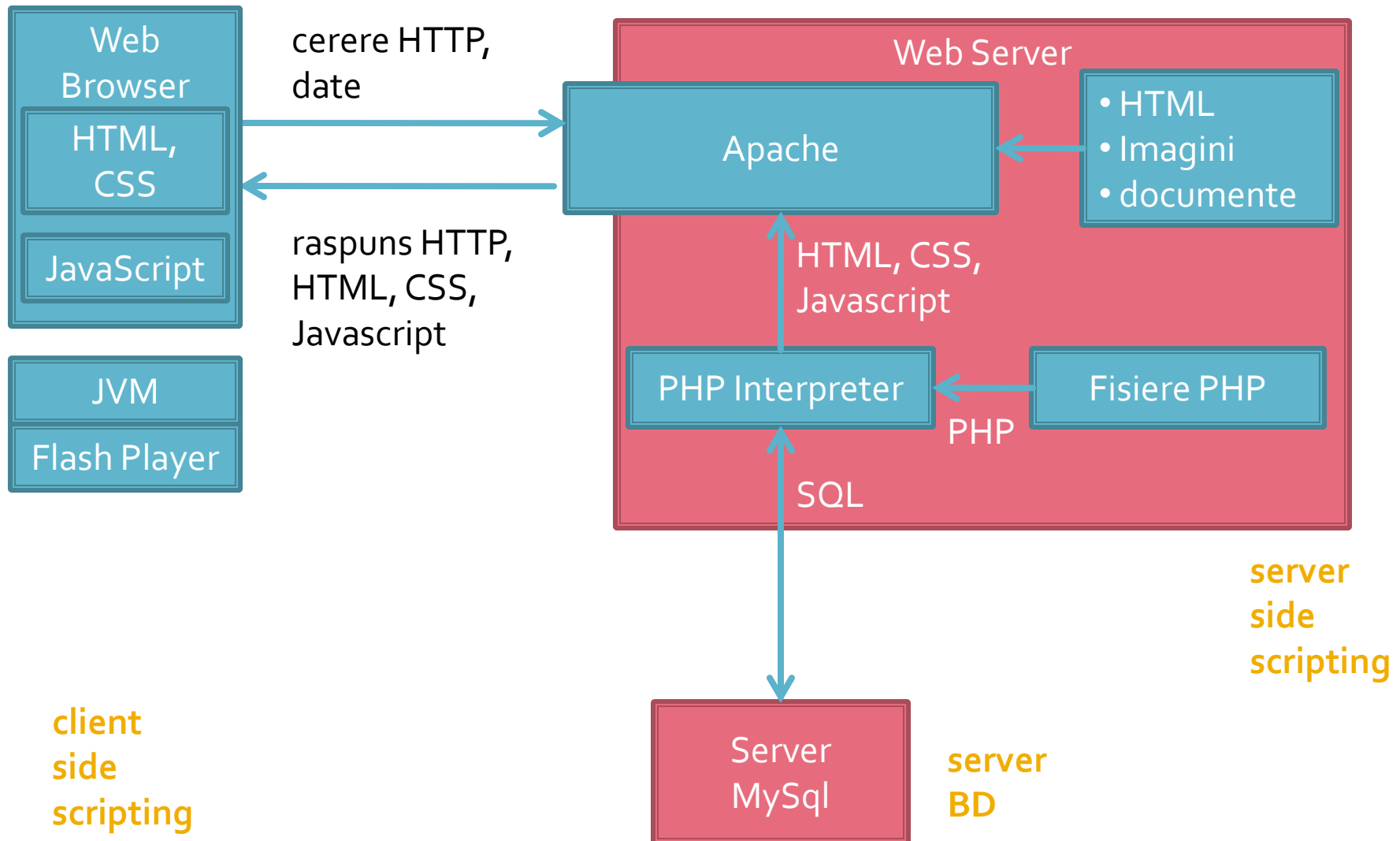
The bottom section features a "Tarife si comisioane" (Fees and Commissions) link, an "Intrebari si Raspunsuri" (Questions and Answers) link, a "24 Banking" link, and a "Contact center" link. A small image of a BCR branch is also visible.

The footer contains the text: "BANCA COMERCIALA ROMANA - SOCIETATE ADMINISTRATA IN SISTEM DUALIST, Bucuresti, B-dul Regina Elisabeta nr.5, Sector 3 | mentiuni legale - © 2008 BCR SA - Toate drepturile rezervate | site map".

Client/Server Scripting



Client/Server Scripting



Necesitate

```
<td><?php echo $row['Documente'];?>&nbsp;  </td>
<td><?php echo $row['user_creat'];?>&nbsp;  </td>
<td class="smaller"><a href="control_lot.php?id=-<?php echo $row['ID_LOT'];?>">dezactiveaza</a><br /><a href=
"control_lot.php?id=<?php echo $row['ID_LOT'];?>">modifica</a></td>
</tr>
<?php $index++;
    } while ( $row = mysql_fetch_assoc($result));?>
</table><?php
}
else
{
    echo "<p>Nu exista loturi active</p>";
}
?>

<p class="title">Loturi inactive</p>
<?php
$query = "SELECT l.*, c.`nume_user` AS `user_creat`
        FROM `lot` AS l
        LEFT JOIN `users` AS c ON (l.`User`=c.`id_user`)
        WHERE l.`Activ` = 0 ORDER BY l.`ID_LOT` DESC";
$result = mysql_query($query);
$total=0;
if ($result && (mysql_num_rows($result) > 0))
{
    $total=mysql_num_rows($result);
    $row = mysql_fetch_assoc($result);
}
if ($total>0)
{?>
<table align="center">
    <tr class="lista_titlu">
        <td align="center">Nu exista loturi inactive</td>
```

Necesitate

```
E:\Documents\Pagini Web\Safir dep\lista_lot.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

logfile.php lista_lot.php
539 <?php ??>
540
541 <div id="maincontent"><!-- InstanceBeginEditable name="Continut" -->
542 <p><span class="title">Adauga</span><br/>
543 <a href="control_lot.php?id=0">Lot nou</a></p>
544 <p class="title">Loturi active</p>
545 <?php
546 $query = "SELECT l.*, c.`nume_user` AS `user_creat`
547 FROM `lot` AS l
548 LEFT JOIN `users` AS c ON (l.`User`=c.`id_user`)
549 WHERE l.`Activ` <> 0 ORDER BY l.`ID_LOT` DESC";
550 $result = mysql_query($query);
551 $total=0;
552 if ($result && (mysql_num_rows($result) > 0))
553 {
554 $total=mysql_num_rows($result);
555 $row = mysql_fetch_assoc($result);
556 }
557 if ($total>0)
558 {?>
559 <table align="center">
560 <tr class="lista_titlu">
561 <td align="center">Nr.</td>
562 <td>Numar</td>
563 <td>Data</td>
564 <td>Nr. pui</td>
565 <td>Gr. pui</td>
566 <td>Nr. pui morti</td>
567 <td>Gr. pui morti</td>
568 <td>Ferma</td>
569 <td>Documente</td>
570 <td>Creat</td>
571 <td>Comenzi</td>
572 </tr>
573 <?php $index=1;
574 do { ?>
575 <tr class="<?php if ($index%2) echo "lista_impar"; else echo "lista_par";?>">
576 <td align="center"><?php echo $index; ?>&nbsp;</td>
577 <td><?php echo $row['Numar'];?>&nbsp;</td>
578 <td><?php echo date("d/m/Y", strtotime($row['Data']));?>&nbsp;</td>
579 <td><?php echo $row['Pui'];?>&nbsp;</td>
580 <td><?php echo $row['Greutate'];?>&nbsp;</td>
581 <td><?php echo $row['Pui_Morti'];?>&nbsp;</td>
582 <td><?php echo $row['Greutate_Morti'];?>&nbsp;</td>
583 <td><?php echo $row['Ferma'];?>&nbsp;</td>
584 <td><?php echo $row['Documente'];?>&nbsp;</td>
```

HTML

E:\Documents\Pagini Web\Safir dep\lista_lot.php - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Win

logfile.php lista_lot.php

```
539 <?php ?>
540
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542 <p><span class="title">Adauga</span><br/>
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550 $result = mysql_query($query);
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HTML + PHP

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HTML + PHP + SQL

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$total=mysql_num_rows($result);
$row = mysql_fetch_assoc($result);
}
```


Activitate laborator 1

- Implementarea unui server de dezvoltare aplicatii web
 - Se pune la punct VMWare Player (versiunea curenta pentru sistemul de operare pe care il aveti la dispozitie)

Web Applications Design

Course: PAW (2020-2021)

Course Coordinator: Assoc.P. Dr. Radu-Florin Damian

Code: RC.IA.108

Discipline Type: DIMS; Required, Synthesis

Credits: 5

Enrollment Year: 5, Sem. 10

Laboratory

[Laborator 1/2016 \(valid 2020/2021\) \(pdf, 1.66 MB, ro, 🇷🇴\)](#)

[VMware Workstation Player \(link, 0 Bytes, en, 🇺🇸\)](#)

[Server Win2000 pentru VMWare Player - lab 1 \(cloud\) \(link, 0 Bytes, en, 🇺🇸\)](#)

[Server CentOS pentru VMWare Player \(cloud\) \(link, 0 Bytes, en, 🇺🇸\)](#)

Activitate laborator 1


- VMware Workstation Player
 - Gratuit (non-commercial)
 - <https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html>





Activitate laborator 1


- Implementarea unui server de dezvoltare aplicatii web
 - Se porneste de la un sistem de operare instalat
 - Win 2000

Laboratory

[Laborator 1/2016 \(valid 2020/2021\)](#) (pdf, 1.66 MB, ro, )

