

UNIVERSIDADE TECNOLÓGICA FEDERAL DO PARANÁ

MATHEUS POPOLIN - RA 2131986

ATIVIDADE AVALIATIVA 03 - FUNDAMENTOS EM SERVIDORES WEB

GUARAPUAVA

ATIVIDADE AVALIATIVA 03
FUNDAMENTOS EM SERVIDORES WEB
2º. Semestre de 2025

Enunciado: A Atividade Avaliativa 03 envolve a configuração de um domínio no NGINX para que ele possa servir sua página principal, responder a página não encontrada e página de manutenção, páginas dinâmicas e HTTP/2.

Instruções:

- Realizar a Atividade Avaliativa PRESENCIALMENTE em 25/11/2025 no laboratório B06 no computador da Universidade. Se a atividade não for finalizada na data, pode ser finalizada posteriormente.
- Durante a execução da atividade tirar *print* de todos os comandos relacionados e colar neste arquivo:
 - Colar TODOS os *prints* de execução dos comandos, saídas no browser, conforme for realizando a atividade, sem recortes.
- O domínio será configurado da forma *sitedoaluno.utfpr.com.br* ou *sitedaaluna.utfpr.com.br* em que o aluno ou a aluna deve ser substituído pelo seu nome. O número do computador deverá ser anotado no início do relatório.
 - Pede-se a **configuração desse domínio com página não encontrada e de manutenção** funcionando, além de configuração de **logs** individuais, **HTTP/2** e configuração do NGINX para servir **páginas dinâmicas**.
- Os slides da disciplina podem ser utilizado para as configurações e o certificado gerado nas aulas pode ser reutilizado.
- Ao final da atividade carregar no Moodle (2,0 pontos a menos se não entregue, dependendo da clareza do relatório):
 - Este relatório em pdf.
 - O arquivo de logs de acesso: *nginx_access.log*.
 - O arquivo de logs de erros: *nginx_erro.log*.
 - O arquivo com o histórico dos comandos executados.
 - O bloco de configuração do servidor.
- Entregar o relatório da atividade e apresentar para a professora em 25/11/2025 ou 27/11/2025. A apresentação vale 30% da nota da atividade prática. O restante será a nota do relatório.
- A rúbrica para correção da atividade encontra-se disponível no Moodle e pode ser utilizada para a realização da atividade ou conferência de tudo o que foi realizado.

Observação: Os prints das telas devem estar presentes no relatório da avaliação. Se os prints das telas, o arquivo de hosts e os logs não forem apresentados, a atividade ficará somente como um registro, sem computação de nota. Os prints de tela NÃO

devem ser recortados, ou seja, devem aparecer por inteiro. Entregar os arquivos solicitados junto a avaliação.

Nome do aluno: Matheus Popolin
Número do patrimônio: 670436
Nome do domínio: *sitedopopolinutfpr.com.br*

CONFIGURAÇÃO PADRÃO DO DOMÍNIO

Antes de tudo.....

Executar o comando **date**.

```
utfpr@utfpr:~$ date
ter 25 nov 2025 19:01:38 -03
[ctrl + c]
```

Primeiro passo: **(A)** Criar o diretório para seu domínio; **(B)** Atribuir a propriedade do diretório para o seu usuário; **(C)** Garantir as permissões para seu usuário de modo que: (i) o proprietário leia, grave e execute os arquivos; (ii) o grupo e os outros apenas podem ler e executar:).

```
utfpr@utfpr:~$ sudo mkdir -p /var/www/sitedopopolinutfpr.com.br/html/
[sudo] senha para utfpr:
```

```
utfpr@utfpr:~$ sudo chown -R utfpr /var/www/sitedopopolinutfpr.com.br/
utfpr@utfpr:~$ sudo chgrp -R utfpr /var/www/sitedopopolinutfpr.com.br/
utfpr@utfpr:~$ sudo chmod -R 755 /var/www/sitedopopolinutfpr.com.br/
```

Subitem: colocar o print em que apareça as mudanças efetuadas no Primeiro Passo (**ls -la**).

```
utfpr@utfpr:~$ ls -la /var/www/sitedopopolinutfpr.com.br/
total 12
drwxr-xr-x 3 root root 4096 nov 25 19:02 .
drwxr-xr-x 8 root root 4096 nov 25 19:02 ..
drwxr-xr-x 2 utfpr utfpr 4096 nov 25 19:02 html
```

Segundo passo: Criar página HTML e mostrar de alguma forma que ela se encontra no diretório apropriado (por exemplo, **\$ cat /var/www/your_domain/html/index.html**).

```
utfpr@utfpr:~$ pico /var/www/sitedopopolinutfpr.com.br/html/index.html
utfpr@utfpr:~$ cat /var/www/sitedopopolinutfpr.com.br/html/index.html
<html>
<head>
<title>Bem-vindo à página da Popolin!</title>
</head>
<body>
<h1>Matheus</h1>
<h2>Popolin</h2>

</body>
</html>
```

Terceiro passo: Criar o bloco de configuração do *virtual host (server block)* com as diretivas corretas e mostrar ele aqui usando \$cat /etc/nginx/sites-available/your_domain).

```
utfpr@utfpr:~$ sudo pico /etc/nginx/sites-available/sitedopopolinutfpr.com.br
utfpr@utfpr:~$ cat pico /etc/nginx/sites-available/sitedopopolinutfpr.com.br
cat: pico: Arquivo ou diretório inexistente
server {
    listen 80;

    server_name sitedopopolinutfpr.com.br www.sitedopopolinutfpr.com.br;
    root /var/www/sitedopopolinutfpr.com.br/html/;
    index index.html;

    location / {
        try_files $uri $uri/ =404;
    }
}
```

Quarto passo: Criar link do server block para o diretório *sites-enabled* que o Nginx lê durante a inicialização e mostrar o link criado:

```
utfpr@utfpr:~$ sudo ln -s /etc/nginx/sites-available/sitedopopolinutfpr.com.br /etc/nginx/sites-enabled/
utfpr@utfpr:~$
```

Quinto passo: ok (não precisa realizar)

```
utfpr@utfpr:~$ sudo pico /etc/nginx/nginx.conf
# ...
# server_tokens off;
server_names_hash_bucket_size 64;
```

Sexto passo: Editar o arquivo de hosts.

```
utfpr@utfpr:~$ sudo pico /etc/hosts
utfpr@utfpr:~$ cat /etc/hosts
127.0.0.1 localhost
127.0.1.1 utfpr
127.0.0.1 meusite.com.br
127.0.0.1 dominiodopops.com.br
127.0.0.1 sorveteria.com.br
127.0.0.1 teatrodautfpr.com.br
127.0.0.1 sitedopopolinutfpr.com.br

# The following lines are desirable for IPv6 capable hosts
::1      ip6-localhost ip6-loopback
fe00::0  ip6-localnet
ff00::0  ip6-mcastprefix
ff02::1  ip6-allnodes
ff02::2  ip6-allrouters
```

