

Pontifícia Universidade Católica de Minas Gerais



Redes de Computadores II

Trabalho NAT

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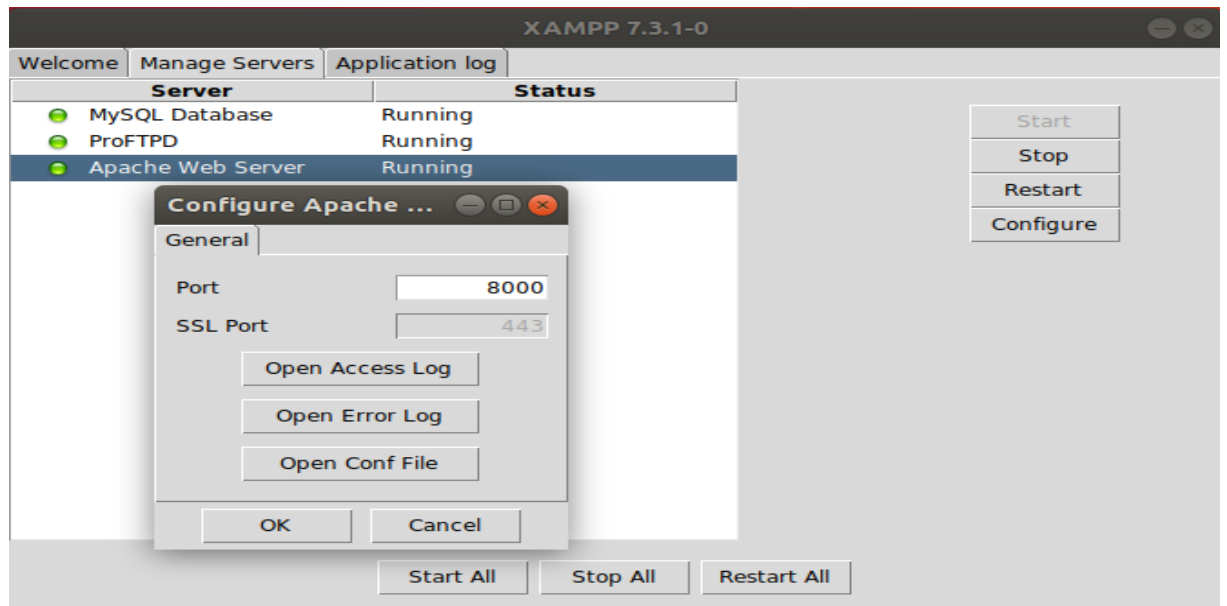
Belo Horizonte, 23 de Fevereiro de 2019

