

INSTALAÇÃO E CONFIGURAÇÃO DE SERVIÇOS NO WINDOWS SERVER 2008

CONFIGURAÇÃO PARA INGRESSAR WINDOWS XP NO DOMÍNIO

Este manual explica, passo a passo, a criação de um domínio (exemplo.com.br) no Windows Server 2008, bem como a instalação e configuração de outros serviços importantes em uma rede, e como ingressar uma máquina com Windows XP nesse domínio. A rede e as duas máquinas foram virtualizadas no VirtualBox.

Os seguintes serviços serão instalados e configurados no Windows Server:

- Controlador de Domínio (Active Directory)
- DNS
- DHCP
- Roteador

Procedimento:

Informações das máquinas da rede	02
1.0 Remover o Controlador de Domínio pré-instalado	03
2.0 Configurar as placas de rede	12
3.0 Instalar o Controlador de Domínio, o DNS e criar o domínio	16
3.1 Criar usuário no domínio	37
4.0 Configurar o DNS	43
5.0 Instalar e configurar o DHCP	60
6.0 Desativar o ICS; instalar e configurar o roteador	97
7.0 Ingressar o Windows XP no domínio	113

INFORMAÇÕES DAS MÁQUINAS DA REDE

Servidor:

- 2 GB memória RAM, 25 GB HD, Intel Core i5 (processador hospedeiro)
- Windows 2008 Server, Standard Edition, SP1, 32 bits
- Duas placas de rede:
 - Adaptador 1 – Placa em modo Bridge (wlan0) – recebe a internet do computador hospedeiro (rede 192.168.10.0)
 - Adaptador 2 – Rede Interna (intnet) – distribui a internet do servidor aos demais computadores da rede interna, virtualizada (192.168.1.0)
- Hostname: IFSP2019
- Conta principal: Administrador

Cliente:

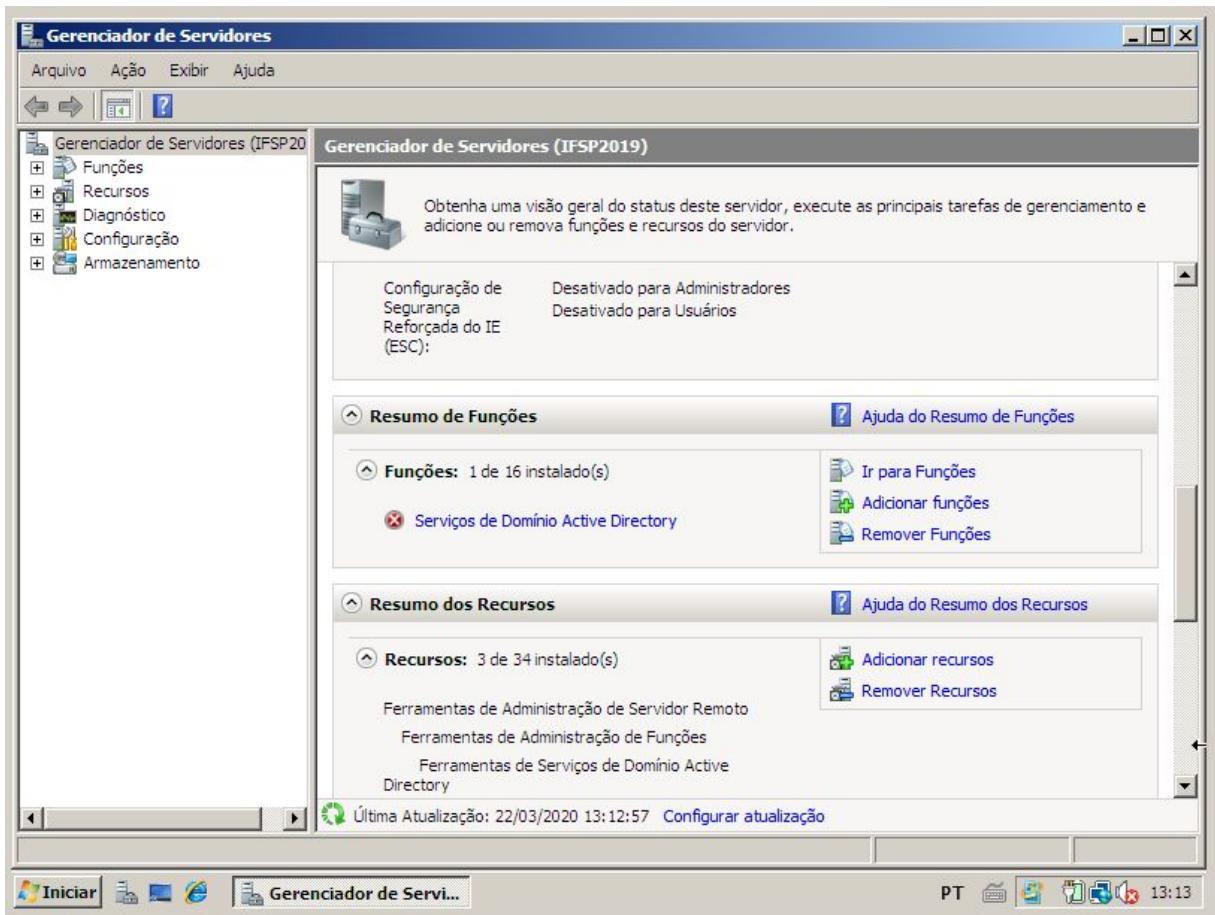
- 1 GB memória RAM, 10 GB HD, Intel Core i5 (processador hospedeiro)
- Windows XP, Professional, SP3, 32 bits
- Uma placa de rede:
 - Adaptador 1 – Rede Interna (intnet) – recebe a internet do **Servidor** (rede 192.168.1.0)
- Hostname: lab-xx
- Conta principal: aluno
- Domínio inicial: ifsp.local

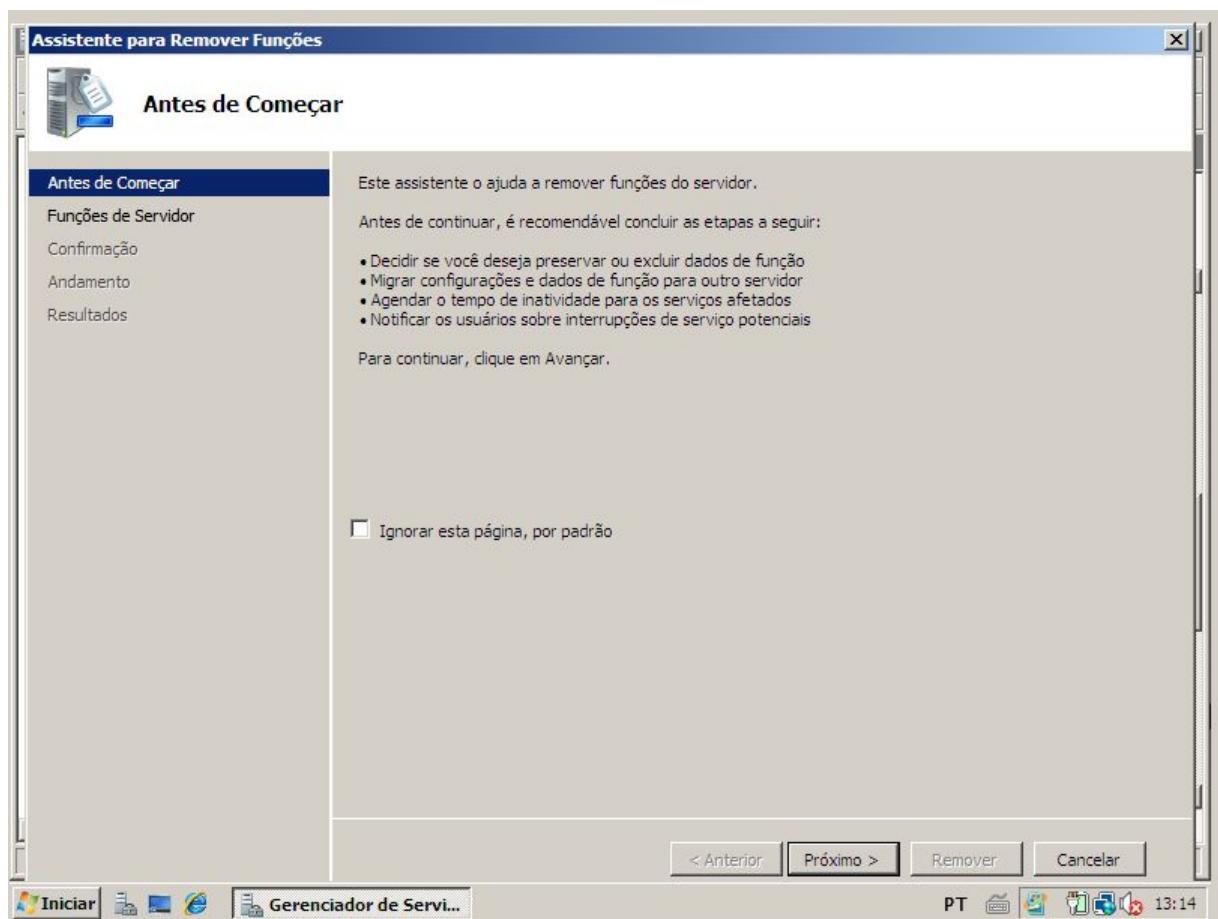
Aviso importante: Antes de continuar, verifique se “as atualizações de segurança mais recentes do Windows Update estão instaladas” no seu servidor.