Sétimo passo: Verificar a sintaxe em arquivos NGINX, Restartar o servidor Nginx e verificar o status.

```

utfpr@utfpr:~$ sudo nginx -t
2025/11/25 19:12:06 [warn] 8714#8714: "ssl_stapling" ignored, issuer certificate not found for
certificate "/etc/ssl/certs/nginx-selfsigned.crt"
2025/11/25 19:12:06 [warn] 8714#8714: "ssl_stapling" ignored, issuer certificate not found for
certificate "/etc/ssl/certs/nginx-selfsigned.crt"
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful

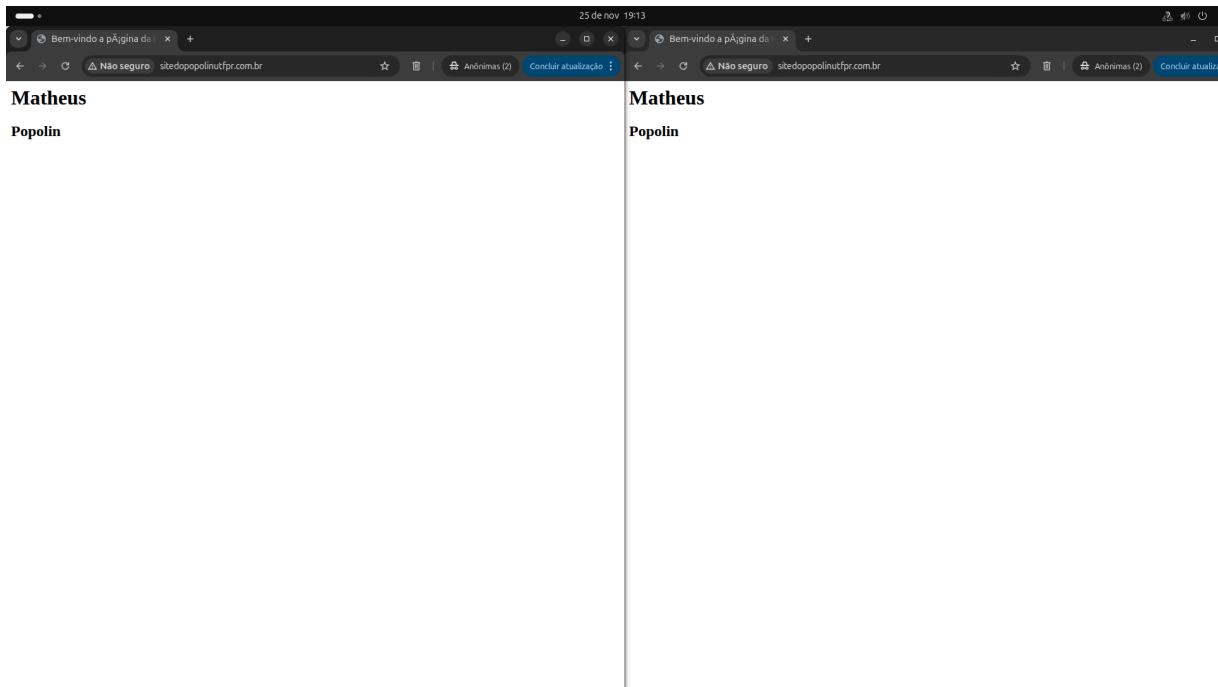
utfpr@utfpr:~$ sudo systemctl restart nginx
utfpr@utfpr:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
   Active: active (running) since Tue 2025-11-25 19:12:40 -03; 5s ago
     Docs: man:nginx(8)
 Process: 8771 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exit
 Process: 8776 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, st>
 Main PID: 8777 (nginx)
    Tasks: 21 (limit: 18448)
   Memory: 15.4M (peak: 17.3M)
      CPU: 97ms
     CGroup: /system.slice/nginx.service
             ├─8777 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             ├─8778 "nginx: worker process"
             ├─8779 "nginx: worker process"
             ├─8780 "nginx: worker process"
             ├─8782 "nginx: worker process"
             ├─8783 "nginx: worker process"
             ├─8784 "nginx: worker process"
             ├─8785 "nginx: worker process"
             ├─8786 "nginx: worker process"
             ├─8787 "nginx: worker process"
             ├─8788 "nginx: worker process"
             ├─8789 "nginx: worker process"
             ├─8790 "nginx: worker process"
             ├─8791 "nginx: worker process"
             ├─8792 "nginx: worker process"
             ├─8793 "nginx: worker process"
             ├─8794 "nginx: worker process"
             ├─8795 "nginx: worker process"
             ├─8796 "nginx: worker process"
             ├─8797 "nginx: worker process"
             └─8798 "nginx: worker process"

nov 25 19:12:40 utfpr systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
nov 25 19:12:40 utfpr nginx[8771]: 2025/11/25 19:12:40 [warn] 8771#8771: "ssl_stapling" ignored, issuer certificate not found for
certificate "/etc/ssl/certs/nginx-selfsigned.crt"
nov 25 19:12:40 utfpr nginx[8771]: 2025/11/25 19:12:40 [warn] 8771#8771: "ssl_stapling" ignored, issuer certificate not found for
certificate "/etc/ssl/certs/nginx-selfsigned.crt"
nov 25 19:12:40 utfpr nginx[8776]: 2025/11/25 19:12:40 [warn] 8776#8776: "ssl_stapling" ignored, issuer certificate not found for
certificate "/etc/ssl/certs/nginx-selfsigned.crt"
nov 25 19:12:40 utfpr nginx[8776]: 2025/11/25 19:12:40 [warn] 8776#8776: "ssl_stapling" ignored, issuer certificate not found for
certificate "/etc/ssl/certs/nginx-selfsigned.crt"
nov 25 19:12:40 utfpr systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.

[lines 1-39/39 (END)]

```

Oitavo passo: Testar o domínio no navegador (duas abas).