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1 Rede Local

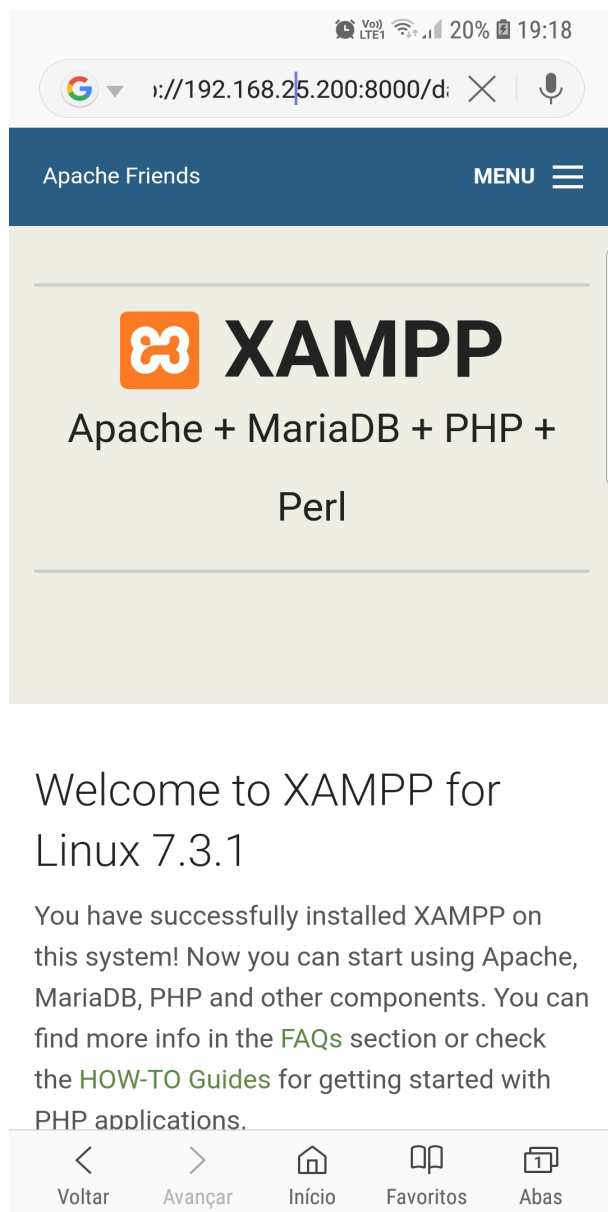
1.1 configurando o Apache com o Xampp:



1.2 Acessando localmente pelo notebook através do IP (mesma rede):



1.3 Acessando localmente pelo celular através do IP (mesma rede):



2 Redirecionamento de Porta

2.1 Reservas de IP's no DHCP:


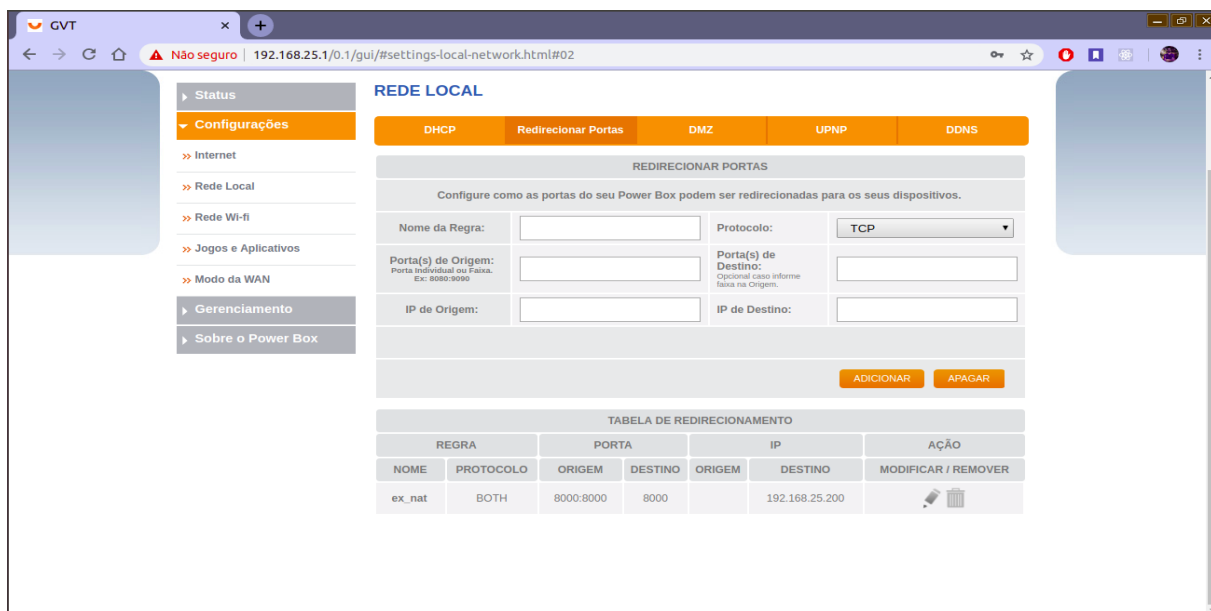
IPS RESERVADOS NO DHCP			
NOME DO DISPOSITIVO	ENDEREÇO MAC	ENDEREÇO IP	MODIFICAR / REMOVER
geovane-X555LF	9c:ad:97:ff:8c:19	192.168.25.200	 