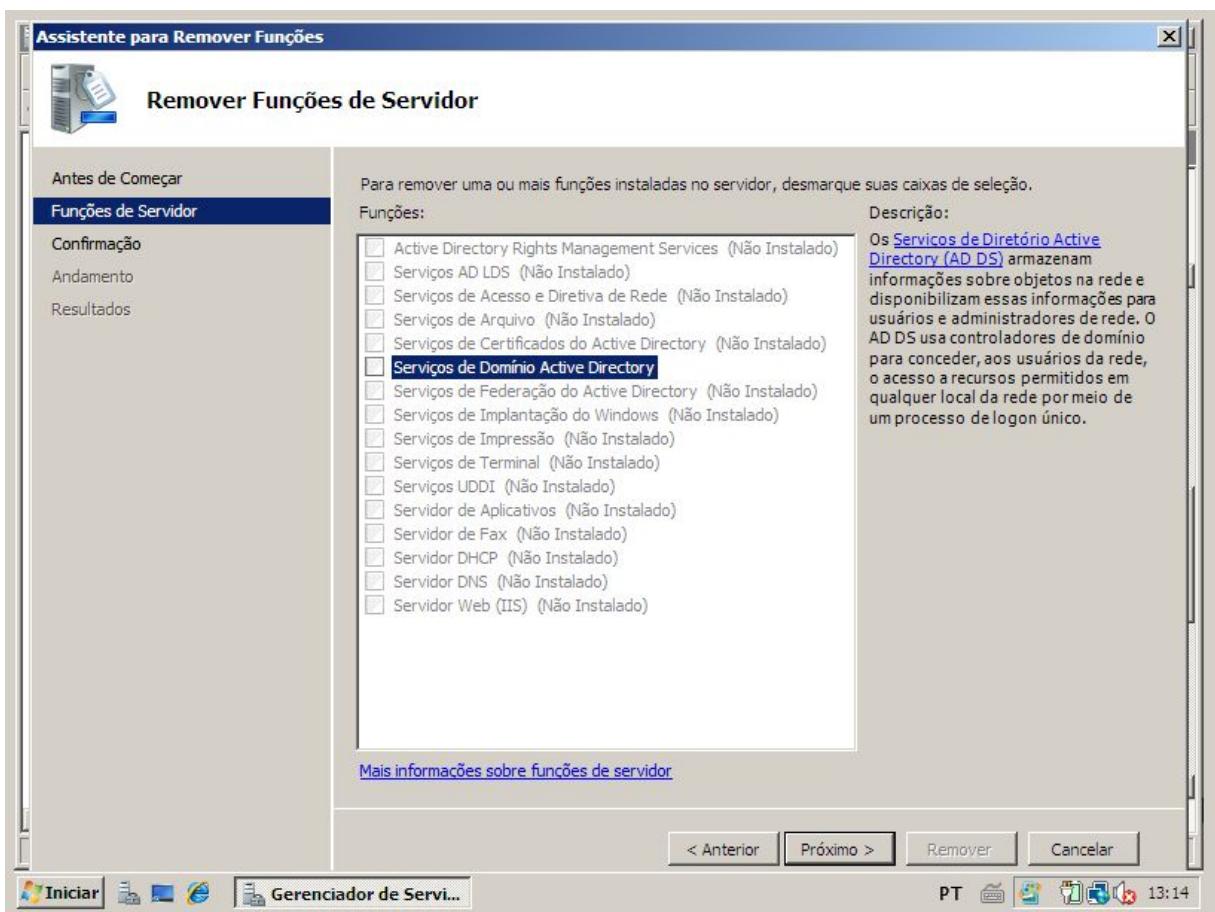
1.0 REMOVER O CONTROLADOR DE DOMÍNIO PRÉ-INSTALADO

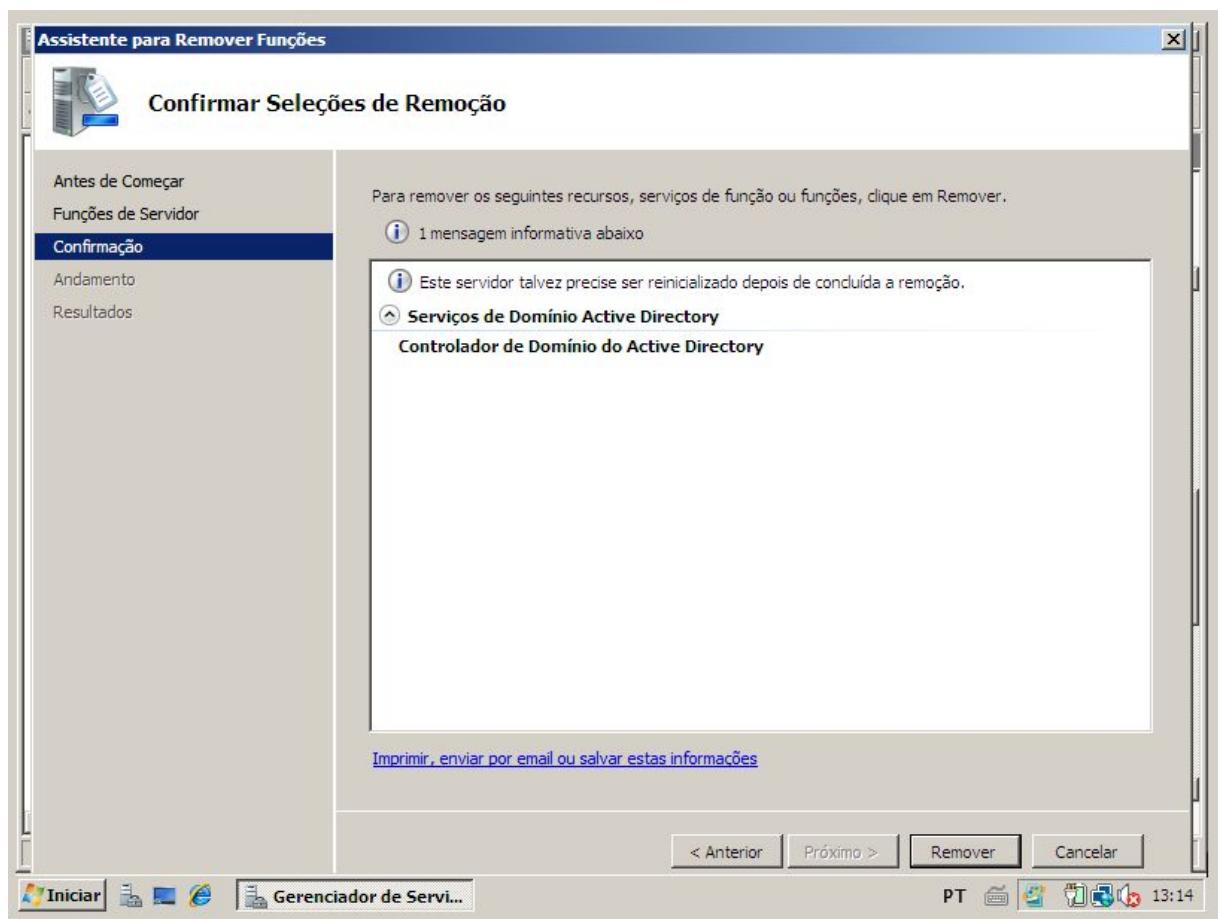
O ambiente utilizado no servidor já veio com um Controlador de Domínio instalado e configurado. Antes de criarmos nosso domínio (exemplo.com.br), vamos desinstalar esse Controlador de Domínio.

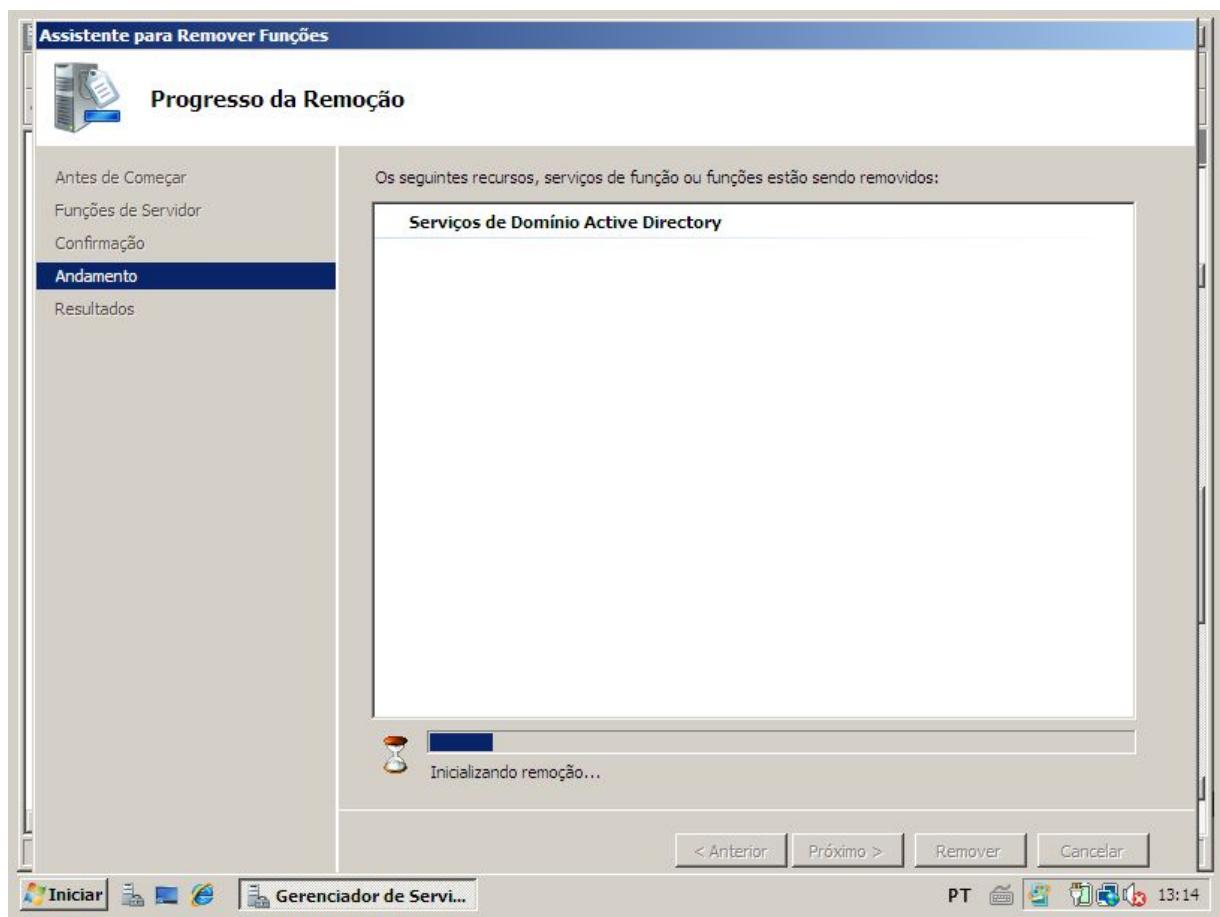
Isso é feito pelo *Gerenciador de Servidores* (Iniciar > Ferramentas Administrativas > Gerenciador de Servidores).