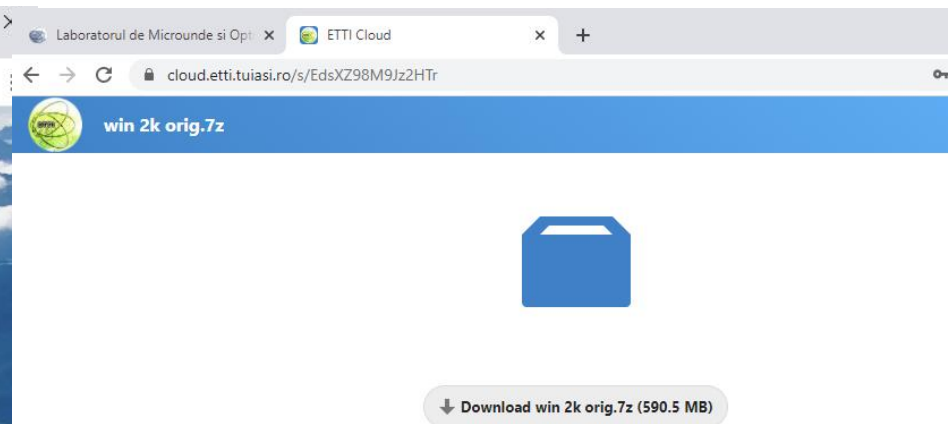
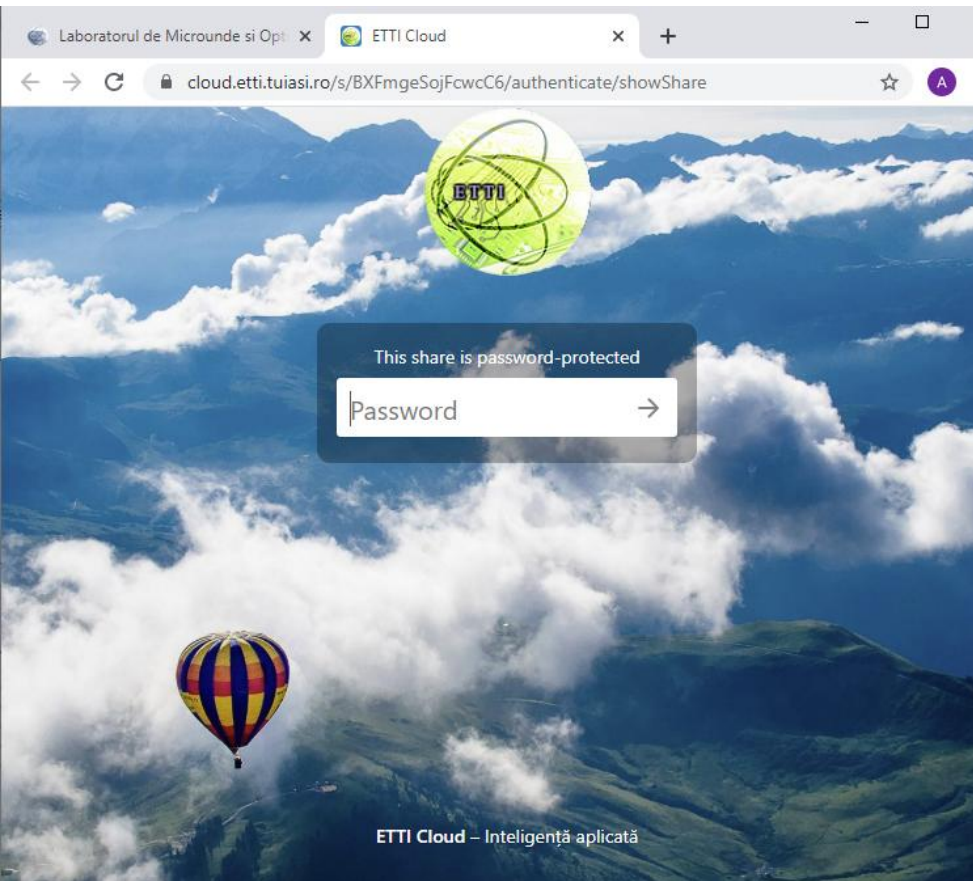
[VMware Workstation Player](#) (link, 0 Bytes, en, )

[Server Win2000 pentru VMWare Player - lab 1 \(cloud\)](#) (link, 0 Bytes, en, )

[Server CentOS pentru VMWare Player \(cloud\)](#) (link, 0 Bytes, en, )

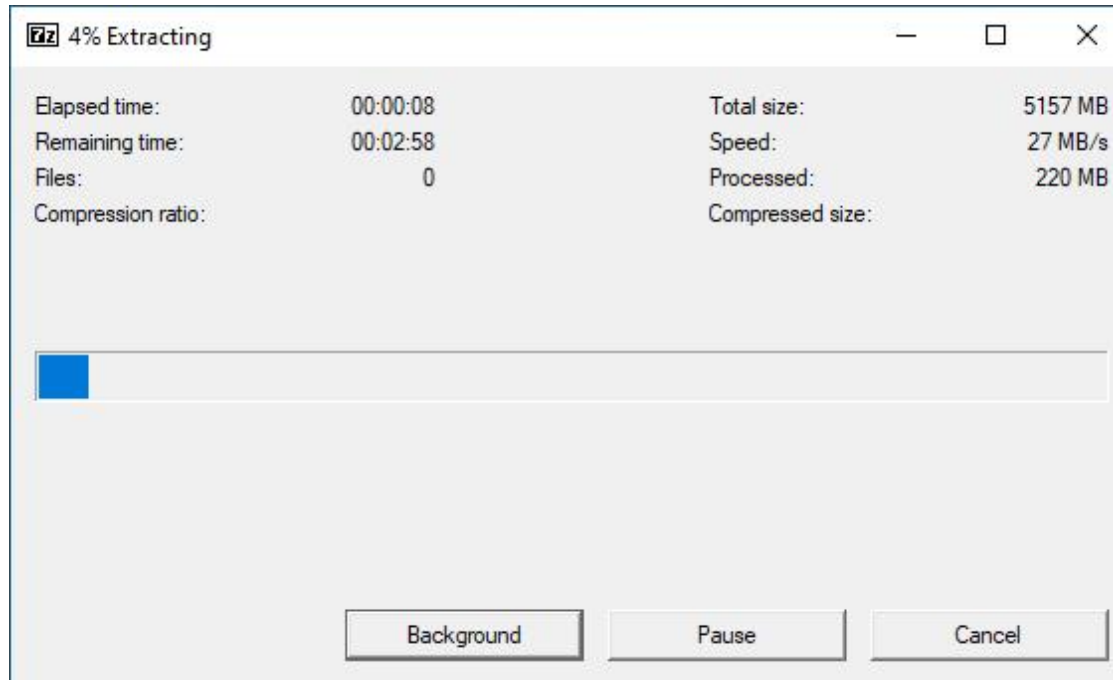
Server Win2k (lab1)

■ Cloud ETTI: RF-opto3#



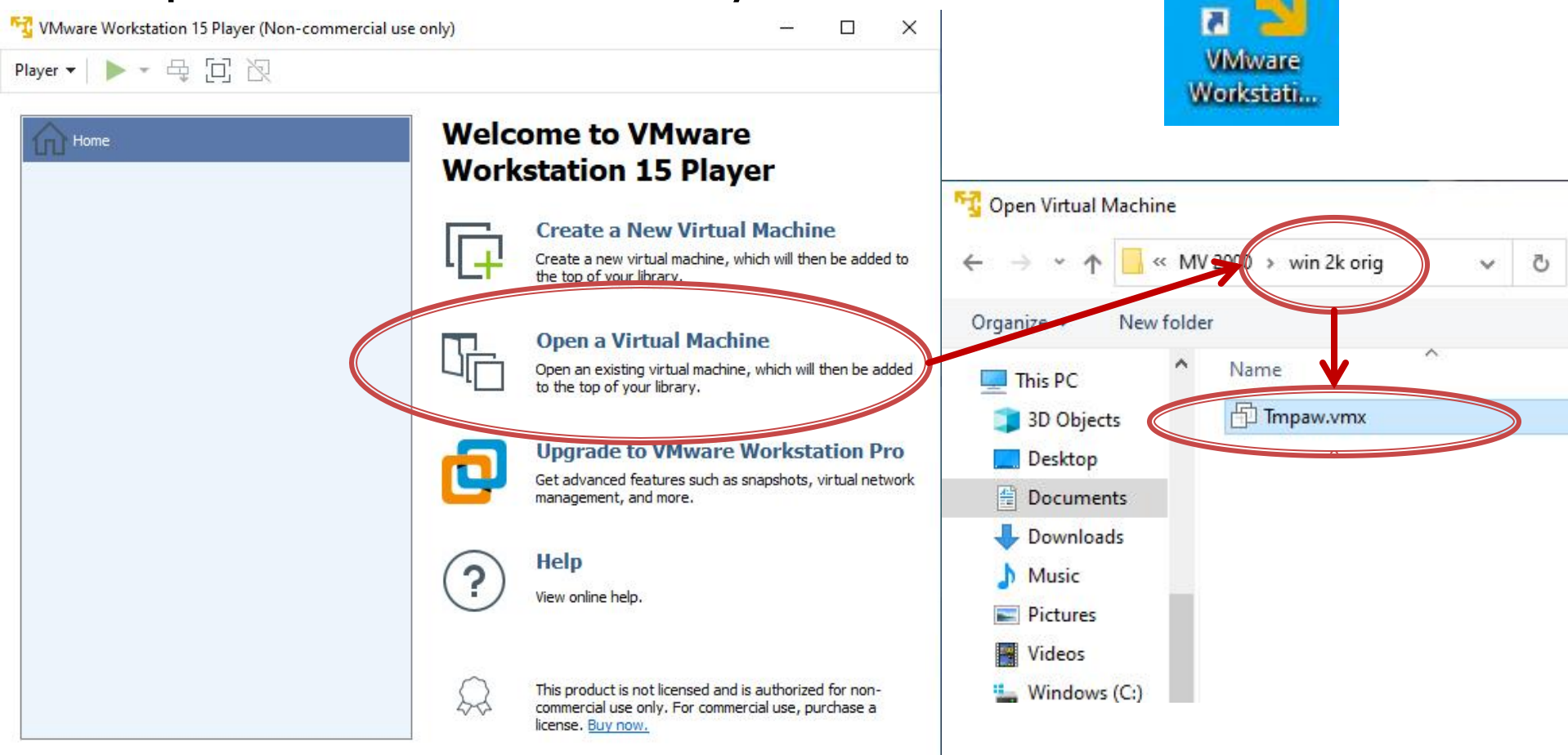
Activitate laborator 1

- Dezarhivare win 2k orig.7z



Activitate laborator 1

■ pornire VMware Player




The image displays the VMware Workstation 15 Player interface and a Windows File Explorer window. The VMware interface shows the 'Welcome to VMware Workstation 15 Player' screen with options to 'Create a New Virtual Machine', 'Open a Virtual Machine', and 'Upgrade to VMware Workstation Pro'. The 'Open a Virtual Machine' option is circled in red. A red arrow points from this option to the File Explorer window, which shows the path 'MV 2020 > win 2k orig' and a file named 'Timpaw.vmx' circled in red.