CONFIGURAÇÃO DE PÁGINAS DE STATUS DO DOMÍNIO

PÁGINA NÃO ENCONTRADA:

Passo 1: Criar o diretório para páginas de status (*status-pages*) em local adequado no sistema de arquivos.

```
utfpr@utfpr:~$ mkdir /var/www/sitedopolinutfp.com.br/status-pages
```

Passo 2: Criar página HTML para página não encontrada (404.html). Salvar ela no diretório criado no Passo 1.

```
utfpr@utfpr:~$ pico /var/www/sitedopolinutfp.com.br/status-pages/404.html
utfpr@utfpr:~$ cat /var/www/sitedopolinutfp.com.br/status-pages/404.html
<html>
<head> Página não encontrada! </head>
<body>
<h1> Ou então...</h1>

<h2> Recurso não encontrado! </h2>
<a href="/"> Vá para a Página principal </a>

</body>
</html>
utfpr@utfpr:~$
```

Passo 3: Modificar o bloco de configuração do domínio para servir páginas não encontradas e para armazenar logs de acesso e erro mostrando o bloco criado.

```
utfpr@utfpr:~$ sudo pico /etc/nginx/sites-available/sitedopopolinutfpr.com.br
utfpr@utfpr:~$ cat /etc/nginx/sites-available/sitedopopolinutfpr.com.br
server {
    listen 80;

    server_name sitedopopolinutfpr.com.br www.sitedopopolinutfpr.com.br;
    root /var/www/sitedopopolinutfpr.com.br/html/;
    index index.html;

    access_log /var/www/sitedopopolinutfpr.com.br/logs/nginx_access.log;
    error_log /var/www/sitedopopolinutfpr.com.br/logs/nginx_error.log;

    location / {
        try_files $uri $uri/ =404;
    }

    error_page 404 /404.html;
    location = /404.html {
        root /var/www/sitedopopolinutfpr.com.br/status-pages/;
        internal;
    }
}
utfpr@utfpr:~$
```

Subitem: criar o diretório de logs em local apropriado e os arquivos em branco colando os prints da execução aqui.

```
utfpr@utfpr:~$ mkdir /var/www/sitedopopolinutfpr.com.br/logs
utfpr@utfpr:~$ touch /var/www/sitedopopolinutfpr.com.br/logs/nginx_access.log
utfpr@utfpr:~$ touch /var/www/sitedopopolinutfpr.com.br/logs/nginx_error.log
utfpr@utfpr:~$ ls /var/www/sitedopopolinutfpr.com.br/logs
nginx_access.log  nginx_error.log
```

Passo 4: Testar se os arquivos do NGINX estão ok.

```
utfpr@utfpr:~$ sudo nginx -t
2025/11/25 19:24:34 [warn] 9414#9414: "ssl_stapling" ignored, issuer certificate not found for
certificate "/etc/ssl/certs/nginx-selfsigned.crt"
2025/11/25 19:24:34 [warn] 9414#9414: "ssl_stapling" ignored, issuer certificate not found for
certificate "/etc/ssl/certs/nginx-selfsigned.crt"
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
```

Passo 5: Restartar o servidor NGINX.

```
utfpr@utfpr:~$ sudo systemctl restart nginx
utfpr@utfpr:~$
```

Passo 6: Verificar o status do servidor NGINX.

```
utfpr@utfpr:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
  Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
  Active: active (running) since Tue 2025-11-25 19:24:53 -03; 14s ago
    Docs: man:nginx(8)
 Process: 9434 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0)
 Process: 9438 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0)
 Main PID: 9439 (nginx)
   Tasks: 21 (limit: 18448)
  Memory: 15.3M (peak: 16.9M)
    CPU: 110ms
   CGroup: /system.slice/nginx.service
           ├─9439 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
           ├─9440 "nginx: worker process"
           ├─9441 "nginx: worker process"
           ├─9442 "nginx: worker process"
           ├─9443 "nginx: worker process"
           ├─9445 "nginx: worker process"
           ├─9446 "nginx: worker process"
           ├─9447 "nginx: worker process"
           ├─9448 "nginx: worker process"
           ├─9449 "nginx: worker process"
           ├─9450 "nginx: worker process"
           ├─9451 "nginx: worker process"
           ├─9452 "nginx: worker process"
           ├─9453 "nginx: worker process"
           ├─9454 "nginx: worker process"
           ├─9455 "nginx: worker process"
           ├─9456 "nginx: worker process"
           ├─9457 "nginx: worker process"
           ├─9458 "nginx: worker process"
           ├─9459 "nginx: worker process"
           └─9460 "nginx: worker process"

nov 25 19:24:53 utfpr systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
nov 25 19:24:53 utfpr nginx[9434]: 2025/11/25 19:24:53 [warn] 9434#9434: "ssl_stapling" ignored, the header is always empty
nov 25 19:24:53 utfpr nginx[9434]: 2025/11/25 19:24:53 [warn] 9434#9434: "ssl_stapling" ignored, the header is always empty
nov 25 19:24:53 utfpr nginx[9438]: 2025/11/25 19:24:53 [warn] 9438#9438: "ssl_stapling" ignored, the header is always empty
nov 25 19:24:53 utfpr nginx[9438]: 2025/11/25 19:24:53 [warn] 9438#9438: "ssl_stapling" ignored, the header is always empty
nov 25 19:24:53 utfpr systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.

[lines 1-39/39 (END)]
```

Passo 7: Testar página não encontrada no navegador.



CONFIGURAÇÃO DE PÁGINAS DE STATUS DO DOMÍNIO

PÁGINA DE MANUTENÇÃO:

Passo 1: Criar o diretório *maintenance* em local apropriado no sistema de arquivos.

```
utfpr@utfpr:~$ sudo mkdir /etc/nginx/maintenance
```

Passo 2: Criar página de manutenção (503.html). Salvar ela em diretório apropriado.

```
utfpr@utfpr:~$ pico /var/www/sitedopopolinutfpr.com.br/status-pages/503.html
utfpr@utfpr:~$ cat /var/www/sitedopopolinutfpr.com.br/status-pages/503.html
<html>
<head> Maintenance Page </head>
<body>
<h1> Olá!!</h1>
<h2> Página em manutenção!! </h2>
<p> Volte em breve! </p>
</body>
</html>
```

Passo 3: Modificar o bloco de configuração do domínio para servir página de manutenção mostrando o bloco criado.

```
utfpr@utfpr:~$ sudo pico /etc/nginx/sites-available/sitedopolinutfpr.com.br
utfpr@utfpr:~$ cat /etc/nginx/sites-available/sitedopolinutfpr.com.br
server {
    listen 80;

    server_name sitedopolinutfpr.com.br www.sitedopolinutfpr.com.br;
    root /var/www/sitedopolinutfpr.com.br/html/;
    index index.html;

    access_log /var/www/sitedopolinutfpr.com.br/logs/nginx_access.log;
    error_log /var/www/sitedopolinutfpr.com.br/logs/nginx_error.log;

    location /{
        if (-f /etc/nginx/maintenance/$server_name) {
            return 503;
        }
    }

    error_page 404 /404.html;
    location = /404.html {
        root /var/www/sitedopolinutfpr.com.br/status-pages/;
        internal;
    }

    error_page 503 /503.html;
    location = /503.html {
        root /var/www/sitedopolinutfpr.com.br/status-pages/;
        internal;
    }
}
utfpr@utfpr:~$
```