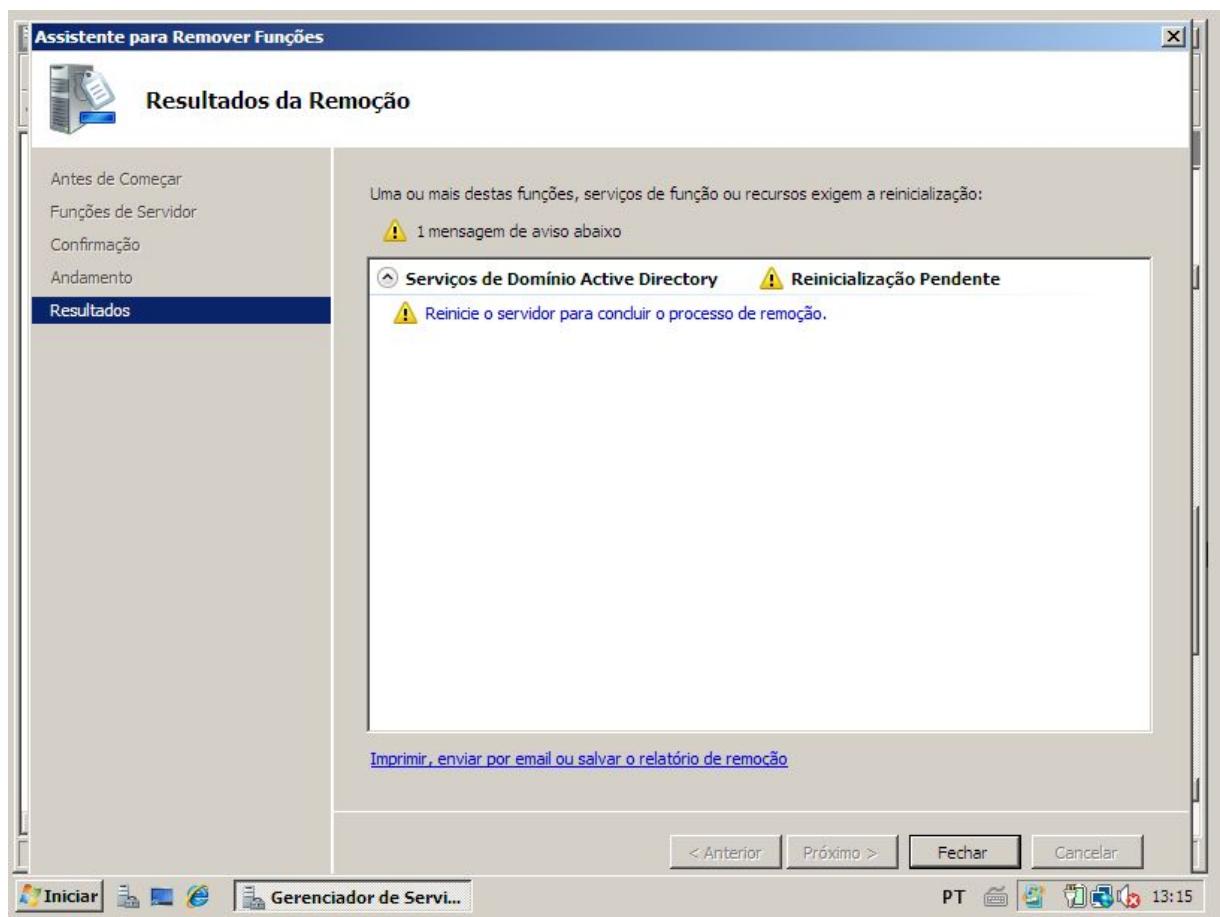


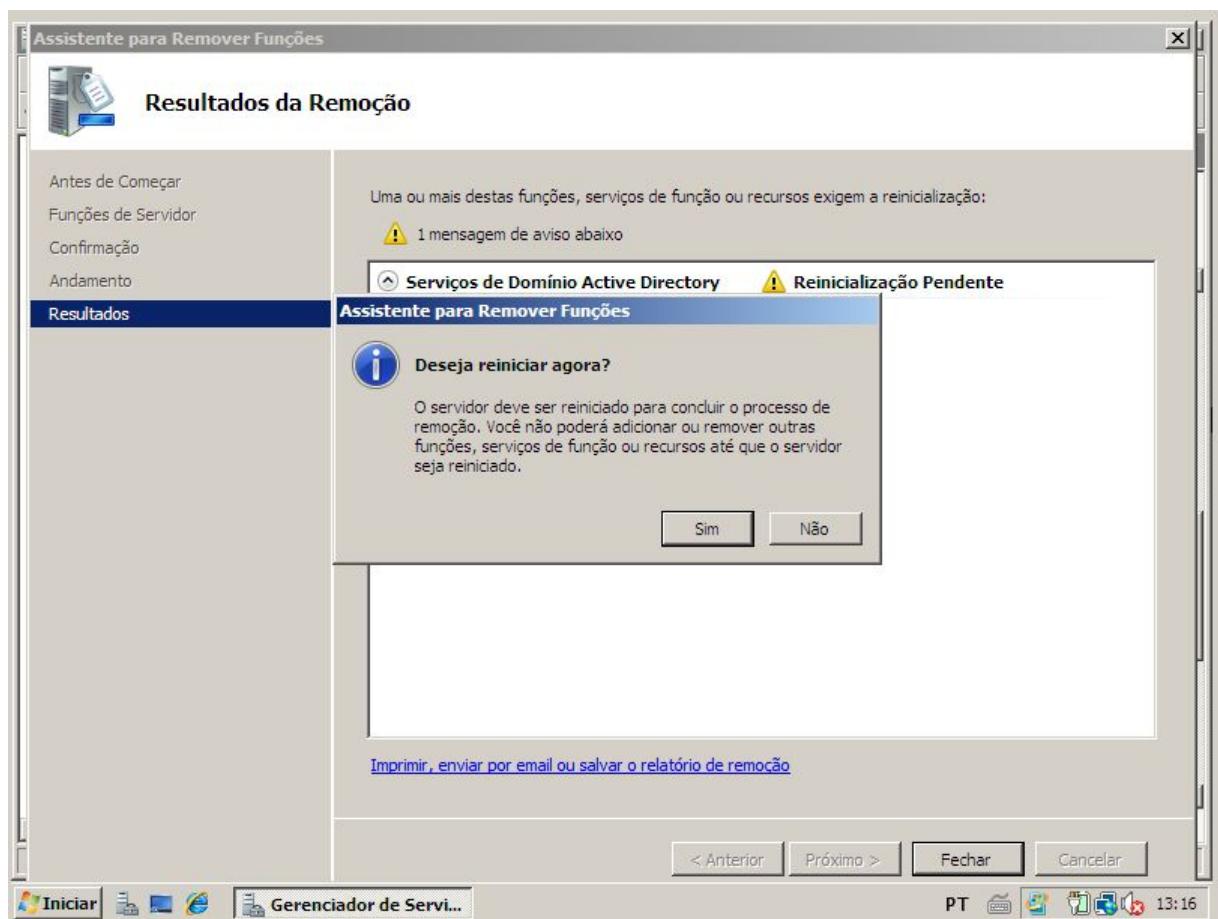


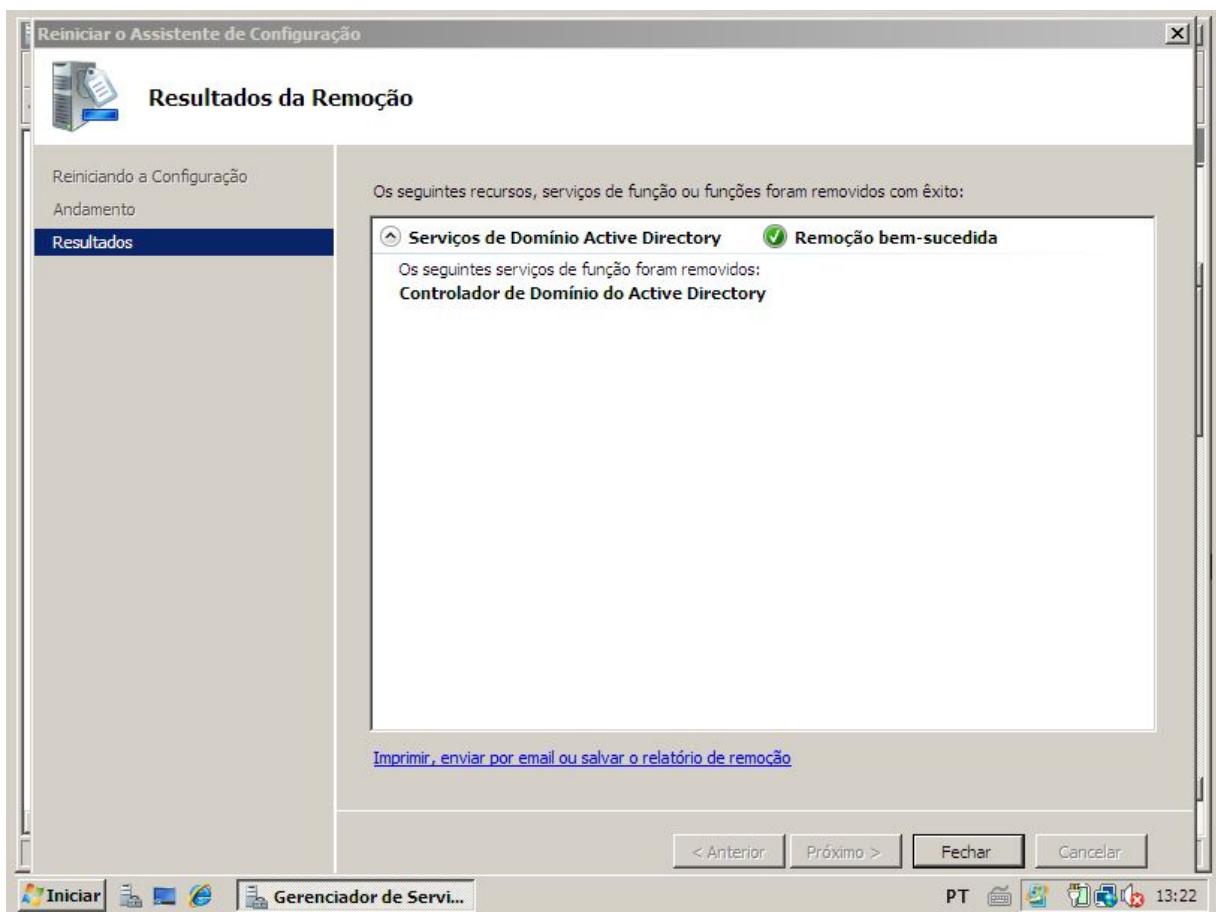












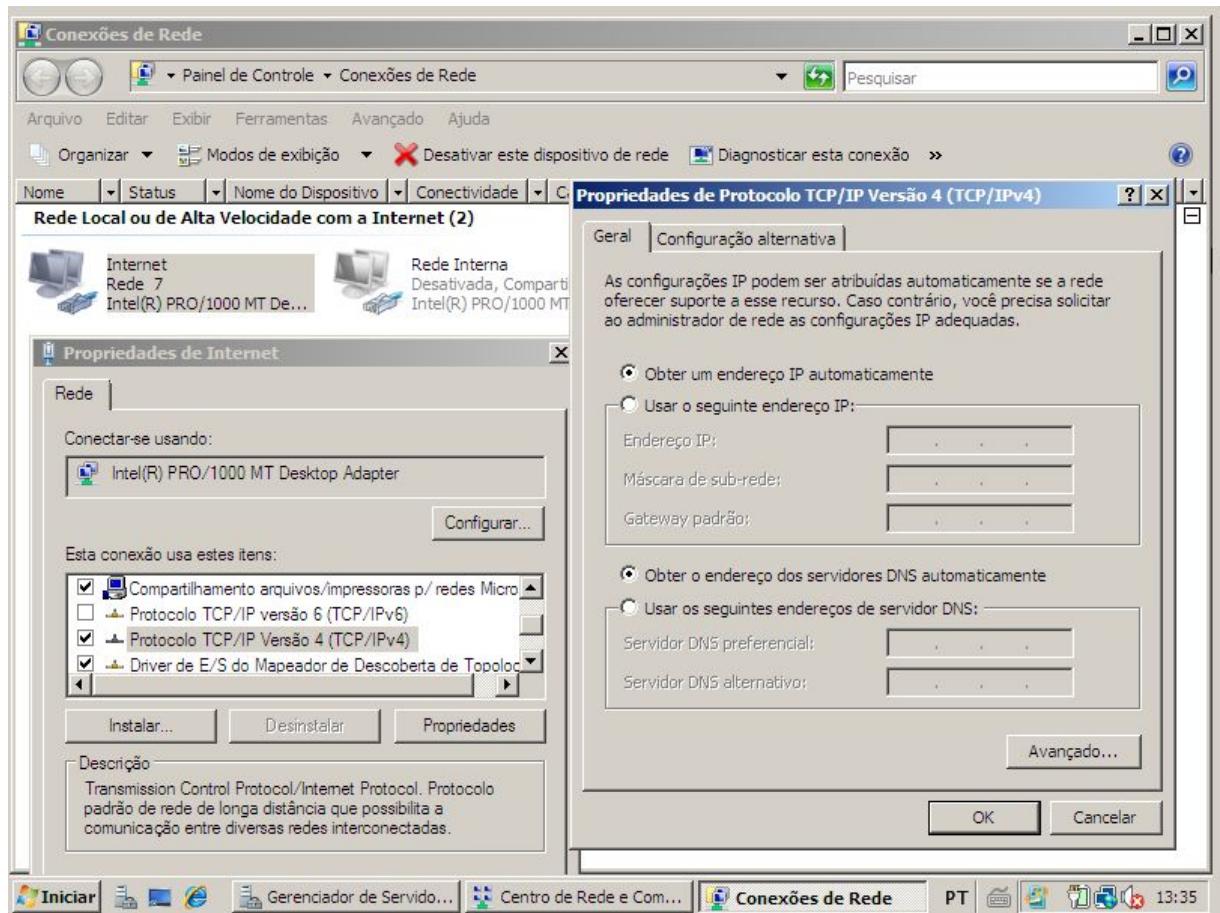