TABELA DE CONCESSÃO DHCP			
NOME DO DISPOSITIVO	ENDEREÇO MAC	ENDEREÇO IP	TEMPO RESTANTE
geovane-X555LF	9c:ad:97:ff:8c:19	192.168.25.200	1439 min

2.2 Tabela de Redirecionamento de Portas:



REDE LOCAL

REDIRECIONAR PORTAS



Configure como as portas do seu Power Box podem ser redirecionadas para os seus dispositivos.

Nome da Regra: Protocolo: **TCP**

Porta(s) de Origem: Porta(s) de Destino:

IP de Origem: IP de Destino:

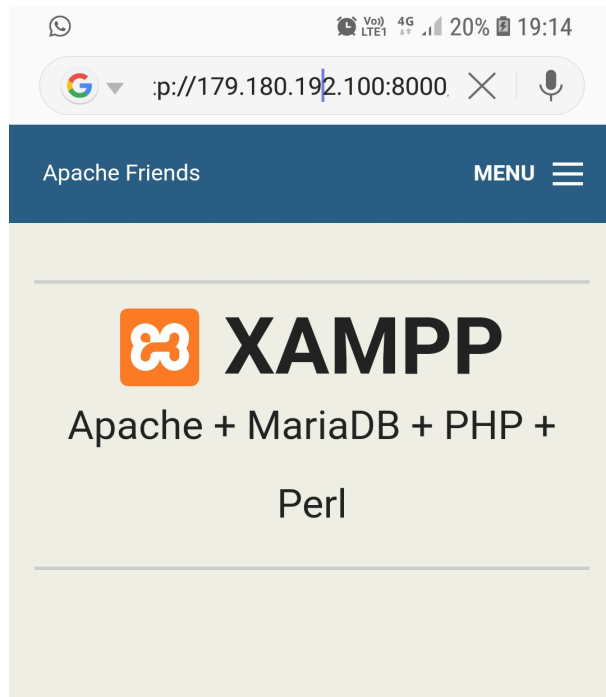
TABELA DE REDIRECIONAMENTO

REGRA		PORTA		IP		AÇÃO
NOME	PROTOCOLO	ORIGEM	DESTINO	ORIGEM	DESTINO	MODIFICAR / REMOVER
ex_nat	BOTH	8000:8000	8000		192.168.25.200	 