VMware Workstation 15 Player (Non-commercial use only)


Player ▾ ▶ □ ✕


Home


Welcome to VMware Workstation 15 Player

 **Create a New Virtual Machine**
Create a new virtual machine, which will then be added to the top of your library.

 **Open a Virtual Machine**
Open an existing virtual machine, which will then be added to the top of your library.

 **Upgrade to VMware Workstation Pro**
Get advanced features such as snapshots, virtual network management, and more.

 **Help**
View online help.

 This product is not licensed and is authorized for non-commercial use only. For commercial use, purchase a license. [Buy now.](#)

Open Virtual Machine

← → ▾ ▴ ▾ ▴ << MV 2020 > win 2k orig ▾ ↺

Organize ▾ New folder

This PC

3D Objects

Desktop

Documents

Downloads

Music

Pictures

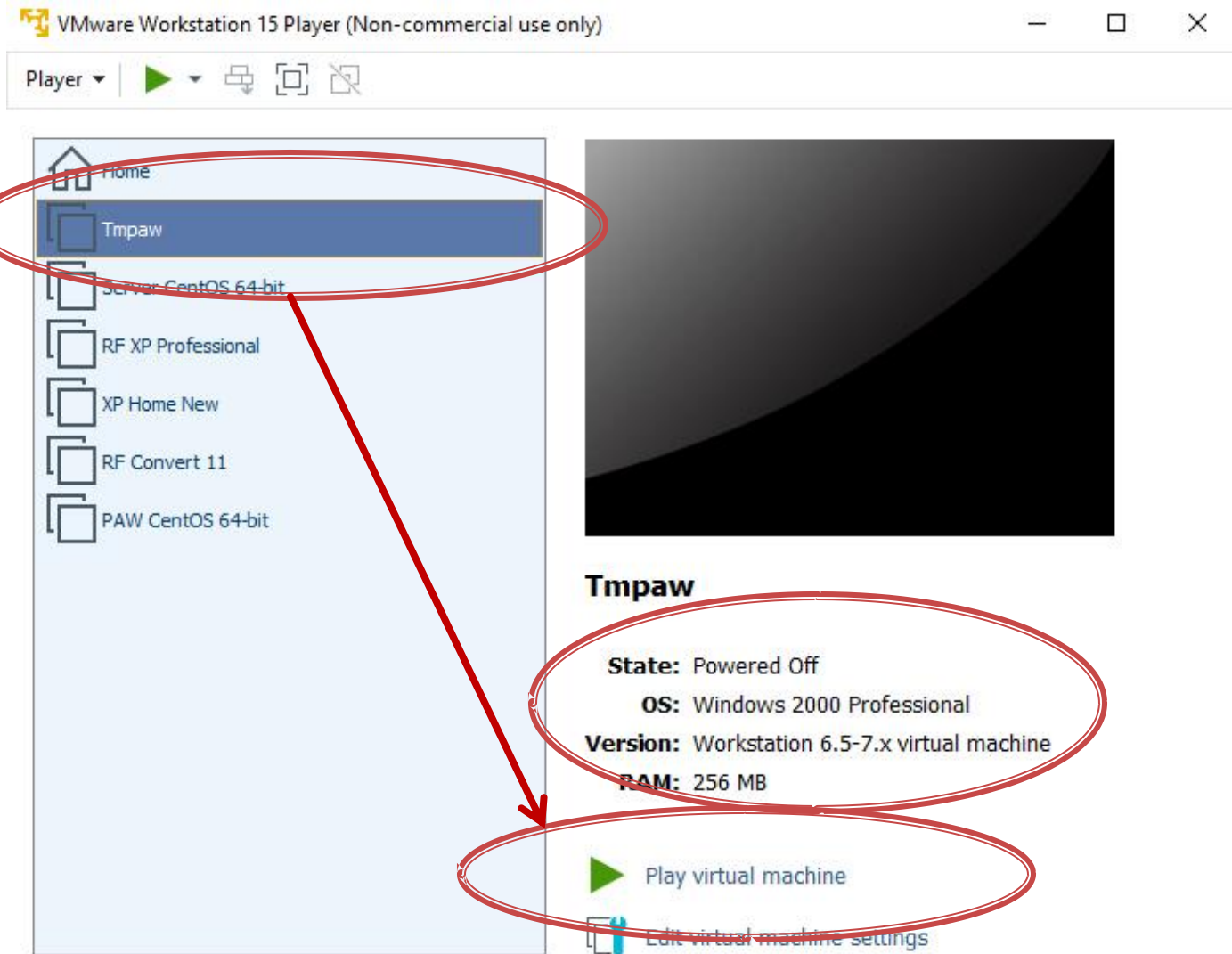
Videos

Windows (C:)

Name

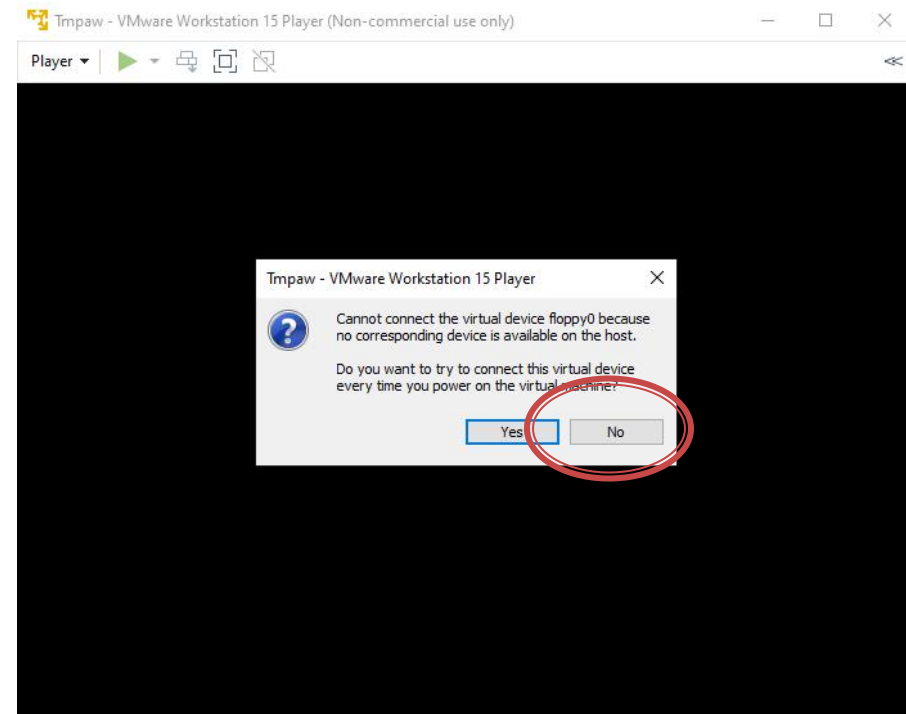
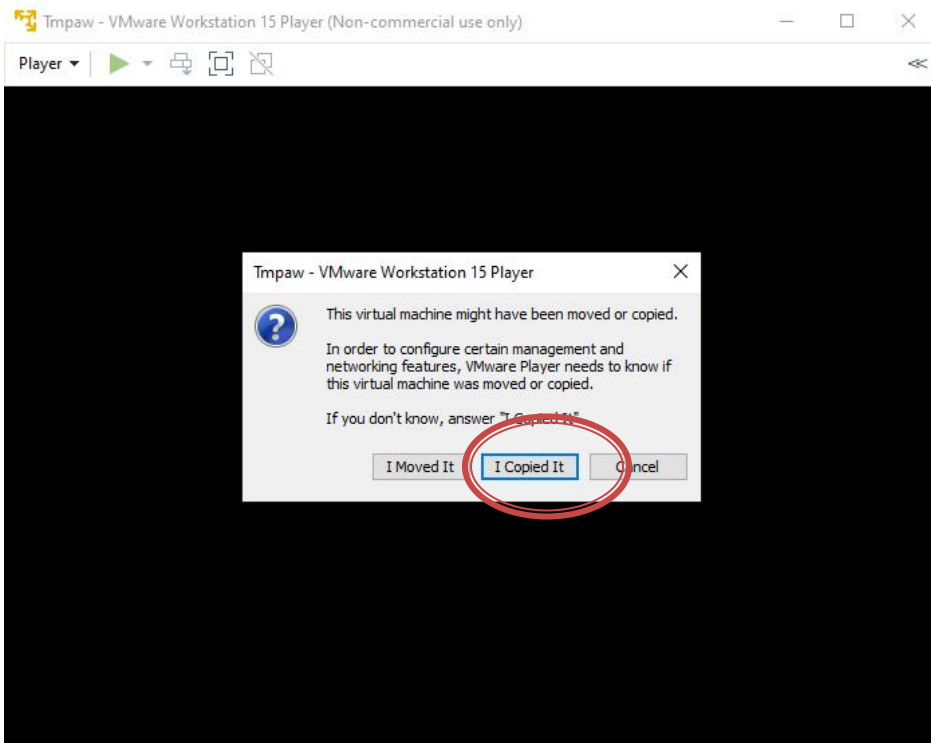
Timpaw.vmx