2.0 CONFIGURAR AS PLACAS DE REDE

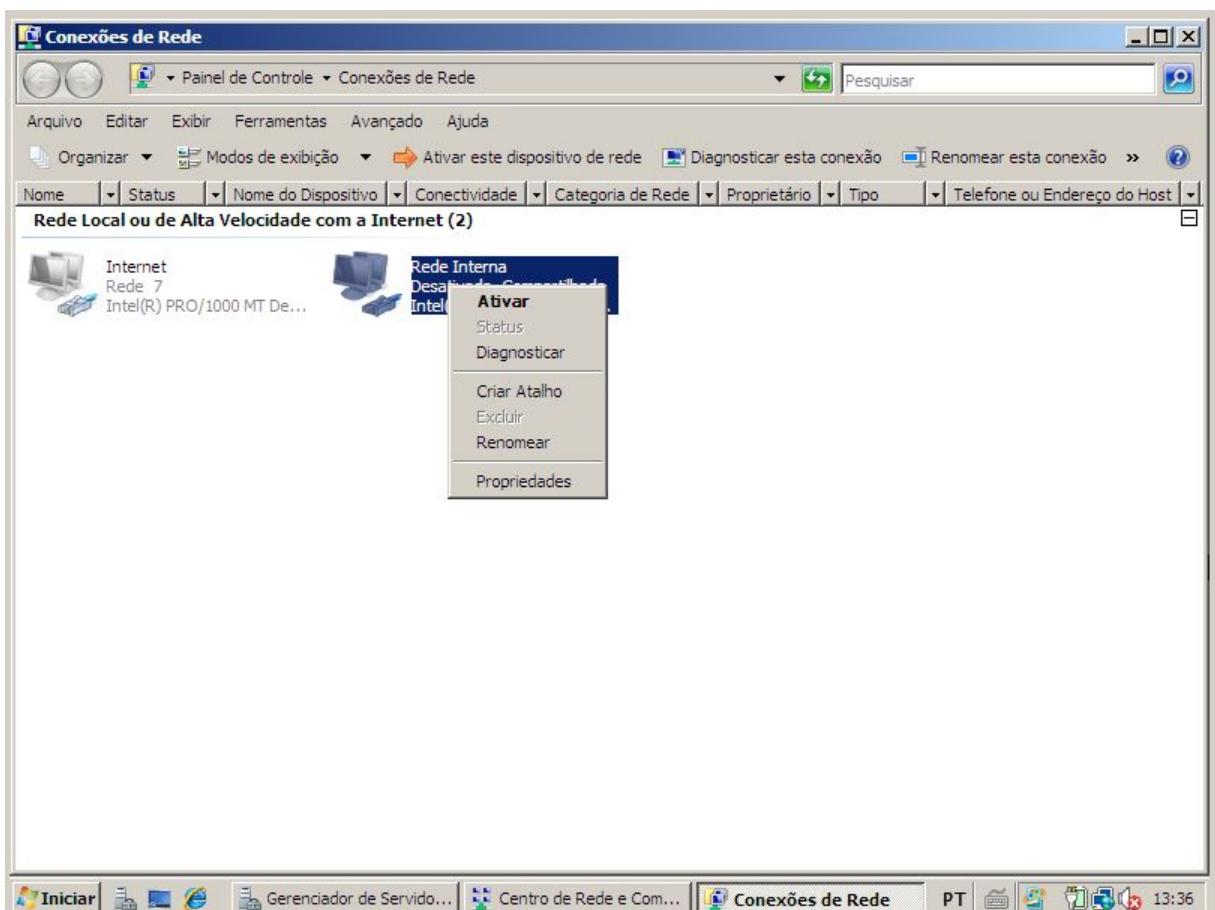
Depois de desinstalar o Controlador de Domínio, precisamos configurar as placas de rede do servidor.