Passo 4: Testar se os arquivos do NGINX estão ok.

```
utfpr@utfpr:~$ sudo nginx -t
2025/11/25 19:35:52 [warn] 10961#10961: "ssl_stapling" ignored, issuer certificate not found f
or certificate "/etc/ssl/certs/nginx-selfsigned.crt"
2025/11/25 19:35:52 [warn] 10961#10961: "ssl_stapling" ignored, issuer certificate not found f
or certificate "/etc/ssl/certs/nginx-selfsigned.crt"
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
utfpr@utfpr:~$
```

Passo 5: Restartar o servidor NGINX.

```
utfpr@utfpr:~$ sudo systemctl restart nginx
utfpr@utfpr:~$
```

Passo 6: Verificar o status do servidor NGINX.

```

utfpr@utfpr:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
   Active: active (running) since Tue 2025-11-25 19:36:13 -03; 15s ago
     Docs: man:nginx(8)
 Process: 10985 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code==>
 Process: 10989 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, s>
 Main PID: 10990 (nginx)
    Tasks: 21 (limit: 18448)
   Memory: 15.2M (peak: 17.4M)
      CPU: 76ms
     CGroup: /system.slice/nginx.service
             ├─10990 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             ├─10991 "nginx: worker process"
             ├─10992 "nginx: worker process"
             ├─10993 "nginx: worker process"
             ├─10994 "nginx: worker process"
             ├─10996 "nginx: worker process"
             ├─10997 "nginx: worker process"
             ├─10998 "nginx: worker process"
             ├─10999 "nginx: worker process"
             ├─11000 "nginx: worker process"
             ├─11001 "nginx: worker process"
             ├─11002 "nginx: worker process"
             ├─11003 "nginx: worker process"
             ├─11004 "nginx: worker process"
             ├─11005 "nginx: worker process"
             ├─11006 "nginx: worker process"
             ├─11007 "nginx: worker process"
             ├─11008 "nginx: worker process"
             ├─11009 "nginx: worker process"
             ├─11010 "nginx: worker process"
             └─11011 "nginx: worker process"

nov 25 19:36:13 utfpr systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
nov 25 19:36:13 utfpr nginx[10985]: 2025/11/25 19:36:13 [warn] 10985#10985: "ssl_stapling" ignored, the header is always sent
nov 25 19:36:13 utfpr nginx[10985]: 2025/11/25 19:36:13 [warn] 10985#10985: "ssl_stapling" ignored, the header is always sent
nov 25 19:36:13 utfpr nginx[10989]: 2025/11/25 19:36:13 [warn] 10989#10989: "ssl_stapling" ignored, the header is always sent
nov 25 19:36:13 utfpr nginx[10989]: 2025/11/25 19:36:13 [warn] 10989#10989: "ssl_stapling" ignored, the header is always sent
nov 25 19:36:13 utfpr systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.

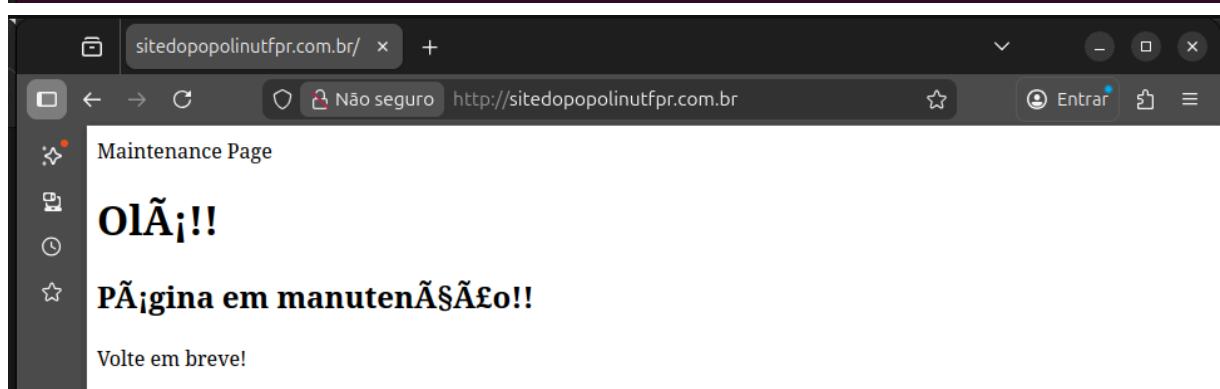
[lines 1-39/39 (END)]

```

Passo 7: Criar arquivo vazio com o nome do domínio para indicar que o site está em manutenção e testar no navegador.

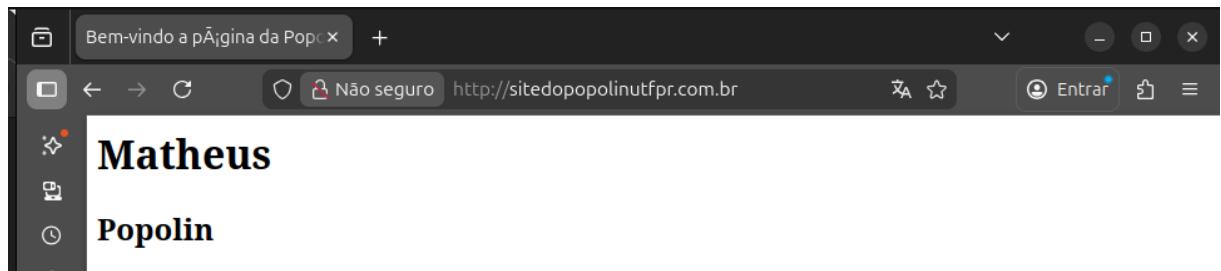
```

utfpr@utfpr:~$ sudo touch /etc/nginx/maintenance/sitedopolinutfpr.com.br
utfpr@utfpr:~$
```



Passo 8: Excluir o arquivo vazio com o nome do domínio para indicar que o site NÃO está mais em manutenção e testar no navegador.

```
utfpr@utfpr:~$ sudo rm /etc/nginx/maintenance/sitedopolinutfpr.com.br  
utfpr@utfpr:~$
```



CONFIGURAÇÃO DO HTTP/2

CONFIGURAÇÃO DO NGINX PARA HTTP/2:

Passo 5 (se vai utilizar certificado já criado, senão execute os passos anteriores): Ajustar a configuração do Nginx para usar a camada SSL.

```
utfpr@utfpr:~$ sudo pico /etc/nginx/snippets/self-signed.conf  
utfpr@utfpr:~$ cat /etc/nginx/snippets/self-signed.conf  
ssl_certificate /etc/ssl/certs/nginx-selfsigned.crt;  
ssl_certificate_key /etc/ssl/private/nginx-selfsigned.key;  
utfpr@utfpr:~$
```

```
utfpr@utfpr:~$ sudo pico /etc/nginx/snippets/ssl-params.conf  
utfpr@utfpr:~$ cat /etc/nginx/snippets/ssl-params.conf  
ssl_protocols TLSv1.3;  
ssl_prefer_server_ciphers on;  
ssl_dhparam /etc/nginx/dhparam.pem;  
ssl_ciphers ECDH+AESGCM:EDH+AESGCM;  
ssl_ecdh_curve secp384r1;  
ssl_session_timeout 10m;  
ssl_session_cache shared:SSL:10m;  
ssl_session_tickets off;  
ssl_stapling on;  
ssl_stapling_verify on;  
resolver 8.8.8.8 8.8.4.4 valid=300s;  
resolver_timeout 5s;  
# Disable strict transport security for now. You can uncomment the following  
# line if you understand the implications.  
#add_header Strict-Transport-Security "max-age=63072000; includeSubDomains; preload";  
add_header X-Frame-Options DENY;  
add_header X-Content-Type-Options nosniff;  
add_header X-XSS-Protection "1; mode=block";
```

```
utfpr@utfpr:~$ sudo cp /etc/nginx/sites-available/sitedopolinutfpr.com.br /etc/nginx/sites-available/sitedopolinutfpr.com.br.bak  
utfpr@utfpr:~$
```

Passo 6: Abrir o arquivo de configuração do seu domínio (server-block) e utilizar a porta 443 para conexões seguras, bem como o caminho para o

servidor encontrar o certificado e a chave gerados, bem como os parâmetros do protocolo ssl.

```
utfpr@utfpr:~$ sudo pico /etc/nginx/sites-available/sitedopopolinutfpr.com.br
utfpr@utfpr:~$ cat /etc/nginx/sites-available/sitedopopolinutfpr.com.br
server {
    listen 443 ssl;

    include /etc/nginx/snippets/self-signed.conf;
    include /etc/nginx/snippets/ssl-params.conf;

    server_name sitedopopolinutfpr.com.br www.sitedopopolinutfpr.com.br;
    root /var/www/sitedopopolinutfpr.com.br/html/;
    index index.html;

    access_log /var/www/sitedopopolinutfpr.com.br/logs/nginx_access.log;
    error_log /var/www/sitedopopolinutfpr.com.br/logs/nginx_error.log;

    location /{
        if (-f /etc/nginx/maintenance/$server_name) {
            return 503;
        }
    }

    error_page 404 /404.html;
    location = /404.html {
        root /var/www/sitedopopolinutfpr.com.br/status-pages/;
        internal;
    }

    error_page 503 /503.html;
    location = /503.html {
        root /var/www/sitedopopolinutfpr.com.br/status-pages/;
        internal;
    }
}
utfpr@utfpr:~$
```

Passo 7: Checar se não existem erros de sintaxe nos arquivos de configuração do NGINX:

```
utfpr@utfpr:~$ sudo nginx -t
2025/11/25 19:45:25 [warn] 19487#19487: "ssl_stapling" ignored, issuer certificate not found f
or certificate "/etc/ssl/certs/nginx-selfsigned.crt"
2025/11/25 19:45:25 [warn] 19487#19487: "ssl_stapling" ignored, issuer certificate not found f
or certificate "/etc/ssl/certs/nginx-selfsigned.crt"
2025/11/25 19:45:25 [warn] 19487#19487: "ssl_stapling" ignored, issuer certificate not found f
or certificate "/etc/ssl/certs/nginx-selfsigned.crt"
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
utfpr@utfpr:~$ █
```

Saída do comando CURL (PRINT):

```
utfpr@utfpr:~$ curl --insecure -I -L https://sitedopopolinutfpr.com.br
HTTP/2 200
server: nginx/1.24.0 (Ubuntu)
date: Tue, 25 Nov 2025 22:50:13 GMT
content-type: text/html
content-length: 127
last-modified: Tue, 25 Nov 2025 22:05:44 GMT
etag: "69262838-7f"
x-frame-options: DENY
x-content-type-options: nosniff
x-xss-protection: 1; mode=block
accept-ranges: bytes
```

CONFIGURAÇÃO DO NGINX PARA PÁGINAS DINÂMICAS

CONFIGURAÇÃO DO NGINX PARA PÁGINAS DINÂMICAS:

Executar o tutorial da Aula 10 e colocar os prints dos passos e das saídas do browser aqui. Não esquecer de colar os comandos no mysql.

```
utfpr@utfpr:~$ systemctl status php8.3-fpm.service
Warning: The unit file, source configuration file or drop-ins of php8.3-fpm.service changed or
● php8.3-fpm.service - The PHP 8.3 FastCGI Process Manager
   Loaded: loaded (/usr/lib/systemd/system/php8.3-fpm.service; enabled; preset: enabled)
   Active: active (running) since Tue 2025-11-25 18:51:25 -03; 1h 7min ago
     Docs: man:php-fpm8.3(8)
 Main PID: 1670 (php-fpm8.3)
    Status: "Processes active: 0, idle: 2, Requests: 0, slow: 0, Traffic: 0req/sec"
      Tasks: 3 (limit: 18448)
     Memory: 13.1M (peak: 16.4M)
        CPU: 328ms
       CGroup: /system.slice/php8.3-fpm.service
               ├─1670 "php-fpm: master process (/etc/php/8.3/fpm/php-fpm.conf)"
               └─1720 "php-fpm: pool www"
                  ├─1721 "php-fpm: pool www"

nov 25 18:51:25 utfpr systemd[1]: Starting php8.3-fpm.service - The PHP 8.3 FastCGI Process M...
nov 25 18:51:25 utfpr systemd[1]: Started php8.3-fpm.service - The PHP 8.3 FastCGI Process Ma...
```

```
utfpr@utfpr:~$ sudo pico /etc/nginx/sites-available/sitedopopolinutfpr.com.br
utfpr@utfpr:~$ cat pico /etc/nginx/sites-available/sitedopopolinutfpr.com.br
cat: pico: Arquivo ou diretório inexistente
server {
    listen 443 ssl;

    include /etc/nginx/snippets/self-signed.conf;
    include /etc/nginx/snippets/ssl-params.conf;

    server_name sitedopopolinutfpr.com.br www.sitedopopolinutfpr.com.br;
    root /var/www/sitedopopolinutfpr.com.br/html/;
    index index.html;

    access_log /var/www/sitedopopolinutfpr.com.br/logs/nginx_access.log;
    error_log /var/www/sitedopopolinutfpr.com.br/logs/nginx_error.log;

    location /{
        if (-f /etc/nginx/maintenance/$server_name) {
            return 503;
        }
    }

    error_page 404 /404.html;
    location = /404.html {
        root /var/www/sitedopopolinutfpr.com.br/status-pages/;
        internal;
    }

    error_page 503 /503.html;
    location = /503.html {
        root /var/www/sitedopopolinutfpr.com.br/status-pages/;
        internal;
    }

    location ~ \.php$ {
        include snippets/fastcgi-php.conf;
        fastcgi_pass unix:/var/run/php/php8.3-fpm.sock;
    }

    location ~/\.ht{
        deny all;
    }
}
utfpr@utfpr:~$
```

```
utfpr@utfpr:~$ sudo nginx -t
2025/11/25 20:07:43 [warn] 26991#26991: "ssl_stapling" ignored, issuer certificate not found for certificate "/etc/ssl/certs/nginx-selfsigned.crt"
2025/11/25 20:07:43 [warn] 26991#26991: "ssl_stapling" ignored, issuer certificate not found for certificate "/etc/ssl/certs/nginx-selfsigned.crt"
2025/11/25 20:07:43 [warn] 26991#26991: "ssl_stapling" ignored, issuer certificate not found for certificate "/etc/ssl/certs/nginx-selfsigned.crt"
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
utfpr@utfpr:~$
```

```
utfpr@utfpr:~$ pico /var/www/sitedopopolinutfpr.com.br/html/index.php
utfpr@utfpr:~$ cat /var/www/sitedopopolinutfpr.com.br/html/index.php
<?php
    phpinfo();
?>
utfpr@utfpr:~$
```

```
utfpr@utfpr:~$ sudo systemctl restart nginx
utfpr@utfpr:~$ █
```