Activitate laborator 1



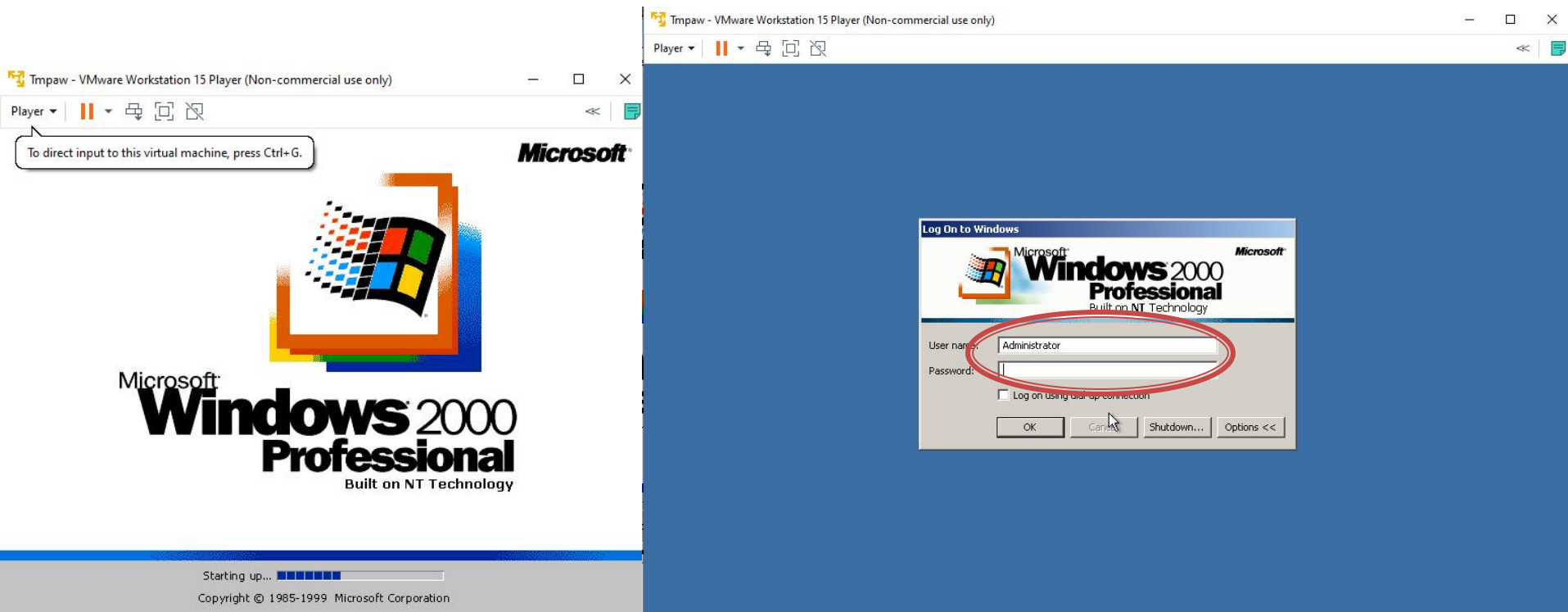
Activitate laborator 1

- Opțiunea "I copied it"
- Probabil "no floppy" 😊



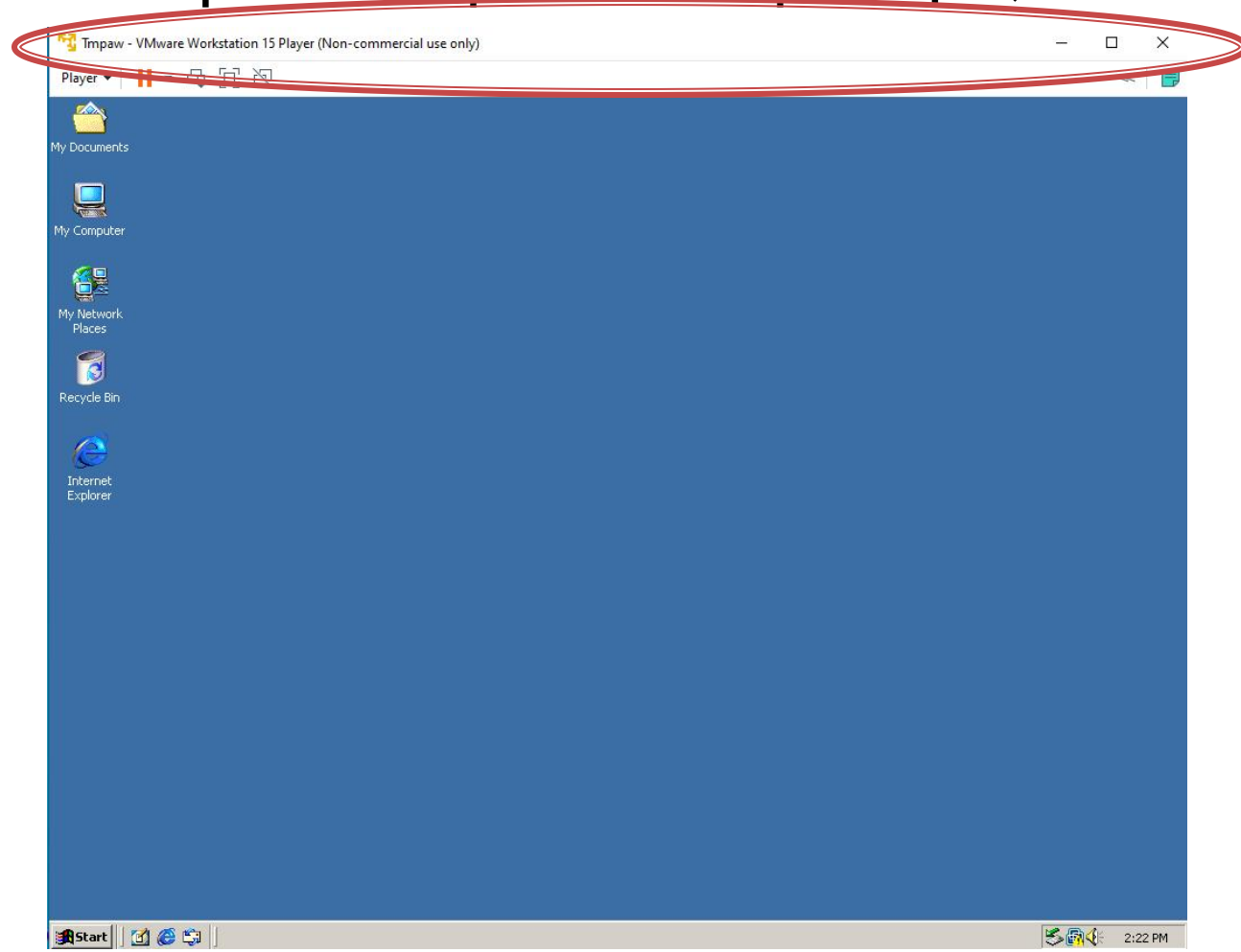
Activitate laborator 1

- Administrator: "masterrc"



Activitate laborator 1

- “Dublu click” pe bara pentru (aproape) full screen

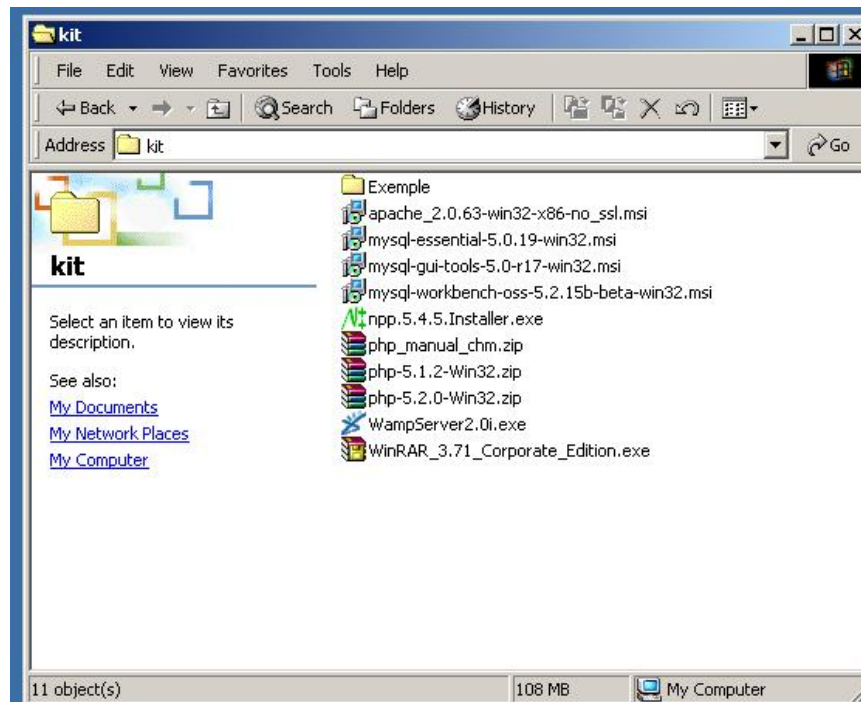


Activitate laborator 1

- Se urmeaza pasii din referatul de laborator pentru a crea un sistem WAMP
 - Apache ca server web,
 - MySql, ca server de baze de date
 - PHP, ca limbaj de procesare la nivelul server-ului
- Se urmareste nu atat instalarea aplicatiilor ci mai ales crearea **legaturilor dintre ele**

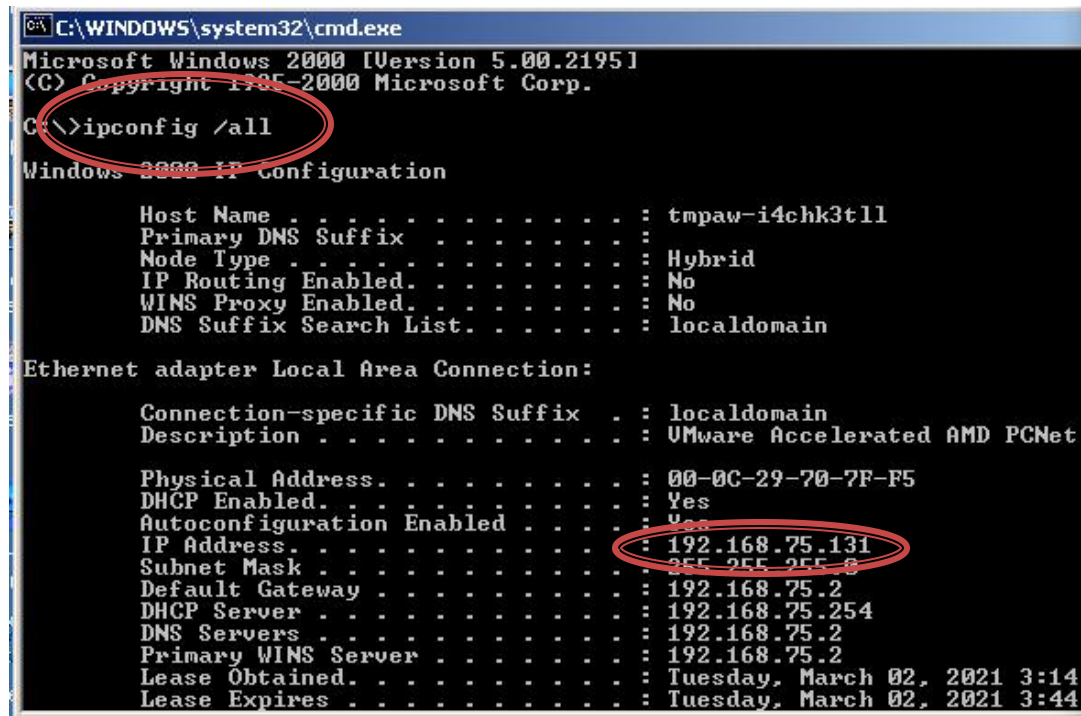
Activitate laborator 1

- Toate fișierele necesare (versiuni mai vechi compatibile cu Win2k) se găsesc în directorul C:\kit de pe mașina Guest



Activitate laborator 1

- aflarea adresei IP a server-ului in retea locala pentru acces din "exterior"
 - ipconfig /all



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.00.2195]
(C) Copyright 1995-2000 Microsoft Corp.

C:\>ipconfig /all

Windows 2000 IP Configuration

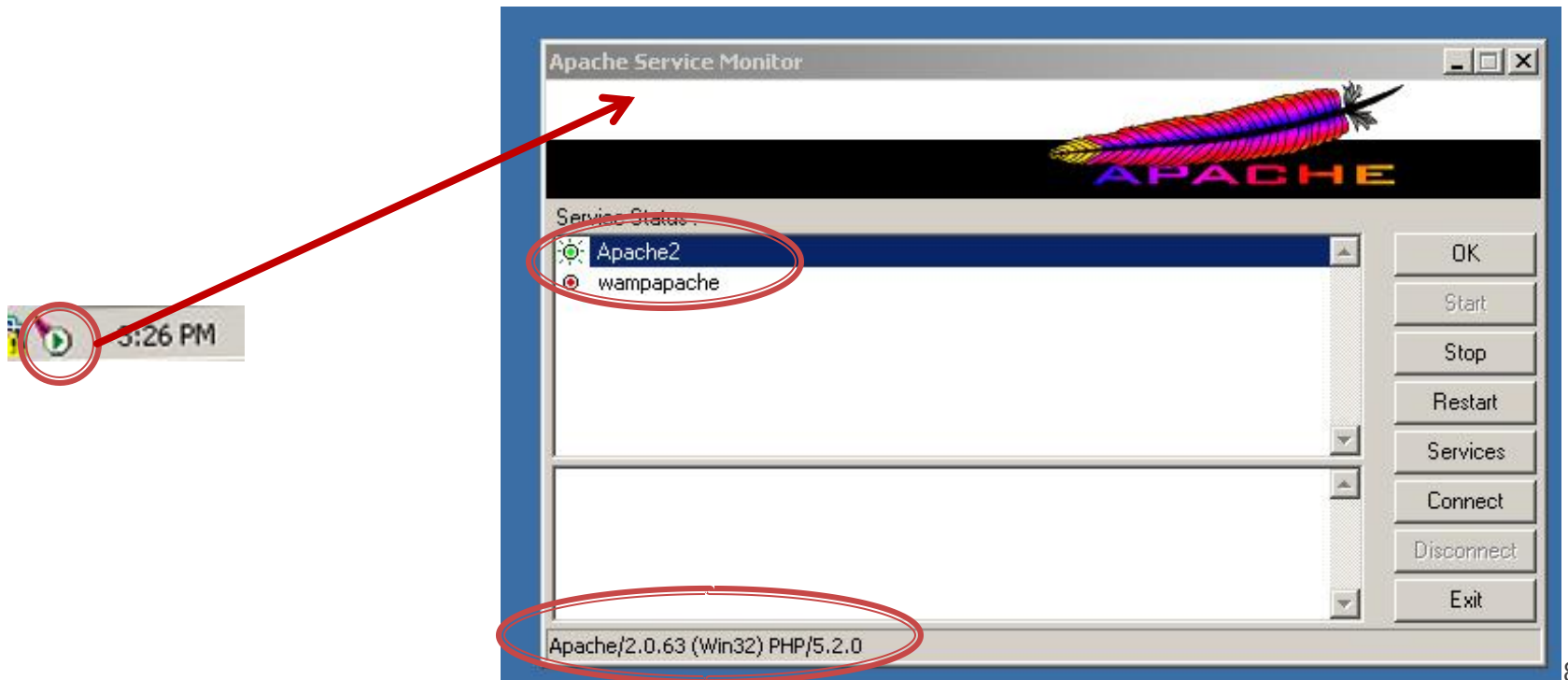
    Host Name . . . . . : tmpaw-i4chk3t11
    Primary DNS Suffix . . . . . :
    Node Type . . . . . : Hybrid
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No
    DNS Suffix Search List. . . . . : localdomain