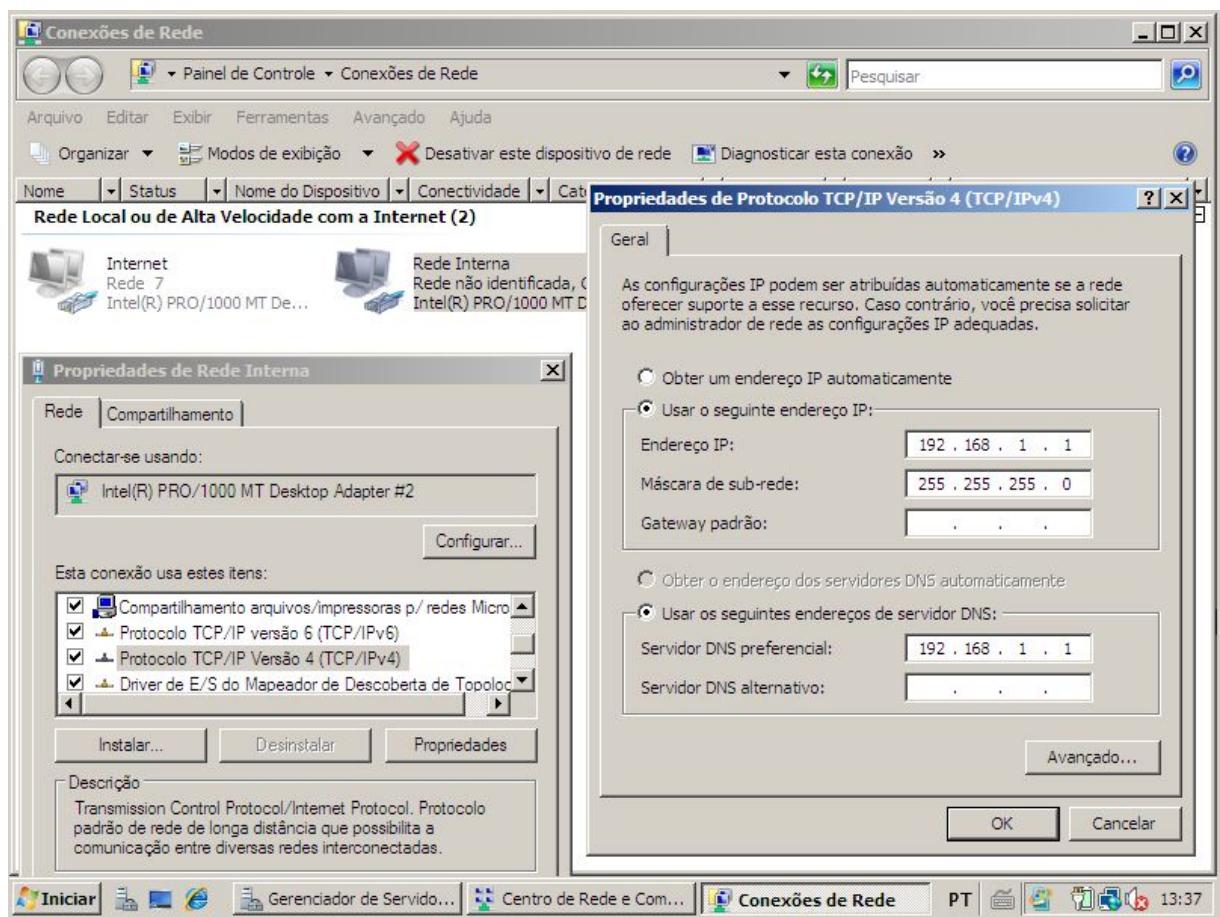
O adaptador 1 (Internet) deve estar configurado para receber endereço IP dinamicamente do provedor de internet (um modem de banda larga ou, **no nosso caso**, a rede do computador hospedeiro).

O adaptador 2 (Rede Interna) deve estar ativado e configurado com um IP estático, pois será o *gateway* da rede interna; o endereço IP do *Servidor DNS Preferencial* deverá ser o mesmo, já que este servidor também disponibilizará o DNS à rede. Usaremos o IP 192.168.1.1.

Essas configurações são feitas acessando as *Propriedades* das placas de rede acessadas, por sua vez, em *Coneções de Rede* (Iniciar > Painel de Controle > Centro de Rede e Compartilhamento > Gerenciar conexões de rede).