PHP Version 8.3.6

System

Build Date	Jul 14 2025 18:30:55
Build System	Linux
Server API	FPM/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.3/fpm
Loaded Configuration File	/etc/php/8.3/fpm/php.ini
Scan this dir for additional .ini files	/etc/php/8.3/fpm/conf.d
Additional .ini files parsed	/etc/php/8.3/fpm/conf.d/10-mysqlnd.ini, /etc/php/8.3/fpm/conf.d/10-opcache.ini, /etc/php/8.3/fpm/conf.d/10-pdo.ini, /etc/php/8.3/fpm/conf.d/20-calendar.ini, /etc/php/8.3/fpm/conf.d/20-ctype.ini, /etc/php/8.3/fpm/conf.d/20-exif.ini, /etc/php/8.3/fpm/conf.d/20-filinfo.ini, /etc/php/8.3/fpm/conf.d/20-fileinfo.ini, /etc/php/8.3/fpm/conf.d/20-ftp.ini, /etc/php/8.3/fpm/conf.d/20-gettext.ini, /etc/php/8.3/fpm/conf.d/20-iconv.ini, /etc/php/8.3/fpm/conf.d/20-mysqli.ini, /etc/php/8.3/fpm/conf.d/20-pdo_mysqli.ini, /etc/php/8.3/fpm/conf.d/20-phar.ini, /etc/php/8.3/fpm/conf.d/20-posix.ini, /etc/php/8.3/fpm/conf.d/20-readline.ini, /etc/php/8.3/fpm/conf.d/20-shmop.ini, /etc/php/8.3/fpm/conf.d/20-sockets.ini, /etc/php/8.3/fpm/conf.d/20-sysvmsg.ini, /etc/php/8.3/fpm/conf.d/20-sysvsem.ini, /etc/php/8.3/fpm/conf.d/20-sysvshm.ini, /etc/php/8.3/fpm/conf.d/20-tokenizer.ini
PHP API	20230831
PHP Extension	20230831
Zend Extension	420230831
Zend Extension Build	API420230831,NTS
PHP Extension Build	API20230831,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
Zend Max Execution Timers	disabled
IPv6 Support	enabled
DTrace Support	disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3
Registered Stream Filters	zlib.* , string.rot13, string.toupper, string.tolower, convert.* , consumed, dechunk, convert.iconv.*

```
utfpr@utfpr:~$ sudo apt install mysql-server
[sudo] senha para utfpr:
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
mysql-server já é a versão mais nova (8.0.44-0ubuntu0.24.04.1).
0 pacotes atualizados, 0 pacotes novos instalados, 0 a serem removidos e 105 não atualizados.
utfpr@utfpr:~$
```

```

utfpr@utfpr:~$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.44-Ubuntu0.24.04.1 (Ubuntu)

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE DATABASE minha_base_de_dados;
ERROR 1007 (HY000): Can't create database 'minha_base_de_dados'; database exists
mysql> CREATE USER 'usuario'@'%' IDENTIFIED WITH mysql_native_password BY 'password';
ERROR 1396 (HY000): Operation CREATE USER failed for 'usuario'@'%'
mysql> CREATE USER 'popolin'@'%' IDENTIFIED WITH mysql_native_password BY 'password';
Query OK, 0 rows affected (0,01 sec)

mysql> GRANT ALL ON minha_base_de_dados.* TO 'popolin'@'%';
Query OK, 0 rows affected (0,02 sec)

mysql> exit
Bye
utfpr@utfpr:~$
```

```

utfpr@utfpr:~$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.44-Ubuntu0.24.04.1 (Ubuntu)

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Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```

mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| ane_dados |
| information_schema |
| minha_base_de_dados |
| mysql |
| performance_schema |
| sys |
+-----+
6 rows in set (0,01 sec)
```

```

mysql> CREATE TABLE minha_base_de_dados.todo_list (
    -> item_id INT AUTO_INCREMENT,
    -> content VARCHAR(255),
    -> PRIMARY KEY(item_id)
    -> );
ERROR 1050 (42S01): Table 'todo_list' already exists
mysql> select * from minha_base_de_dados.todo_list;
+-----+-----+
| item_id | content |
+-----+-----+
|      1 | Açúcar |
|      2 | Leite   |
+-----+-----+
2 rows in set (0,01 sec)

mysql>
```

```

utfpr@utfpr:~$ pico /var/www/sitedopolinutfpr.com.br/html/todo_list.php
utfpr@utfpr:~$ cat /var/www/sitedopolinutfpr.com.br/html/todo_list.php
<?php
$user = "popolin";
$password = "password";
$database = "minha_base_de_dados";
$table = "todo_list";
try {
$db = new PDO("mysql:host=localhost;dbname=$database", $user, $password);
echo "<h2>TODO</h2><ol>";
foreach($db->query("SELECT content FROM $table") as $row) {
echo "<li>" . $row['content'] . "</li>";
}
echo "</ol>";
} catch (PDOException $e) {
print "Error!: " . $e->getMessage() . "<br/>";
die();
}
?>
utfpr@utfpr:~$
```