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . : localdomain
    Description . . . . . : VMware Accelerated AMD PCNet
    Physical Address. . . . . : 00-0C-29-70-7F-F5
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    IP Address. . . . . : 192.168.75.131
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.75.2
    DHCP Server . . . . . : 192.168.75.254
    DNS Servers . . . . . : 192.168.75.2
    Primary WINS Server . . . . . : 192.168.75.2
    Lease Obtained. . . . . : Tuesday, March 02, 2021 3:14
    Lease Expires . . . . . : Tuesday, March 02, 2021 3:44
```

Activitate laborator 1


- Succesul operatiunilor realizate se poate observa:
 - Apache Service Monitor



Activitate laborator 1

- Succesul operatiunilor realizate se poate observa:
 - index.php cu php_info()

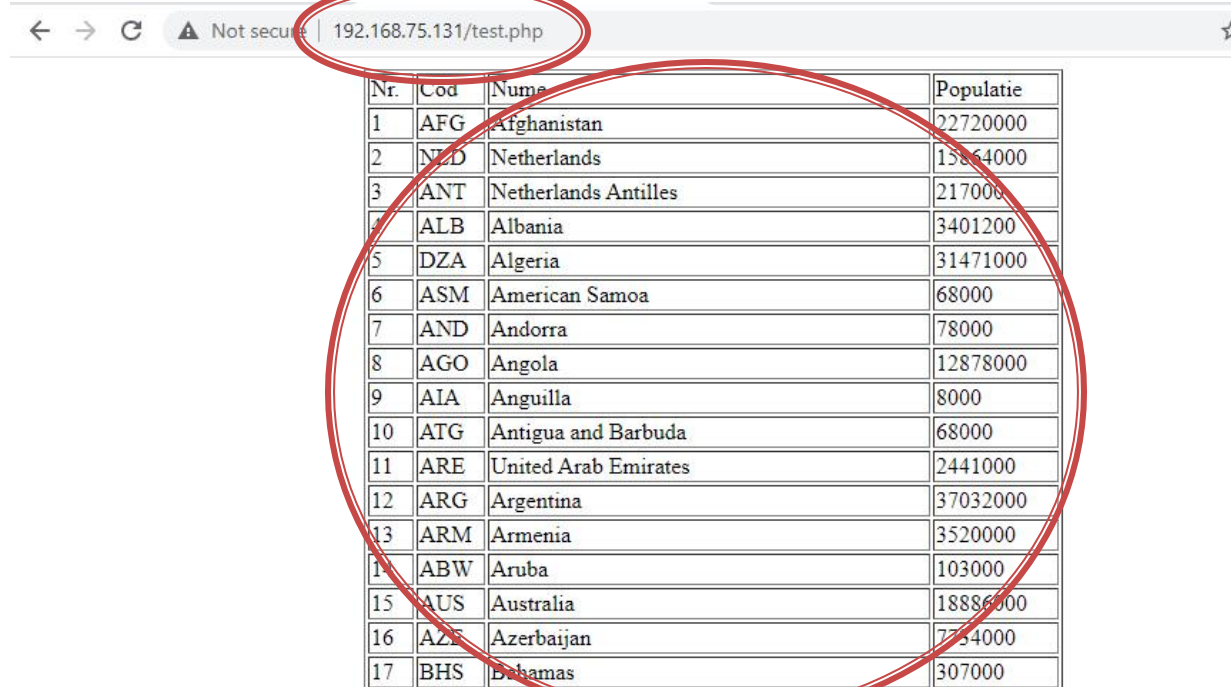
← → ↻ ⚠ Not secure | 192.168.75.131 ☆

PHP Version 5.2.0 

System	Windows NT TMPAW-I4CHK3TLL 5.0 build 2195
Build Date	Nov 2 2006 11:50:55
Configure Command	cscript /nologo configure.js "--enable-snapshot-build" "--with-gd=shared"
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	C:\PHP\php.ini
PHP API	20041225
PHP Extension	20060613
Zend Extension	220060519
Debug Build	no
Thread Safety	enabled
Zend Memory Manager	enabled
IPv6 Support	enabled

Activitate laborator 1

- Succesul operatiunilor realizate se poate observa:
 - test.php cu BD world

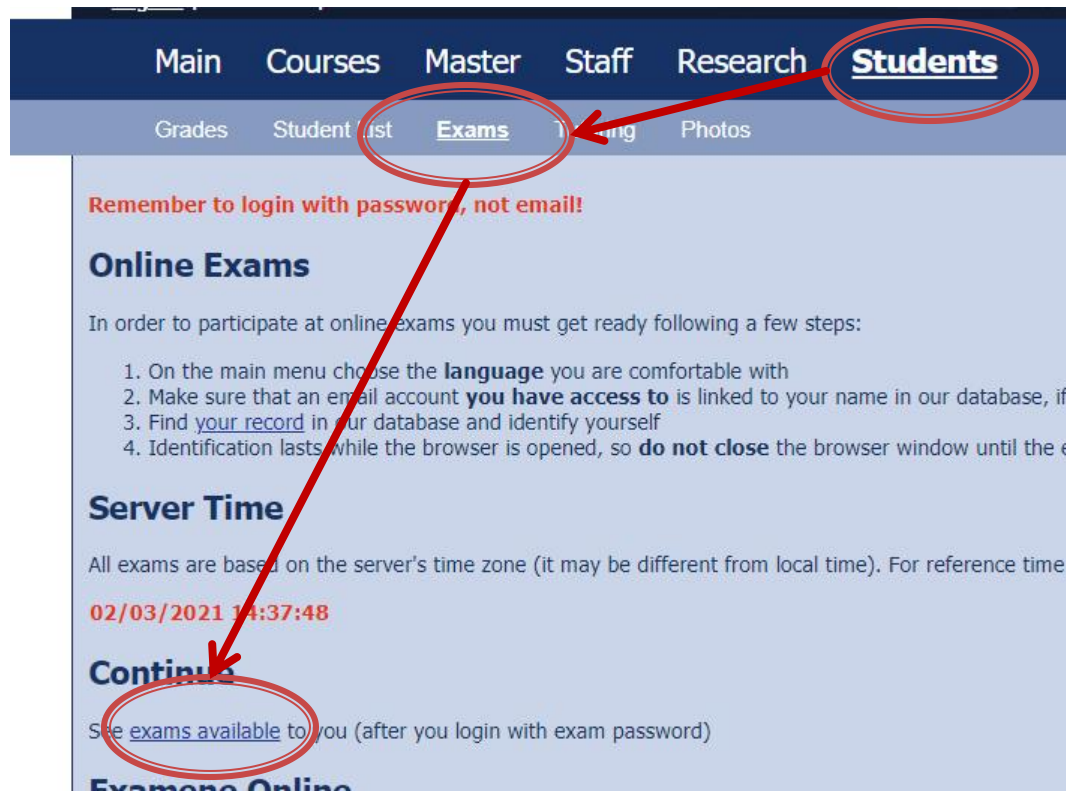


← → ↻ ⚠ Not secure | 192.168.75.131/test.php ☆

Nr.	Cod	Nume	Populatie
1	AFG	Afghanistan	22720000
2	NLD	Netherlands	15864000
3	ANT	Netherlands Antilles	217000
4	ALB	Albania	3401200
5	DZA	Algeria	31471000
6	ASM	American Samoa	68000
7	AND	Andorra	78000
8	AGO	Angola	12878000
9	AIA	Anguilla	8000
10	ATG	Antigua and Barbuda	68000
11	ARE	United Arab Emirates	2441000
12	ARG	Argentina	37032000
13	ARM	Armenia	3520000
14	ABW	Aruba	103000
15	AUS	Australia	18886000
16	AZE	Azerbaijan	7734000
17	BHS	Bahamas	307000

Activitate laborator 1

- Prezenta si nota pentru activitatea de laborator se obtine **numai** prin completarea activitatii de examen online



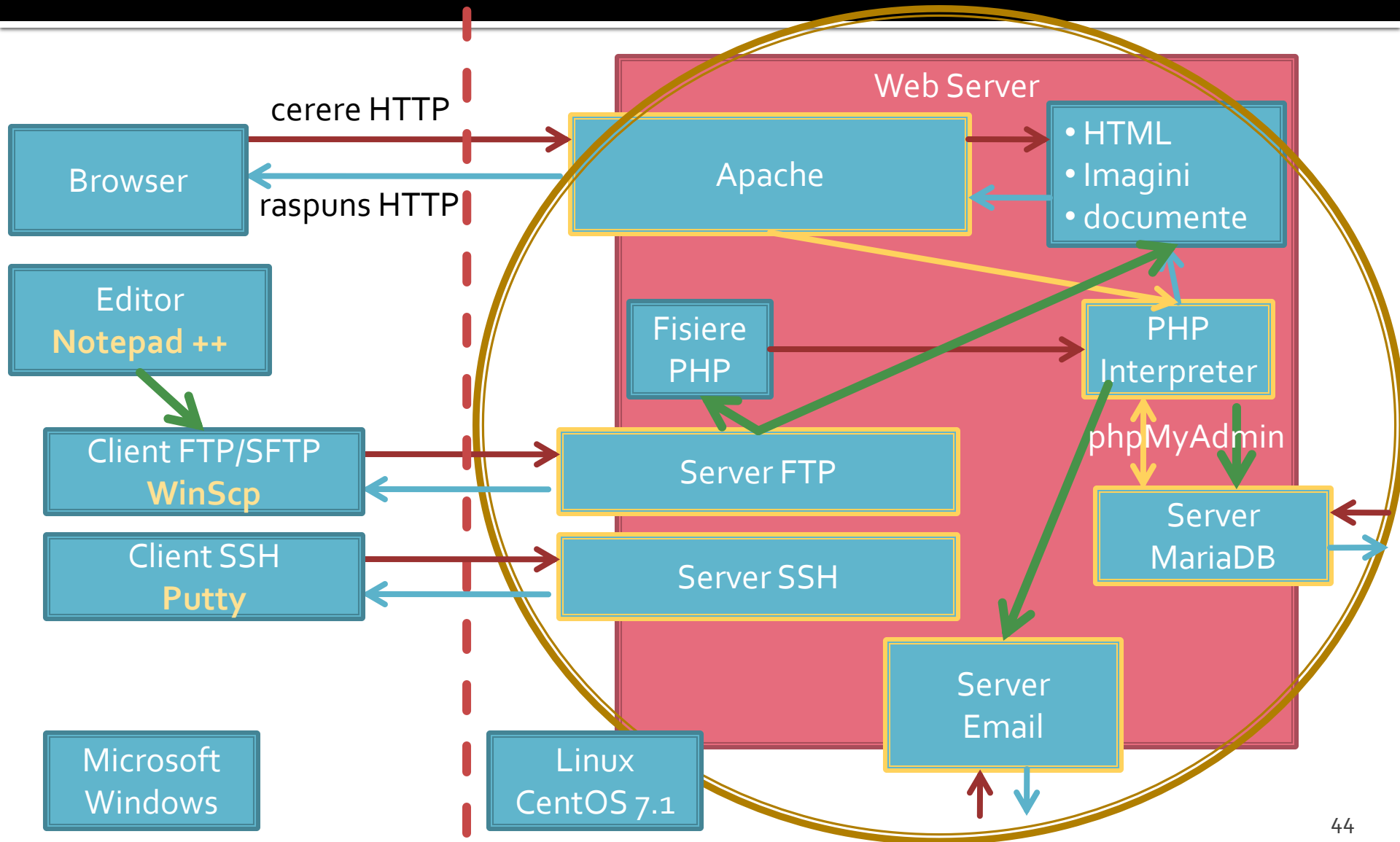
Activitate laborator 1

- Prezenta si nota pentru activitatea de laborator se obtine **numai** prin completarea activitatii de examen online