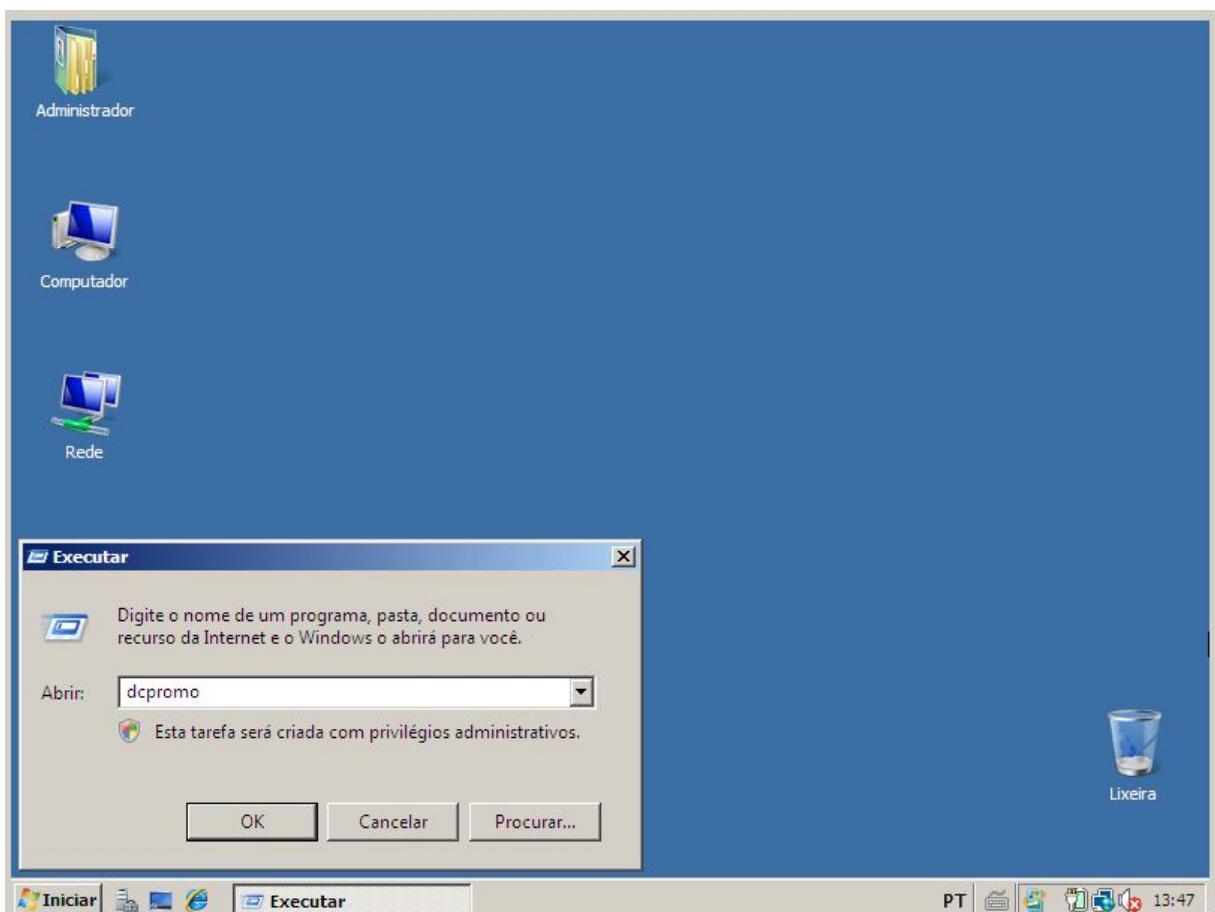


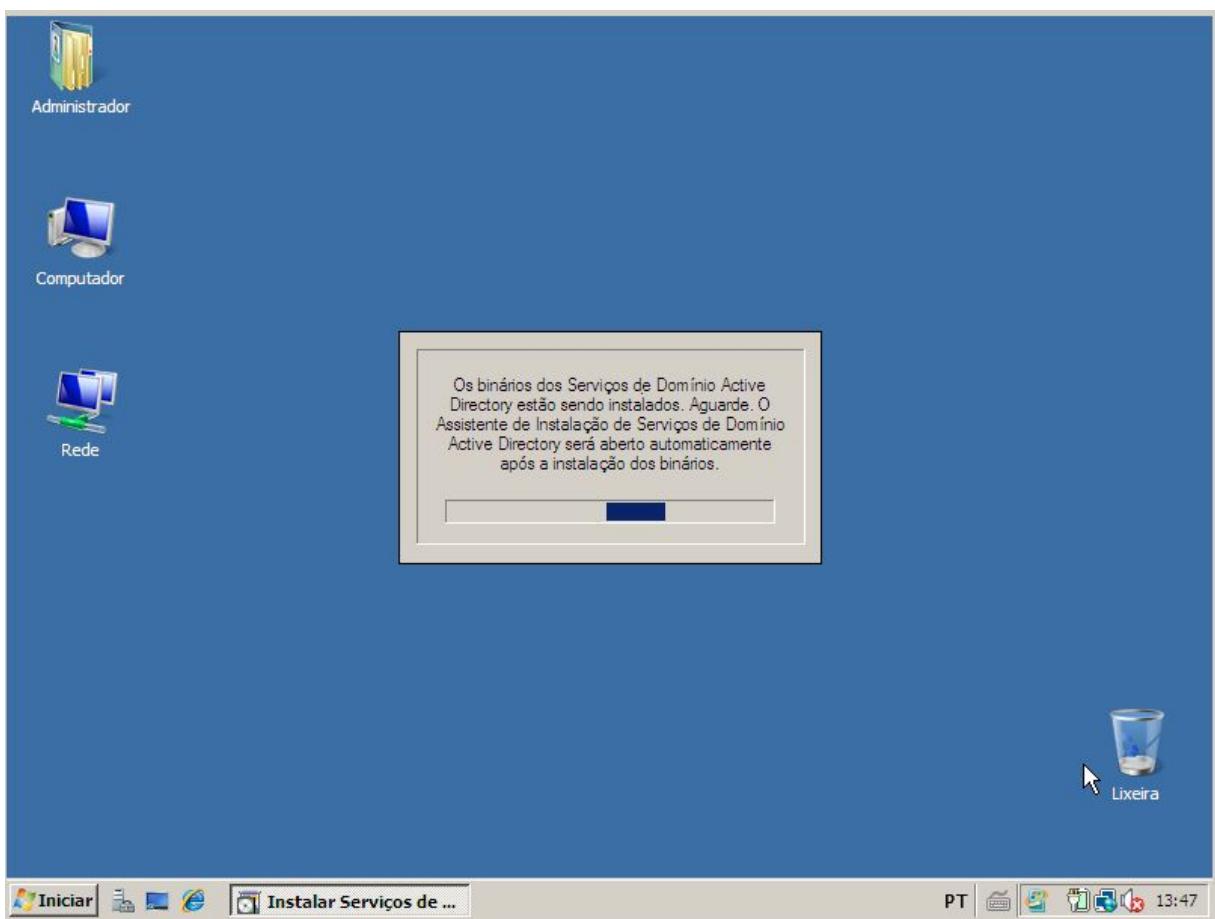


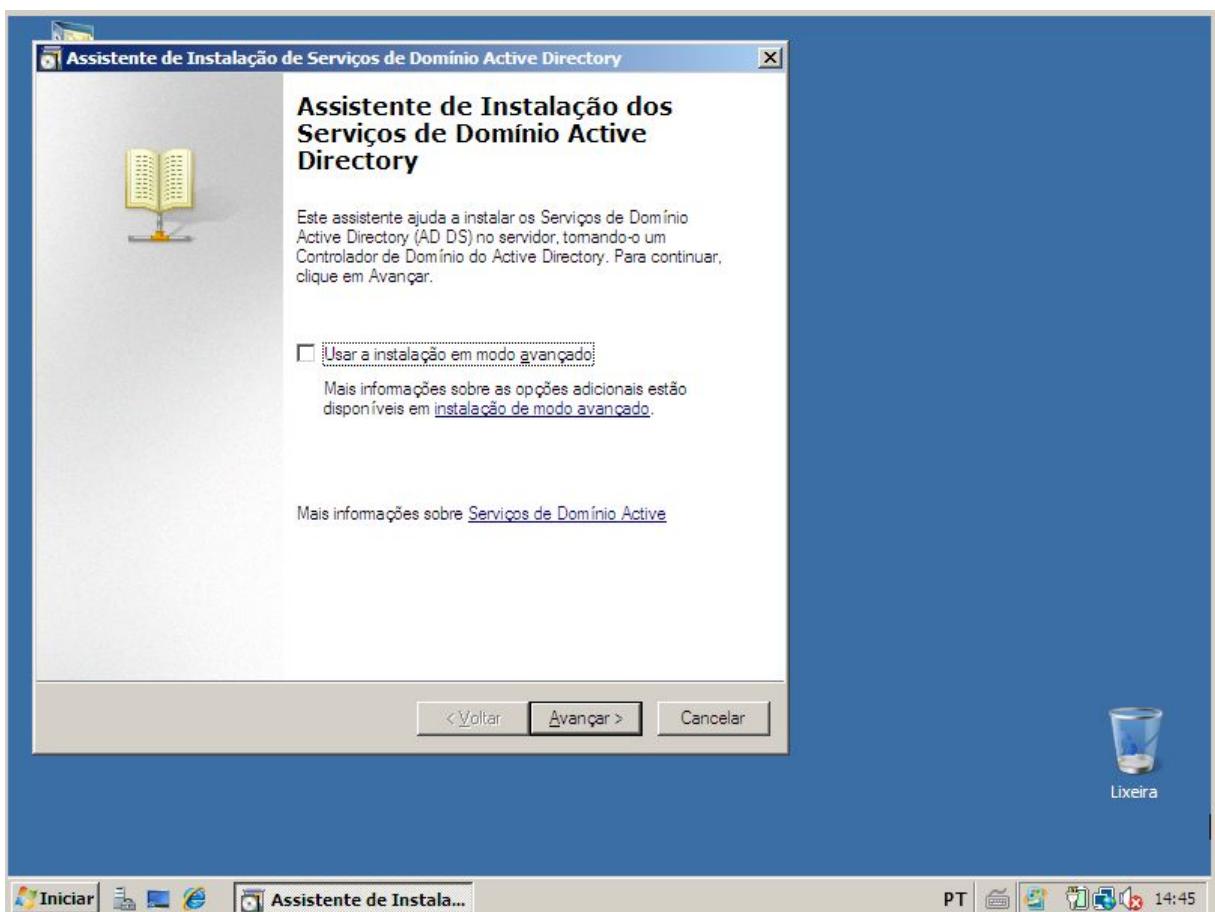


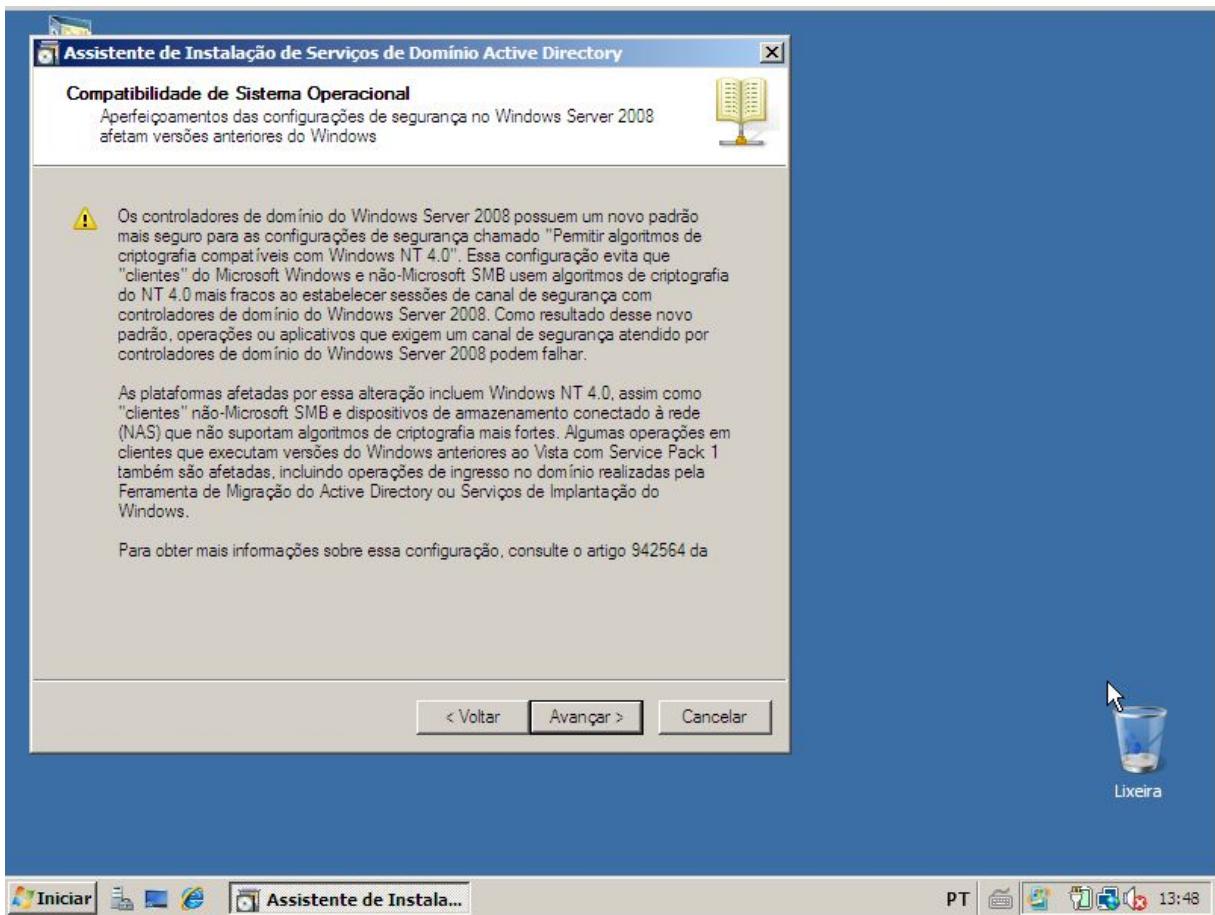
3.0 INSTALAR O CONTROLADOR DE DOMÍNIO, O DNS E CRIAR O DOMÍNIO exemplo.com.br