The screenshot shows a web browser window with the URL sitedopolinutfpr.com.br/todo_list.php. The page title is "TODO". The content area displays a list of two items: "1. Açúcar" and "2. Leite". To the left of the list is a sidebar containing three icons: a list icon, a clock icon, and a refresh/circular arrow icon.

```

utfpr@utfpr:~$ pico /var/www/sitedopolinutfpr.com.br/html/formulario.php
utfpr@utfpr:~$ cat /var/www/sitedopolinutfpr.com.br/html/formulario.php
<?php
if (isset($_POST['BTEnvia'])) {
//Variaveis de POST, Alterar somente se necessário
//=====
$nome = $_POST['nome'];
$email = $_POST['email'];
$telefone = $_POST['telefone'];
$mensagem = $_POST['mensagem'];
//=====
//REMETENTE --> ESTE EMAIL TEM QUE SER VALIDO DO DOMINIO
//=====
$email_remetente = "email@doseudominio"; // deve ser uma conta de email do seu dominio
//=====
//Configurações do email, ajustar conforme necessidade
//=====
$email_destinatario = "email@querecebe"; // pode ser qualquer email que receberá as mensagens
$email_reply = "$email";
$email_assunto = "Contato formmail"; // Este será o assunto da mensagem
//=====
//Monta o Corpo da Mensagem
//=====
$email_conteudo = "Nome = $nome \n";
$email_conteudo .= "Email = $email \n";
$email_conteudo .= "Telefone = $telefone \n";
$email_conteudo .= "Mensagem = $mensagem \n";
//=====
//Seta os Headers (Alterar somente caso necessário)
//=====
$email_headers = implode( "\n",array( "From: $email_remetente", "Reply-To: $email_reply",
"Return-Path: $email_remetente", "MIME-Version: 1.0", "X-Priority: 3", "Content-Type: text/html",
charset=UTF-8" ) );
//=====
//Enviando o email
//=====
if (mail ($email_destinatario, $email_assunto, nl2br($email_conteudo), $email_headers)){
echo "<b>E-Mail enviado com sucesso!</b>";
}
else{
echo "<b>Falha no envio do E-Mail!</b>"; }
//=====
?>
```

```

?>
<form action="resposta.php" method="POST">
<p>
Nome:<br />
<input type="text" size="30" name="nome">
</p>
<p>
E-mail:<br />
<input type="text" size="30" name="email">
</p>
<p>
Telefone:<br />
<input type="text" size="35" name="telefone">
</p>
<p>
Mensagem:<br />
<input type="text" size="35" name="mensagem">
</p>
<p>
<input type="submit" name="BTEnvia" value="Enviar">
<input type="reset" name="BTApaga" value="Apagar">
</p>
utfpr@utfpr:~$ 

```

```

utfpr@utfpr:~$ pico /var/www/sitedopolinutfpr.com.br/html/resposta.php
utfpr@utfpr:~$ cat /var/www/sitedopolinutfpr.com.br/html/resposta.php
<?php
echo "Dados recebidos com sucesso!";
?>
utfpr@utfpr:~$ 

```

The image contains two screenshots of a web browser window. The top screenshot shows a form with fields for Nome, E-mail, Telefone, and Mensagem, along with 'Enviar' and 'Apagar' buttons. The bottom screenshot shows the same browser window after submission, displaying the message 'Dados recebidos com sucesso!'.

Passo adicional 01: em /var/www/your_domain executar o comando tree.

Passo adicional 02: em /etc/nginx/ executar o comando tree.
»» colar o print do passo aqui!

Passo adicional 03: em duas abas do navegador abrir a página principal do domínio novamente (para registro de logs). Não precisa de print aqui!

Passo adicional 04: colar o conteúdo de acesso do arquivo de log nginx_access.log.

```
127.0.0.1 - - [25/Nov/2025:19:25:44 -0300] "GET / HTTP/1.1" 200 126 "-"
Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
127.0.0.1 - - [25/Nov/2025:19:25:49 -0300] "GET /404 HTTP/1.1" 404
196 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
127.0.0.1 - - [25/Nov/2025:19:26:02 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"
127.0.0.1 - - [25/Nov/2025:19:26:04 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"
127.0.0.1 - - [25/Nov/2025:19:26:04 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"
127.0.0.1 - - [25/Nov/2025:19:26:04 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"
127.0.0.1 - - [25/Nov/2025:19:26:04 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"
127.0.0.1 - - [25/Nov/2025:19:26:05 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"
127.0.0.1 - - [25/Nov/2025:19:26:05 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"
127.0.0.1 - - [25/Nov/2025:19:26:05 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
```

AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:26:05 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:26:20 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:26:20 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:26:20 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:26:21 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:26:21 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:26:21 -0300] "GET /naoencontrado.html
HTTP/1.1" 404 196 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:26:33 -0300] "GET / HTTP/1.1" 200 126 "-"
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0) Gecko/20100101
Firefox/145.0"

127.0.0.1 - - [25/Nov/2025:19:26:33 -0300] "GET /favicon.ico HTTP/1.1"
404 134 "http://sitedopopolinutpr.com.br/" "Mozilla/5.0 (X11; Ubuntu;
Linux x86_64; rv:145.0) Gecko/20100101 Firefox/145.0"

127.0.0.1 - - [25/Nov/2025:19:26:38 -0300] "GET /pagina HTTP/1.1" 404
134 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0)
Gecko/20100101 Firefox/145.0"

127.0.0.1 - - [25/Nov/2025:19:30:17 -0300] "GET /pagina HTTP/1.1" 404
163 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0)
Gecko/20100101 Firefox/145.0"

127.0.0.1 - - [25/Nov/2025:19:38:16 -0300] "GET / HTTP/1.1" 503 143 "-"
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0) Gecko/20100101
Firefox/145.0"

127.0.0.1 - - [25/Nov/2025:19:38:16 -0300] "GET /favicon.ico HTTP/1.1"
503 143 "http://sitedopopolinutfpr.com.br/" "Mozilla/5.0 (X11; Ubuntu;
Linux x86_64; rv:145.0) Gecko/20100101 Firefox/145.0"

127.0.0.1 - - [25/Nov/2025:19:39:10 -0300] "GET / HTTP/1.1" 200 126 "-"
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0) Gecko/20100101
Firefox/145.0"

127.0.0.1 - - [25/Nov/2025:19:49:55 -0300] "HEAD / HTTP/2.0" 200 0 "-"
"curl/8.5.0"

127.0.0.1 - - [25/Nov/2025:19:50:13 -0300] "HEAD / HTTP/2.0" 200 0 "-"
"curl/8.5.0"