 - perioada extinsa (1 saptamana)
 - necesar:
 - selfie
 - printscreen-uri cu functionarea MV

Continuare laborator/proiect

- server LAMP (L - Linux)
- pre instalat/configurat
- pasii de instalare pe rf-opto

Utilizare LAMP



Utilizare LAMP

- diferente principale fata de server-ul Windows
 - comenzile in sistem greoaie
 - linie de comanda, SSH, Putty
 - fisierele sunt trimise prin FTP
 - Copy/Paste indisponibil
 - administrarea serverului MySql:
 - prin phpMyAdmin (instalat)
 - prin (eventuale) instrumente instalate pe masina host (MySQL Workbench)

Utilizare LAMP – Avantaje

- Avantaje principale fata de server-ul Windows
 - Aplicatiile au versiuni actualizate (**2022**)
 - CentOS/7.1, Apache/2.4.6, PHP/5.4.16, MariaDB/5.5.44, PhpMyAdmin/4.4.15 ~
 - **Ubuntu**/20.04, Apache/ 2.4.41, PHP/ 7.4.3, MariaDB/ 10.3.31, PhpMyAdmin/4.9.5
 - Aplicatii disponibile similare celor intalnite in practica
 - SSH
 - FTP
 - Email ~
 - pentru utilizarea deplina a acestor aplicatii este utila trecerea interfetei de retea a masinii virtuale **Host-only** -> **Bridged**

Server referinta

- rf-opto.etti.tuiasi.ro > Master > Web Design

Project/Design

~~[Teme proiect 2020 \(pdf, 874.95 KB, ro, 🇷🇴\)](#)~~

[Sevrer CentOS pentru VMWare Player \(cloud\)](#) (link, 0 Bytes, ro, 🇷🇴)

~~[Realizare Server CentOS \(pdf, 1.4 MB, en, 🇸🇪\)](#)~~

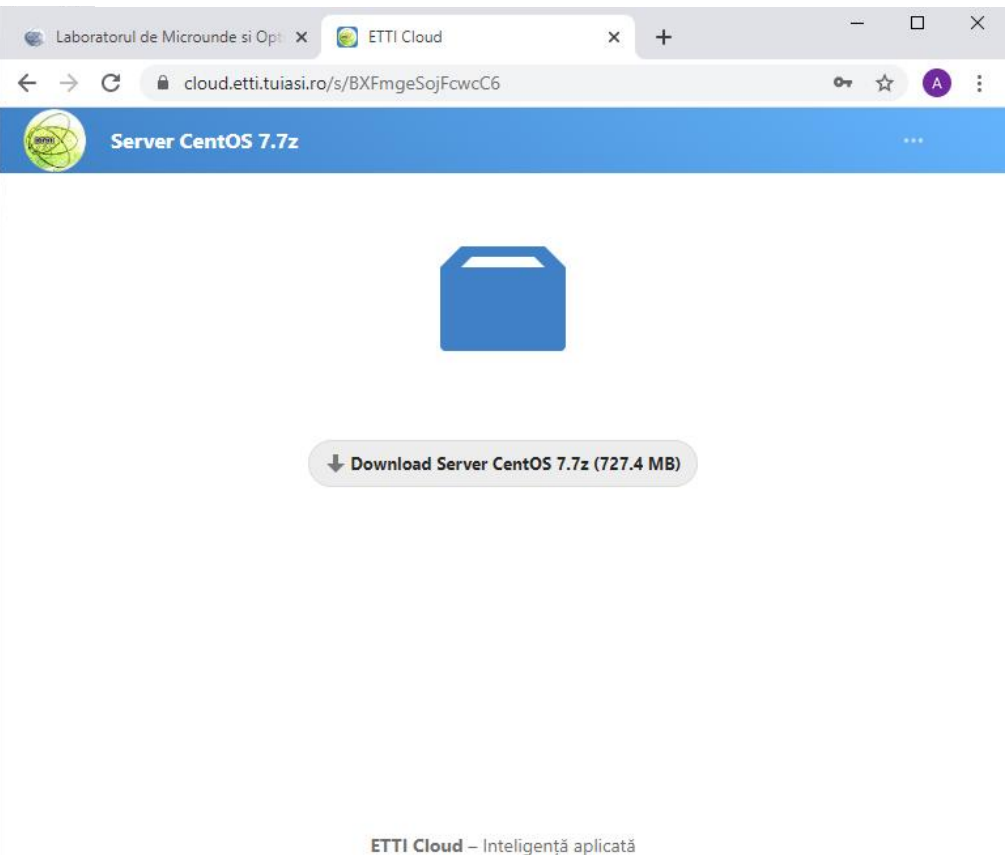
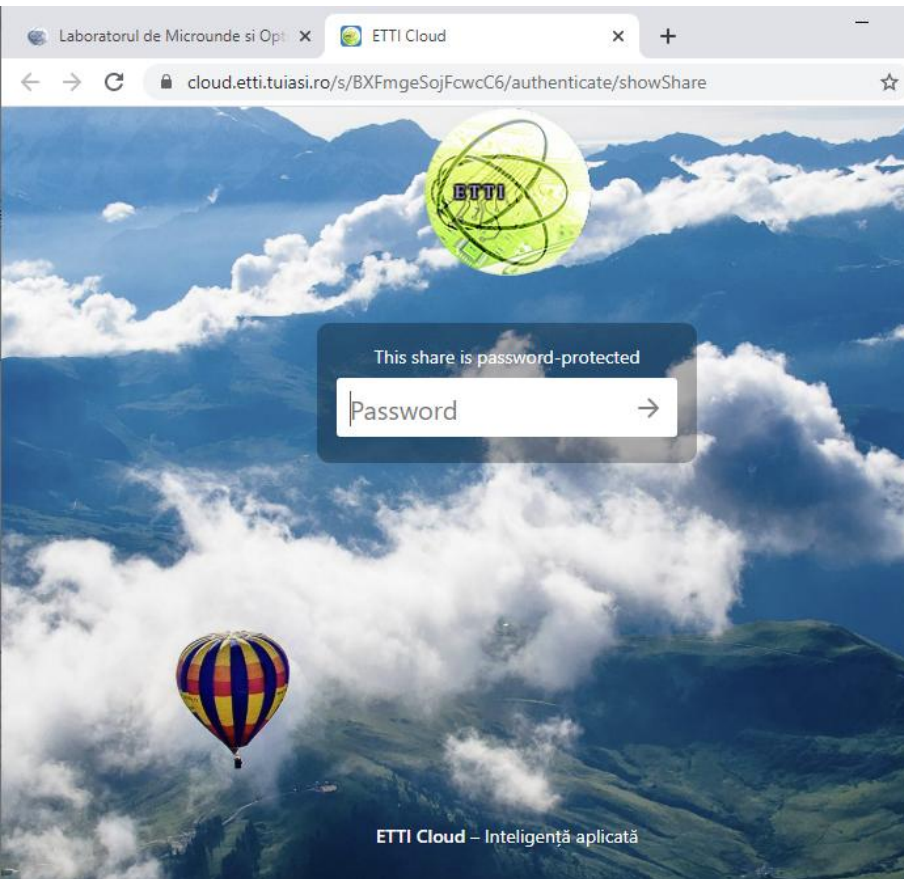
Examen

[Simulare Examen \(video\)](#) (mp4, 65.12 MB, ro, 🇷🇴)

[Manual examen on-line](#) (pdf, 2.65 MB, ro, 🇷🇴)

Server referinta

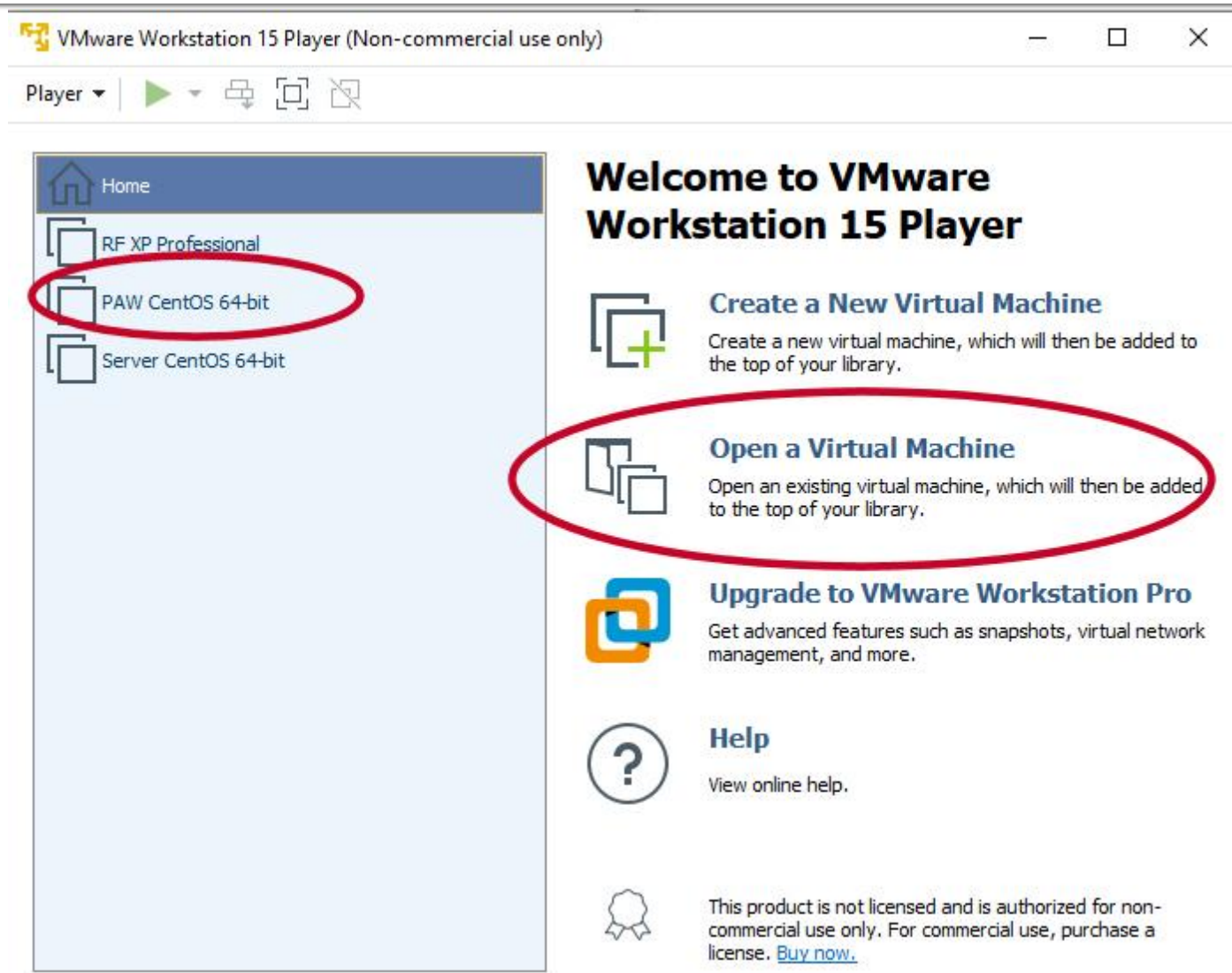
■ Cloud ETTI: RF-opto3#



Server referinta

- Masina virtuala
- VMware Workstation Player
 - Gratuit (non-comercial)
 - <https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html>

Server referinta



Aplicatii suport

- WinSCP (client FTP, gratuit)
 - <https://winscp.net/eng/download.php>
- Notepad ++ (editor, avansat, gratuit)
 - <https://notepad-plus-plus.org/downloads/>
- Putty (remote access)
 - <https://www.putty.org/>
- MySQL Workbench (gratuit, cont Oracle)
 - <https://www.mysql.com/products/workbench/>

Adresa IP

- login, ifconfig
- Ctrl + Alt + mouse

PAW CentOS 64-bit - VMware Workstation 15 Player (Non-commercial use only)

Player ▾ || ▾ ⏏ ⏏ ⏏