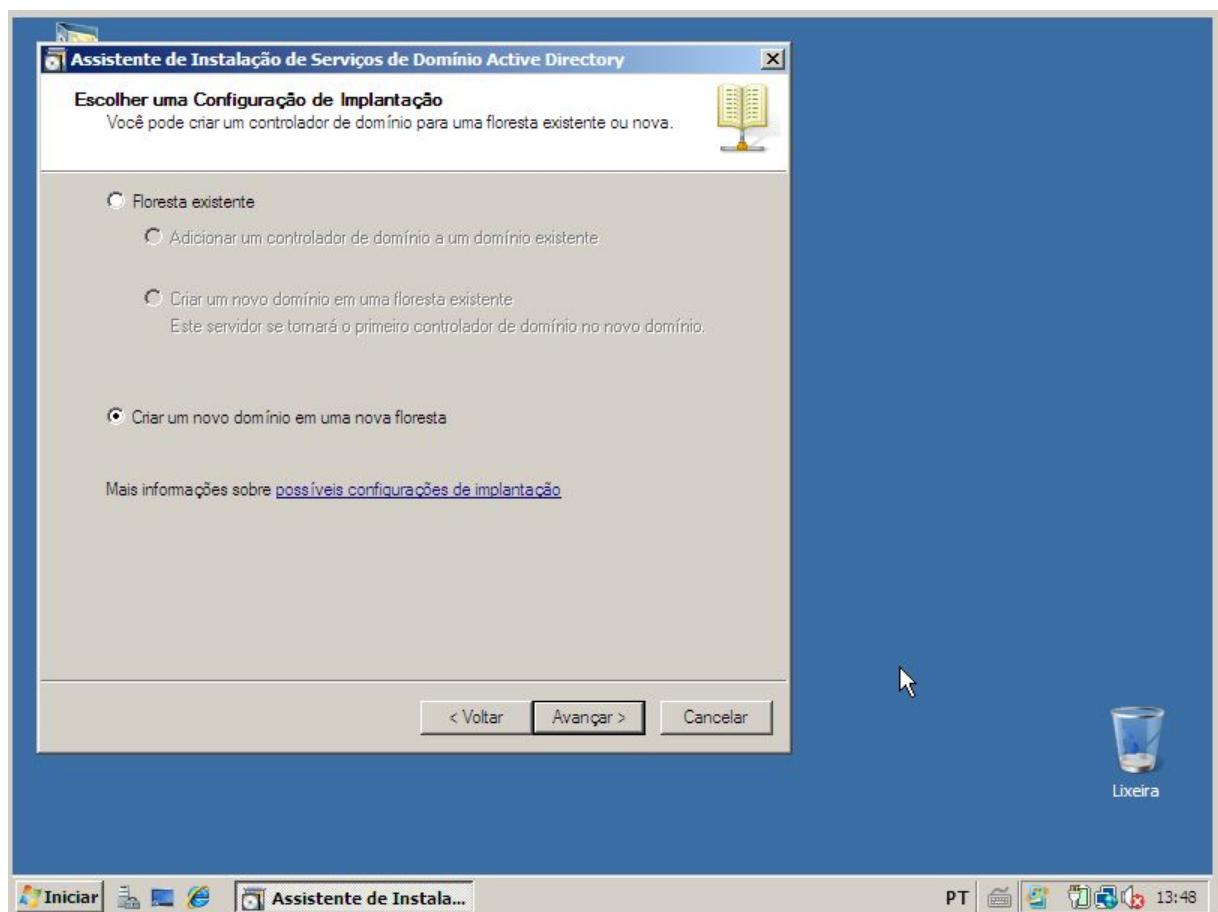
Em seguida, podemos instalar e configurar o Controlador de Domínio e criar nosso próprio domínio, através do comando *dcpromo* (Iniciar > Executar... > *dcpromo*).