2.3 Meu IP externo:

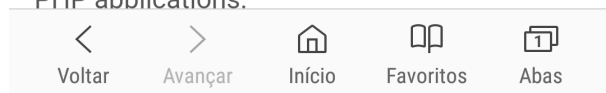


2.4 Acessando externamente pelo celular através do IP (redes diferentes):



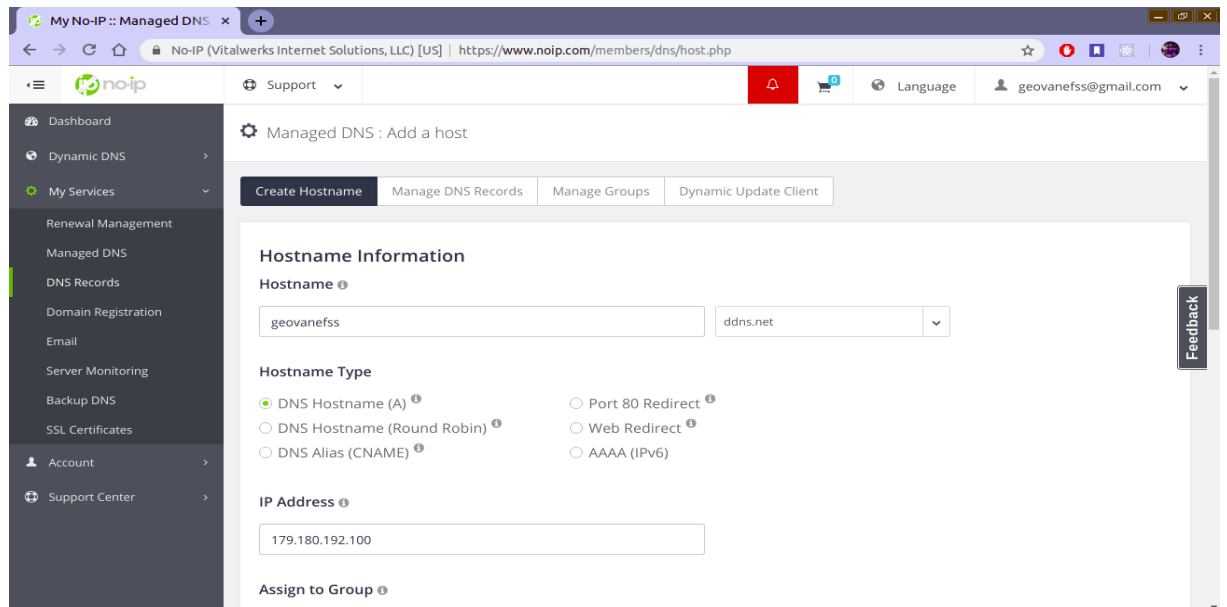
Welcome to XAMPP for Linux 7.3.1

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the [FAQs](#) section or check the [HOW-TO Guides](#) for getting started with PHP applications.