```
CentOS Linux 7 (Core)
Kernel 3.10.0-229.20.1.el7.x86_64 on an x86_64

tmpaw login: root
Password:
Last login: Wed Jun 17 05:35:16 from 192.168.0.106
[root@tmpaw ~]# ifconfig
```

PAW CentOS 64-bit - VMware Workstation 15 Player (Non-commercial use only)

Player ▾ || ▾ ⏏ ⏏ ⏏

```
CentOS Linux 7 (Core)
Kernel 3.10.0-229.20.1.el7.x86_64 on an x86_64

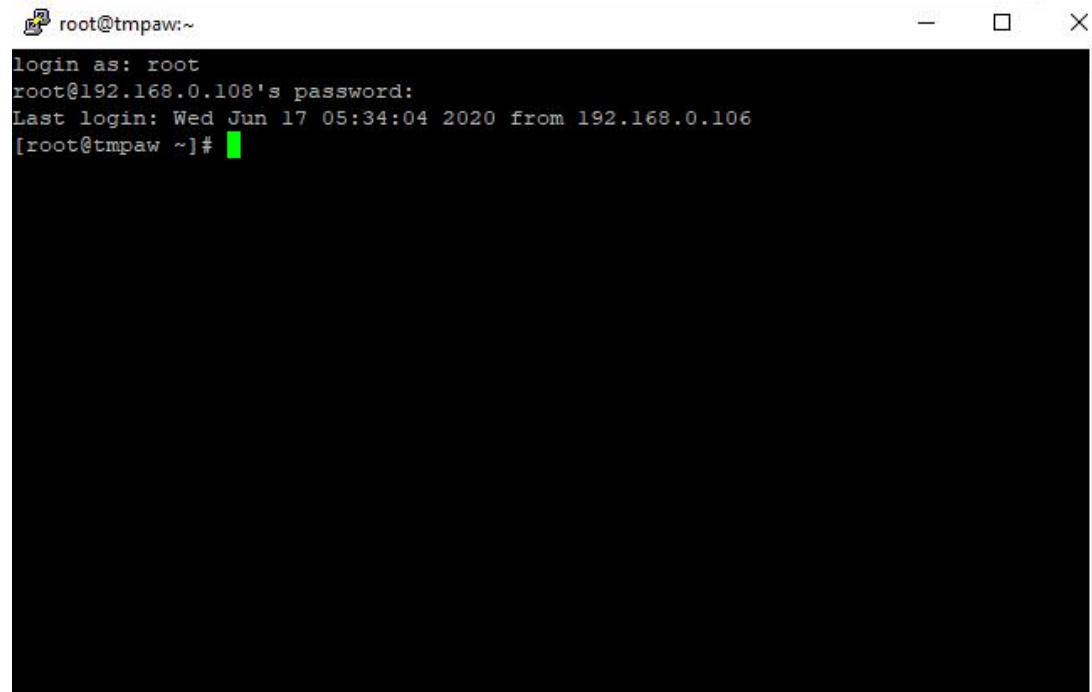
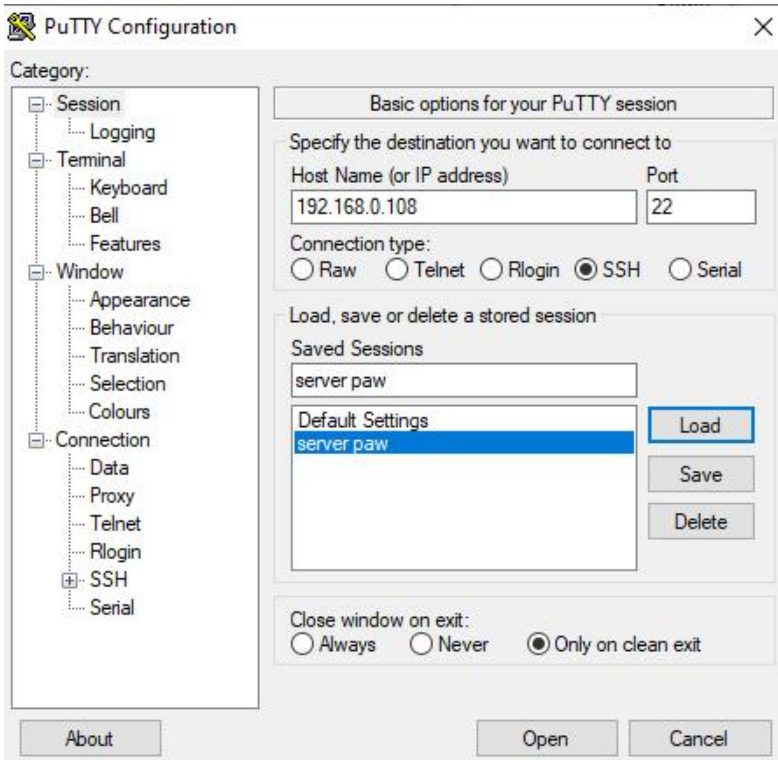
tmpaw login: root
Password:
Last login: Wed Jun 17 05:35:16 from 192.168.0.106
[root@tmpaw ~]# ifconfig
eno16777736: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.0.108 netmask 255.255.255.0 broadcast 192.168.0.255
    inet6 fe80::250:56ff:fe3e:1693 prefixlen 64 scopeid 0x20<link>
    ether 08:00:56:3e:16:93 txqueuelen 1000 (Ethernet)
    RX packets 104 bytes 12814 (12.5 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 99 bytes 11847 (11.5 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 0 (Local Loopback)
    RX packets 16 bytes 1774 (1.7 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 16 bytes 1774 (1.7 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[root@tmpaw ~]# _
```

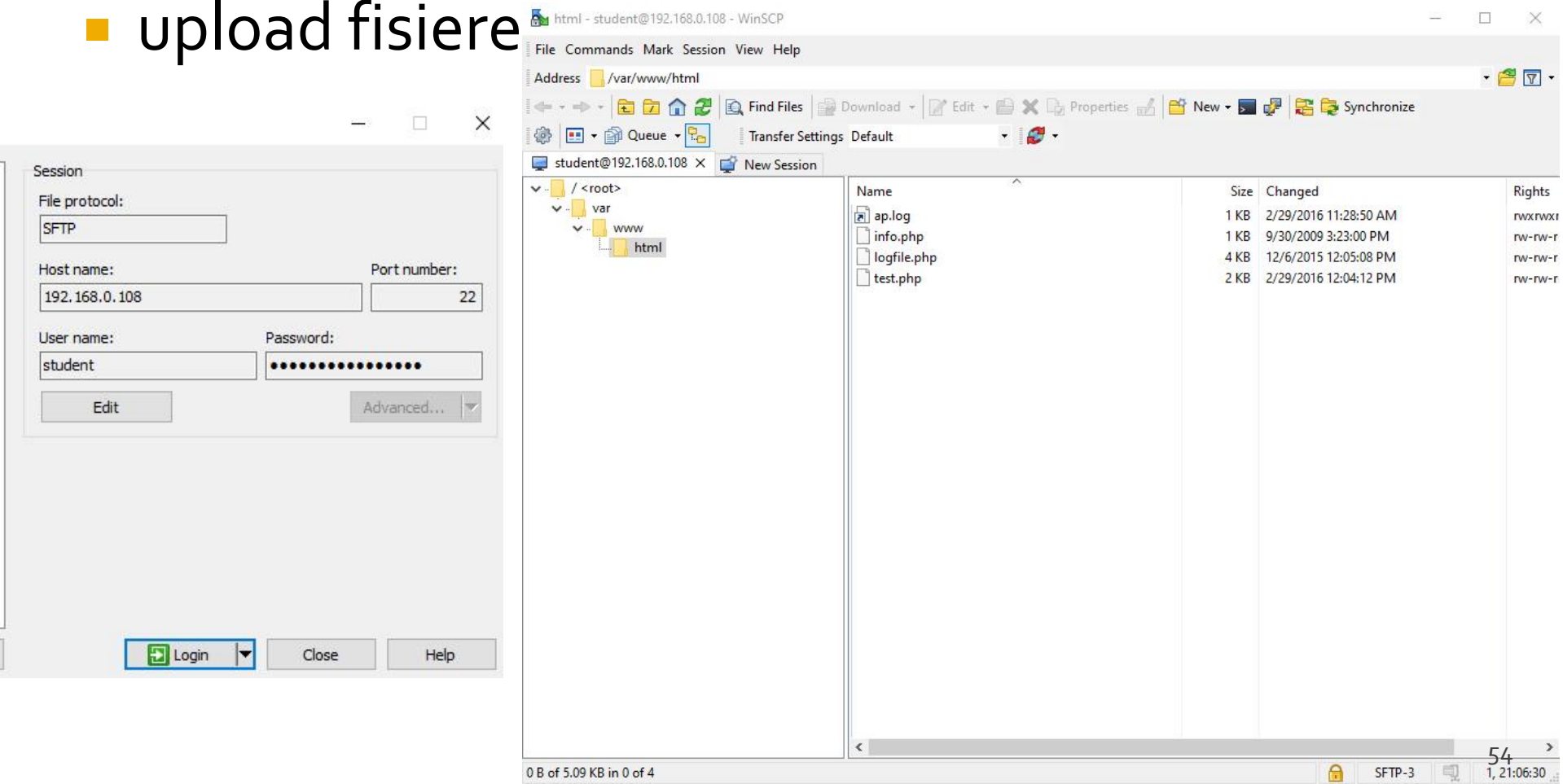
Putty

- putty.exe
- evitare captura mouse, copy/paste etc.

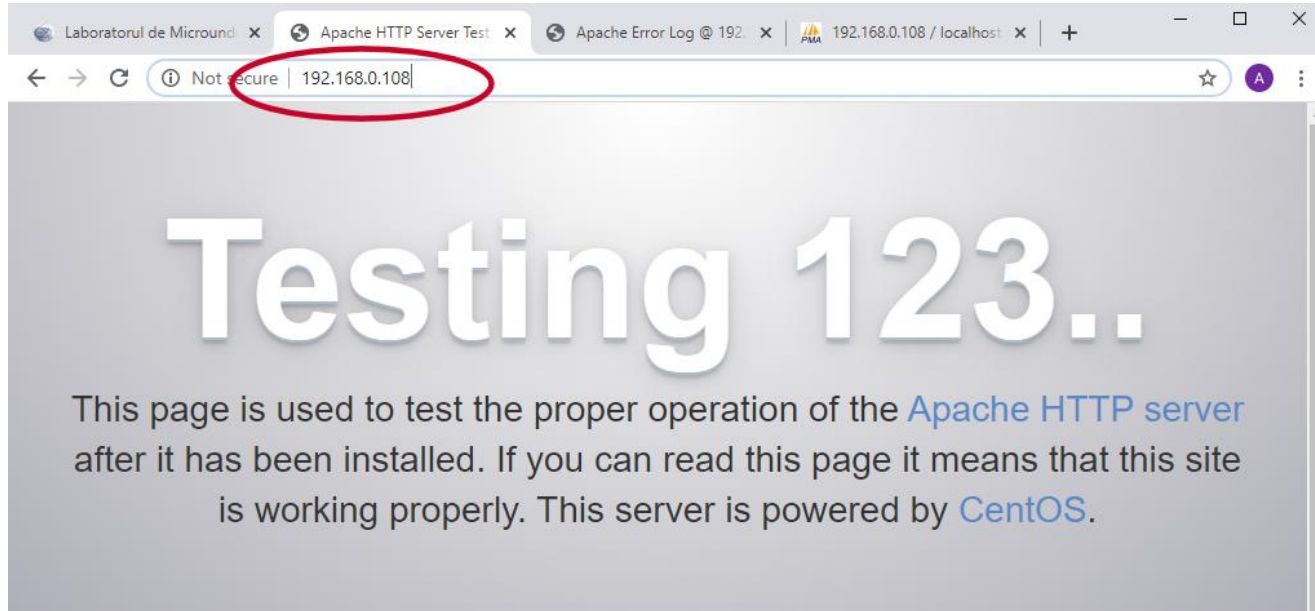


WinSCP

- client FTP
- upload fisiere



Browser



Just visiting?

The website you just visited is either experiencing problems or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting `www.example.com`, you should send e-mail to `"webmaster@example.com"`.

Are you the Administrator?

You should add your website content to the directory `/var/www/html/`.

To prevent this page from ever being used, follow the instructions in the file `/etc/httpd/conf.d/welcome.conf`.

Promoting Apache and CentOS

You are free to use the images below on Apache and CentOS Linux powered HTTP servers. Thanks for using Apache and CentOS!



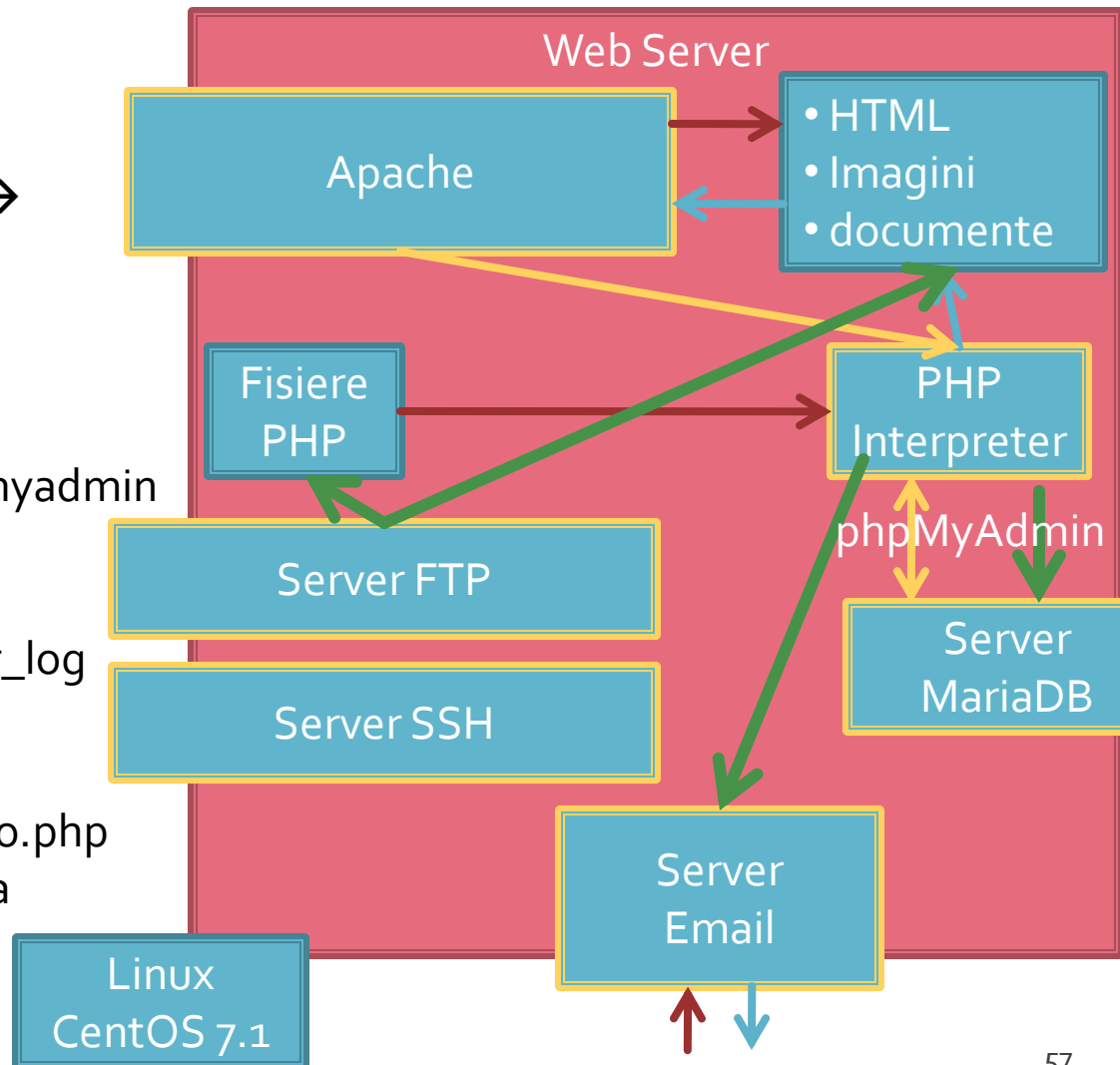
Server MySQL/MariaDB

The screenshot shows the phpMyAdmin web interface. The browser's address bar highlights the URL `192.168.0.108/phpmyadmin/...PMAURL-5:index.php?db=&table=&server=1&target=&token=f7dda12d42a1...`. The interface is divided into several sections:

- Left Sidebar:** Contains a tree view of databases: `New`, `information_schema`, `mysql`, `performance_schema`, `tmpaw`, and `world`.
- Top Navigation Bar:** Includes tabs for `Databases`, `SQL`, `Status`, `Users`, `Export`, `Import`, `Settings`, and `More`.
- General Settings Panel:**
 - `Change password` button.
 - `Server connection collation` dropdown set to `utf8mb4_unicode_ci`.
- Appearance Settings Panel:**
 - `Language` dropdown set to `English`.