127.0.0.1 - - [25/Nov/2025:19:54:46 -0300] "GET / HTTP/2.0" 200 115 "-"
"Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/140.0.0.0 Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:54:46 -0300] "GET /favicon.ico HTTP/2.0"
404 152 "https://sitedopopolinutfpr.com.br/" "Mozilla/5.0 (X11; Linux
x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0
Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:54:50 -0300] "GET / HTTP/2.0" 200 115 "-"
"Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/140.0.0.0 Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:54:55 -0300] "GET / HTTP/2.0" 200 115 "-"
"Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/140.0.0.0 Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:55:01 -0300] "GET / HTTP/2.0" 200 115 "-"
"Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/140.0.0.0 Safari/537.36"

127.0.0.1 - - [25/Nov/2025:19:56:02 -0300] "GET / HTTP/2.0" 200 115 "-"
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0) Gecko/20100101
Firefox/145.0"

127.0.0.1 - - [25/Nov/2025:19:56:02 -0300] "GET /favicon.ico HTTP/2.0"
404 152 "https://sitedopopolinutfpr.com.br/" "Mozilla/5.0 (X11; Ubuntu;
Linux x86_64; rv:145.0) Gecko/20100101 Firefox/145.0"

127.0.0.1 - - [25/Nov/2025:20:02:40 -0300] "GET / HTTP/2.0" 200 115 "-"
"Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/140.0.0.0 Safari/537.36"

127.0.0.1 - - [25/Nov/2025:20:02:46 -0300] "GET /index.php HTTP/2.0"
200 21 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
127.0.0.1 - - [25/Nov/2025:20:02:52 -0300] "GET /index.php HTTP/2.0"
200 21 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
127.0.0.1 - - [25/Nov/2025:20:03:20 -0300] "GET /index.php HTTP/2.0"
200 21 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0)
Gecko/20100101 Firefox/145.0"
127.0.0.1 - - [25/Nov/2025:20:08:16 -0300] "GET / HTTP/2.0" 200 115 "-"
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0) Gecko/20100101
Firefox/145.0"
127.0.0.1 - - [25/Nov/2025:20:08:16 -0300] "GET /favicon.ico HTTP/2.0"
404 152 "https://sitedopopolinutfpr.com.br/" "Mozilla/5.0 (X11; Ubuntu;
Linux x86_64; rv:145.0) Gecko/20100101 Firefox/145.0"
127.0.0.1 - - [25/Nov/2025:20:08:23 -0300] "GET /index.php HTTP/2.0"
200 23157 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0)
Gecko/20100101 Firefox/145.0"
127.0.0.1 - - [25/Nov/2025:21:10:04 -0300] "GET / HTTP/2.0" 200 115 "-"
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0) Gecko/20100101
Firefox/145.0"
127.0.0.1 - - [25/Nov/2025:21:10:04 -0300] "GET /favicon.ico HTTP/2.0"
404 152 "https://sitedopopolinutfpr.com.br/" "Mozilla/5.0 (X11; Ubuntu;
Linux x86_64; rv:145.0) Gecko/20100101 Firefox/145.0"
127.0.0.1 - - [25/Nov/2025:21:10:11 -0300] "GET /todo_list.php
HTTP/2.0" 404 152 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0)
Gecko/20100101 Firefox/145.0"
127.0.0.1 - - [25/Nov/2025:21:12:22 -0300] "GET /todo_list.php
HTTP/2.0" 200 63 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0)
Gecko/20100101 Firefox/145.0"
127.0.0.1 - - [25/Nov/2025:21:19:29 -0300] "GET /formulario.php
HTTP/2.0" 200 209 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0)
Gecko/20100101 Firefox/145.0"
127.0.0.1 - - [25/Nov/2025:21:20:52 -0300] "POST /resposta.php
HTTP/2.0" 200 45 "https://sitedopopolinutfpr.com.br/formulario.php"
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:145.0) Gecko/20100101
Firefox/145.0"

Passo adicional 05: colar o conteúdo de acesso do arquivo de log nginx_error.log.

```
2025/11/25 19:25:49 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /404 HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:02 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:04 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:04 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:04 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:04 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:05 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:05 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:05 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
```

2025/11/25 19:26:05 [error] 9440#9440: *2 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:20 [error] 9582#9582: *1 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:20 [error] 9582#9582: *1 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:20 [error] 9582#9582: *1 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:21 [error] 9582#9582: *1 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:21 [error] 9582#9582: *1 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:21 [error] 9582#9582: *1 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /naoencontrado.html HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:26:33 [error] 9580#9580: *3 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /favicon.ico HTTP/1.1", host: "sitedopolinutfpr.com.br", referrer:
"http://sitedopolinutfpr.com.br/"
2025/11/25 19:26:38 [error] 9580#9580: *3 open()
"/var/www/cafeteria.com.br/status-pages/404.html" failed (2: No such file
or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br, request:
"GET /pagina HTTP/1.1", host: "sitedopolinutfpr.com.br"
2025/11/25 19:54:46 [error] 21882#21882: *13 open()
"/var/www/sitedopolinutfpr.com.br/html/favicon.ico" failed (2: No such
file or directory), client: 127.0.0.1, server: sitedopolinutfpr.com.br,

```
request: "GET /favicon.ico HTTP/2.0", host: "sitedopopolinutfpr.com.br",
referrer: "https://sitedopopolinutfpr.com.br/"

2025/11/25 19:56:02 [error] 21886#21886: *19 open()
"/var/www/sitedopopolinutfpr.com.br/html/favicon.ico" failed (2: No such
file or directory), client: 127.0.0.1, server: sitedopopolinutfpr.com.br,
request: "GET /favicon.ico HTTP/2.0", host: "sitedopopolinutfpr.com.br",
referrer: "https://sitedopopolinutfpr.com.br/"

2025/11/25 20:08:16 [error] 27055#27055: *2 open()
"/var/www/sitedopopolinutfpr.com.br/html/favicon.ico" failed (2: No such
file or directory), client: 127.0.0.1, server: sitedopopolinutfpr.com.br,
request: "GET /favicon.ico HTTP/2.0", host: "sitedopopolinutfpr.com.br",
referrer: "https://sitedopopolinutfpr.com.br/"

2025/11/25 21:10:04 [error] 30384#30384: *1 open()
"/var/www/sitedopopolinutfpr.com.br/html/favicon.ico" failed (2: No such
file or directory), client: 127.0.0.1, server: sitedopopolinutfpr.com.br,
request: "GET /favicon.ico HTTP/2.0", host: "sitedopopolinutfpr.com.br",
referrer: "https://sitedopopolinutfpr.com.br/"
```

Passo adicional 06: Carregar no Moodle:

1. Este relatório em pdf.
2. O arquivo de logs de acesso: nginx_access.log.
3. O arquivo de logs de erro: nginx_erro.log.
4. O arquivo com o histórico dos comandos executados.
5. O arquivo com o bloco de configuração do servidor.

Passo adicional 07: Mostrar o site funcionando para a professora (se possível na aula de 25 de outubro ou 27 de outubro de 2025).