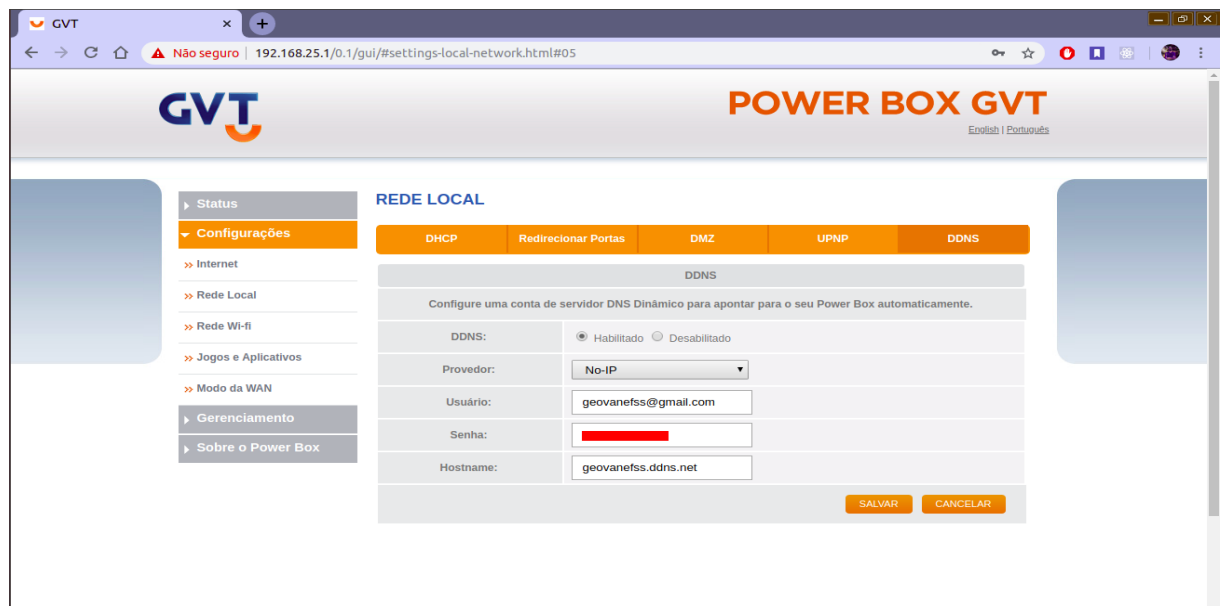
3 DNS dinâmico usando NOIP

3.1 Configuração do NOIP (site):



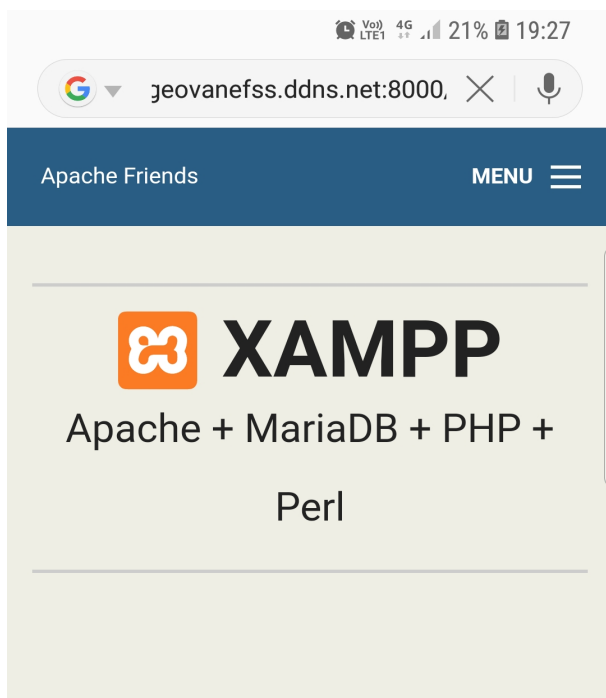
The screenshot shows the NOIP Managed DNS interface. The left sidebar contains navigation links: Dashboard, Dynamic DNS, My Services, Renewal Management, Managed DNS, DNS Records, Domain Registration, Email, Server Monitoring, Backup DNS, SSL Certificates, Account, and Support Center. The main content area is titled 'Managed DNS : Add a host' and includes tabs for 'Create Hostname', 'Manage DNS Records', 'Manage Groups', and 'Dynamic Update Client'. The 'Create Hostname' tab is active, showing the 'Hostname Information' section. The 'Hostname' field contains 'geovaneffs' and the 'Domain' dropdown is set to 'ddns.net'. The 'Hostname Type' section has five radio button options: 'DNS Hostname (A)' (selected), 'DNS Hostname (Round Robin)', 'DNS Alias (CNAME)', 'Port 80 Redirect', 'Web Redirect', and 'AAAA (IPv6)'. The 'IP Address' field contains '179.180.192.100'. There is an 'Assign to Group' link at the bottom.

3.2 Configuração do NOIP (roteador):



The screenshot shows the GVT Power Box GVT router configuration interface. The left sidebar contains navigation links: Status, Configurações, Internet, Rede Local, Rede Wi-fi, Jogos e Aplicativos, Modo da WAN, Gerenciamento, and Sobre o Power Box. The 'Configurações' link is selected. The main content area is titled 'REDE LOCAL' and includes tabs for 'DHCP', 'Redirecionar Portas', 'DMZ', 'UPNP', and 'DDNS'. The 'DDNS' tab is active, showing the 'Configure uma conta de servidor DNS Dinâmico para apontar para o seu Power Box automaticamente.' section. The 'DDNS' section has a 'Habilitado' radio button selected. The 'Provedor' dropdown is set to 'No-IP'. The 'Usuário' field contains 'geovaneffs@gmail.com', the 'Senha' field is masked with red dots, and the 'Hostname' field contains 'geovaneffs.ddns.net'. There are 'SALVAR' and 'CANCELAR' buttons at the bottom right.

3.3 Acessando externamente pelo celular através do HOST (redes diferentes):



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Linux 7.3.1

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