 - `Theme` dropdown set to `pmahomme`.
 - `Font size` dropdown set to `82%`.
 - `More settings` link.
- Database server Panel:**
 - Server: Localhost via UNIX socket
 - Server type: MariaDB
 - Server version: 5.5.44-MariaDB - MariaDB Server
 - Protocol version: 10
 - User: root@localhost
 - Server charset: UTF-8 Unicode (utf8)
- Web server Panel:**
 - Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips mod_fcgid/2.3.9 PHP/5.4.16 mod_python/3.5.0- Python/2.7.5
 - Database client version: libmysql - 5.5.44-MariaDB
 - PHP extension: mysql
 - PHP version: 5.4.16
- phpMyAdmin Panel:**
 - Version information: 4.4.15.1
 - Documentation
 - Wiki
 - Official Homepage
 - Contribute
 - Get support
 - List of changes

Utilizare LAMP

1. login → root:masterrc
2. ifconfig → 192.168.30.5
3. putty.exe → 192.168.30.5 → SSH → root:masterrc (remote login)
4. [alte comenzi linux dorite]
5. FTP → Winscp → SFTP → student:masterrc@192.168.30.5
6. MySql → http://192.168.30.5/phpmyadmin → root:masterrc
7. Apache Error Log →
 - 7a. putty → nano /var/log/httpd/error_log
 - 7b. http://192.168.30.5/logfile.php (nonstandard)
8. PHP info → http://192.168.30.5/info.php
9. daca serviciul DHCP duce la oprirea Apache: service httpd restart



Server referinta LAMP

- Linux, doua variante
 - Centos 7.1
 - PHP 5.4.16
 - MariaDB 5.5.44
 - Apache 2.4.6
 - **root**/student:masterrc
 - Ubuntu 20.04
 - PHP 7.4.3
 - MariaDB 10.3.31
 - Apache 2.4.41
 - **paw**/student:masteretti
 - necesar suplimentar pentru **acces FTP paw**:
 - sudo usermod -a -G upload paw
 - sudo chmod -R 775 /var/www

Tema bonus

- logfile.php
 - Afiseaza log Apache (erori php majore)
- **2p suplimentar** la laborator/examen
- Modificare logfile.php pentru a afisa **toate** erorile PHP
 - php.ini – activare erori
 - php.ini – locatie erori
 - logfile.php – afisare log PHP

~Tema bonus Win2000

- se verifica in php.ini ca erorile sunt activate
 - `error_reporting = E_ALL` (linia 349)
- se activeaza in php scrierea erorilor in fisier
 - `error_log = "C:\PHP\php.log"` (linia 412)
- se recupereaza logfile.php din sever-ul CentOS sau Ubuntu
- se schimba locatia log-ului Apache
 - `$log_file= 'C:\Program Files\Apache Group\Apache2\logs\error.log';`
(linia 53)
- se adauga dupa exemplul Apache afisarea log-ului PHP
 - `$log_file_php= 'C:\PHP\php.log';`
 - ... + utilizarea aceluui fisier (probabil **mai tarziu** in semestru)
- **Indeplinirea temei bonus** pe unul din server-ele de referinta necesita investigari mai detaliate legate de locatii/drepturi de acces pe sistemele Linux!!!

Contact

- Laboratorul de microunde si optoelectronica
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- rdamian@etti.tuiasi.ro