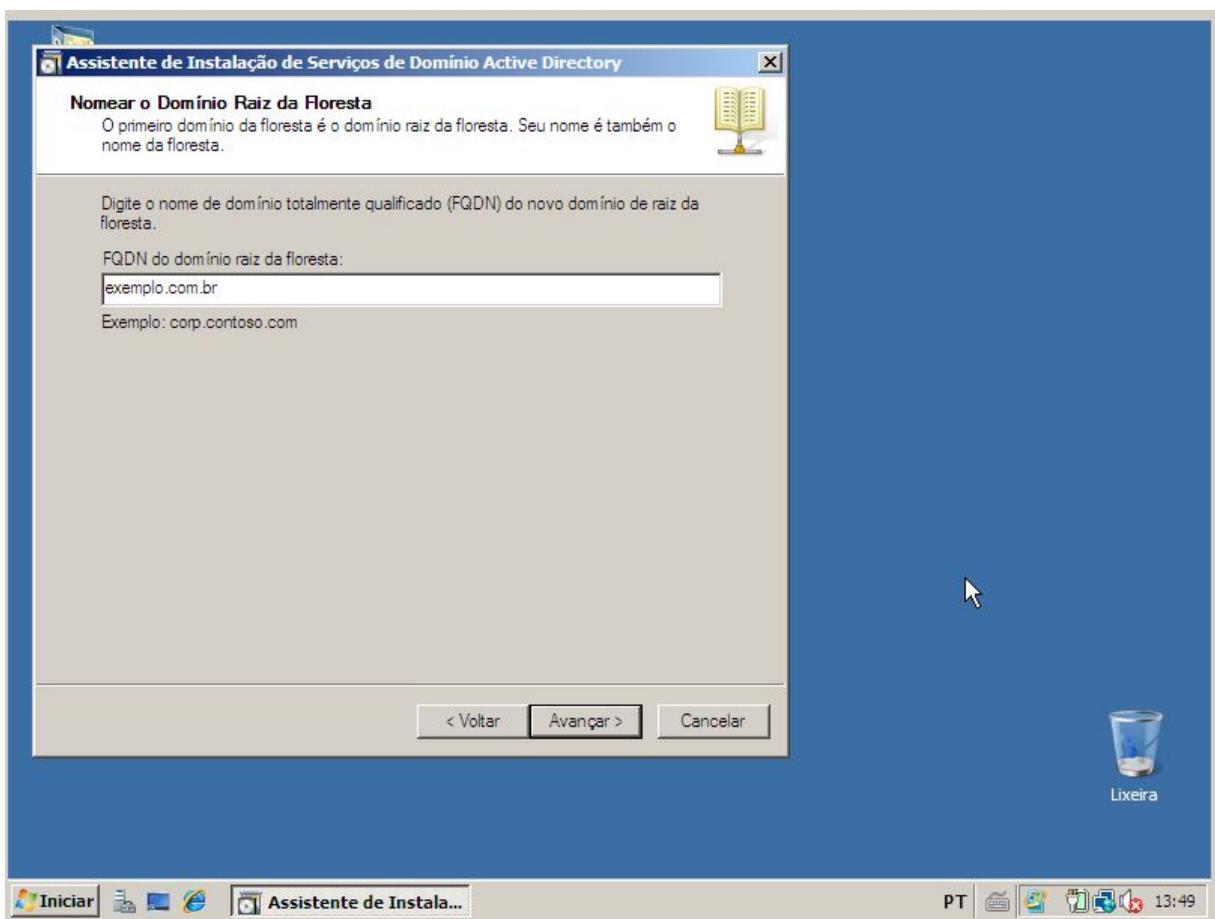


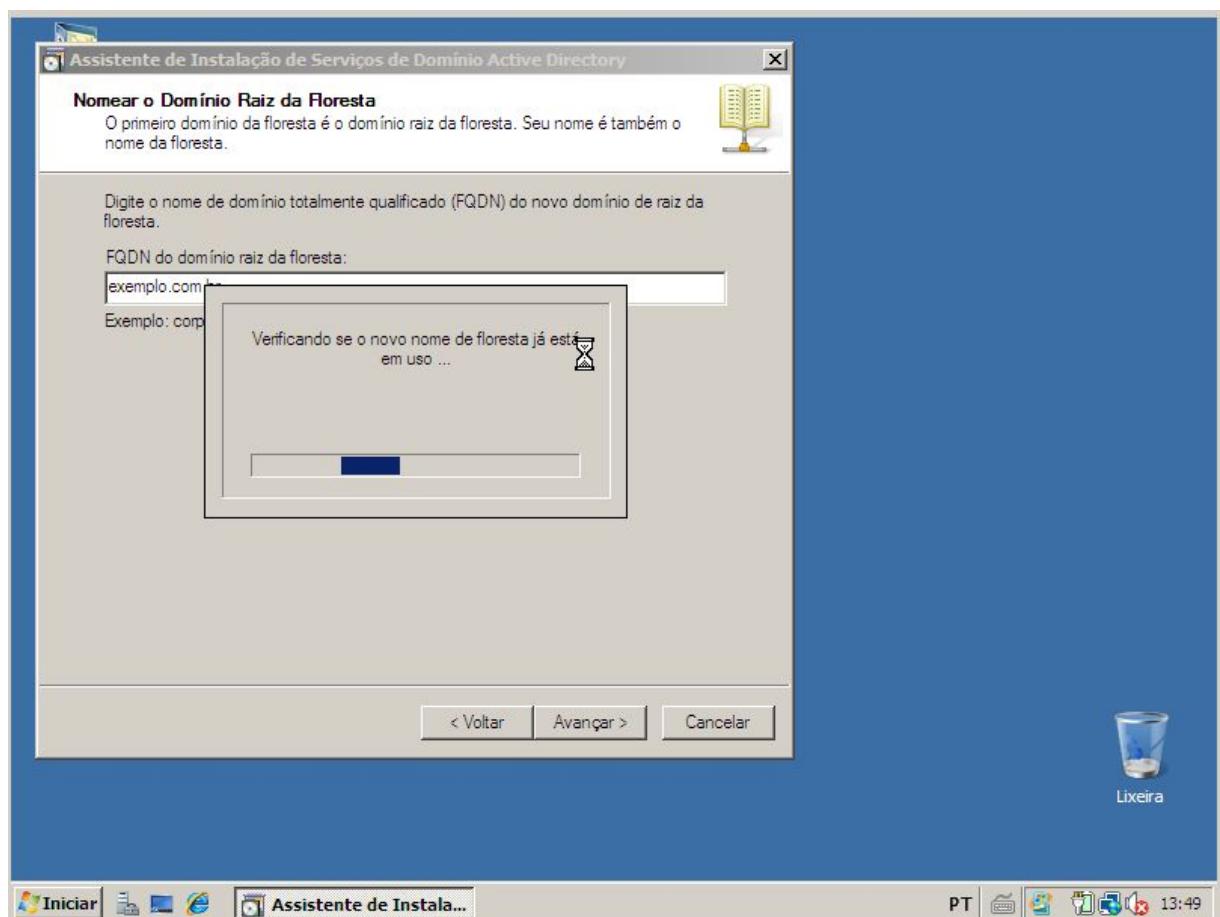


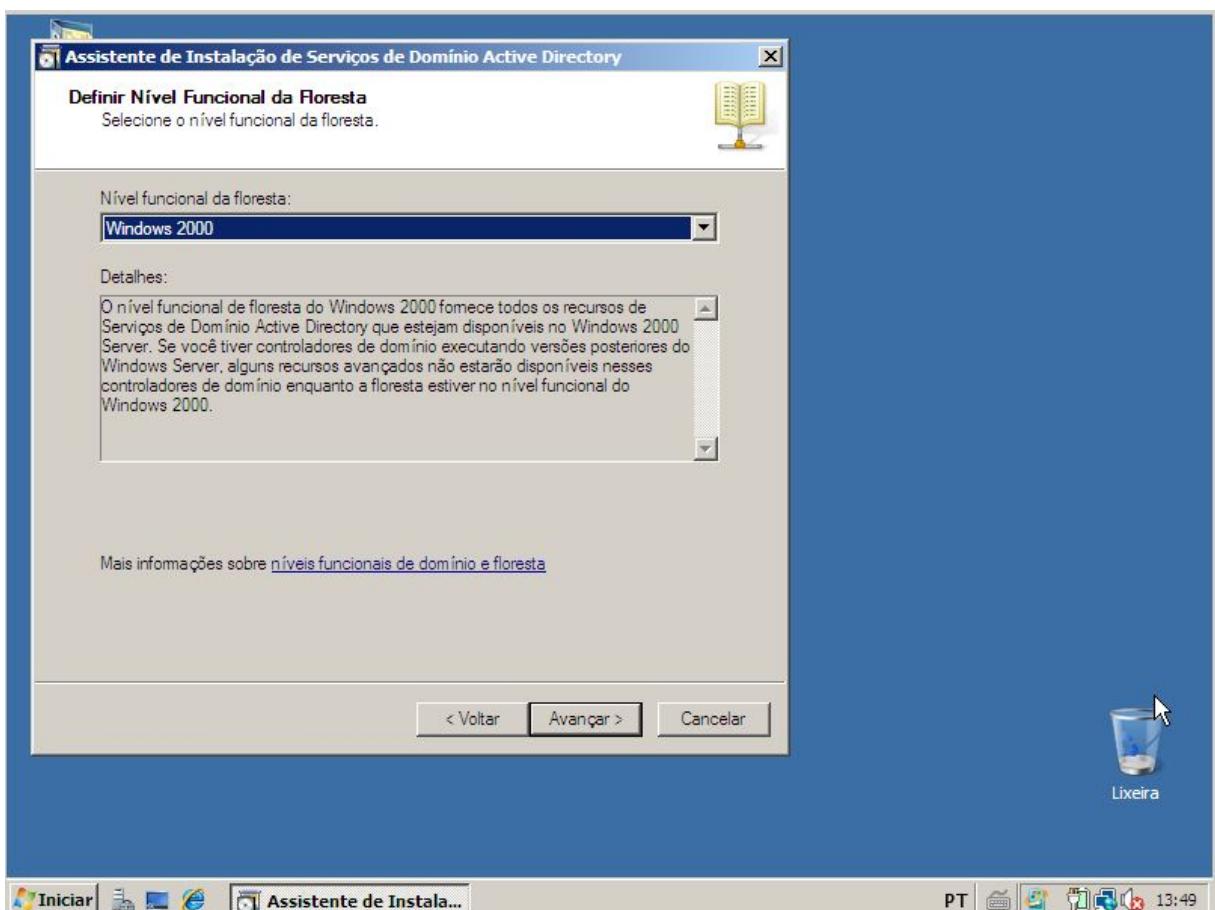


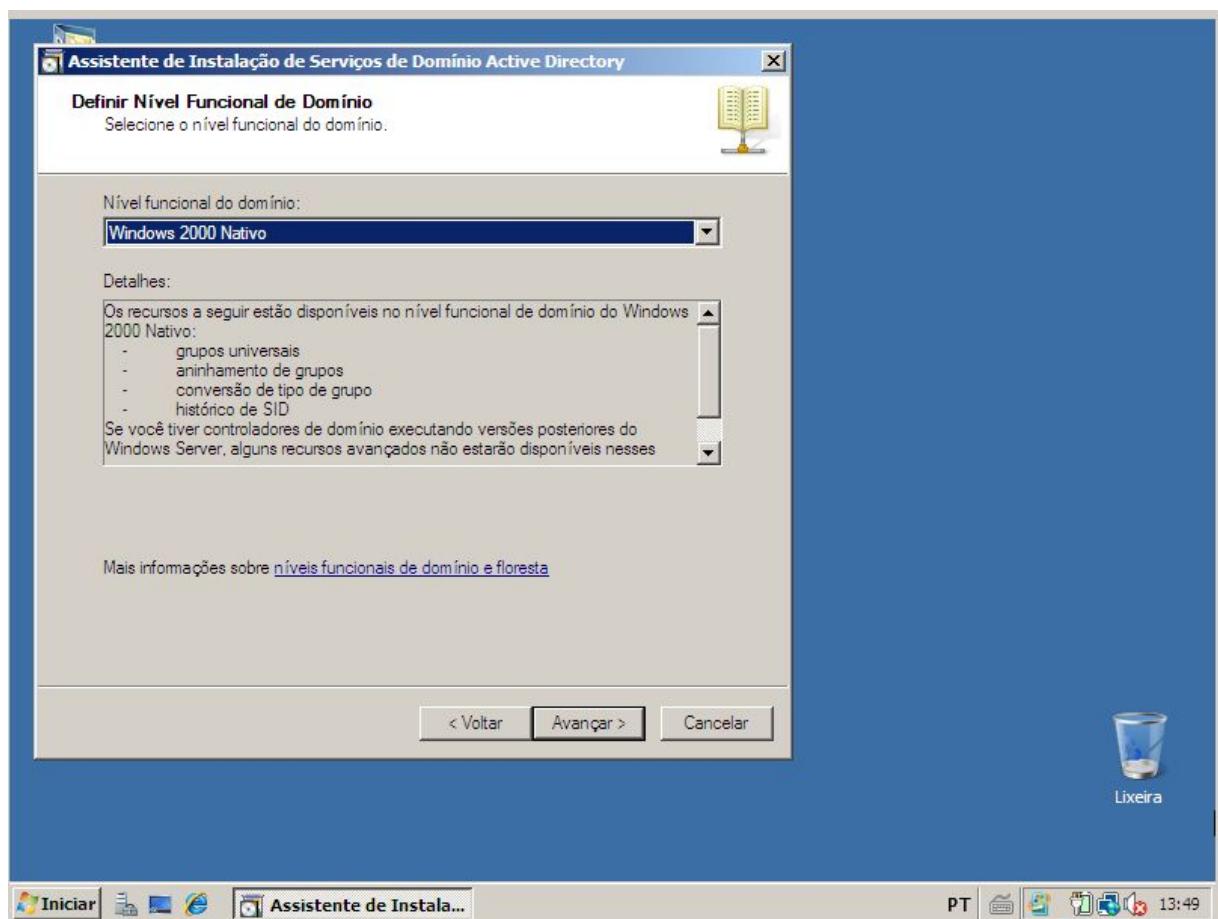


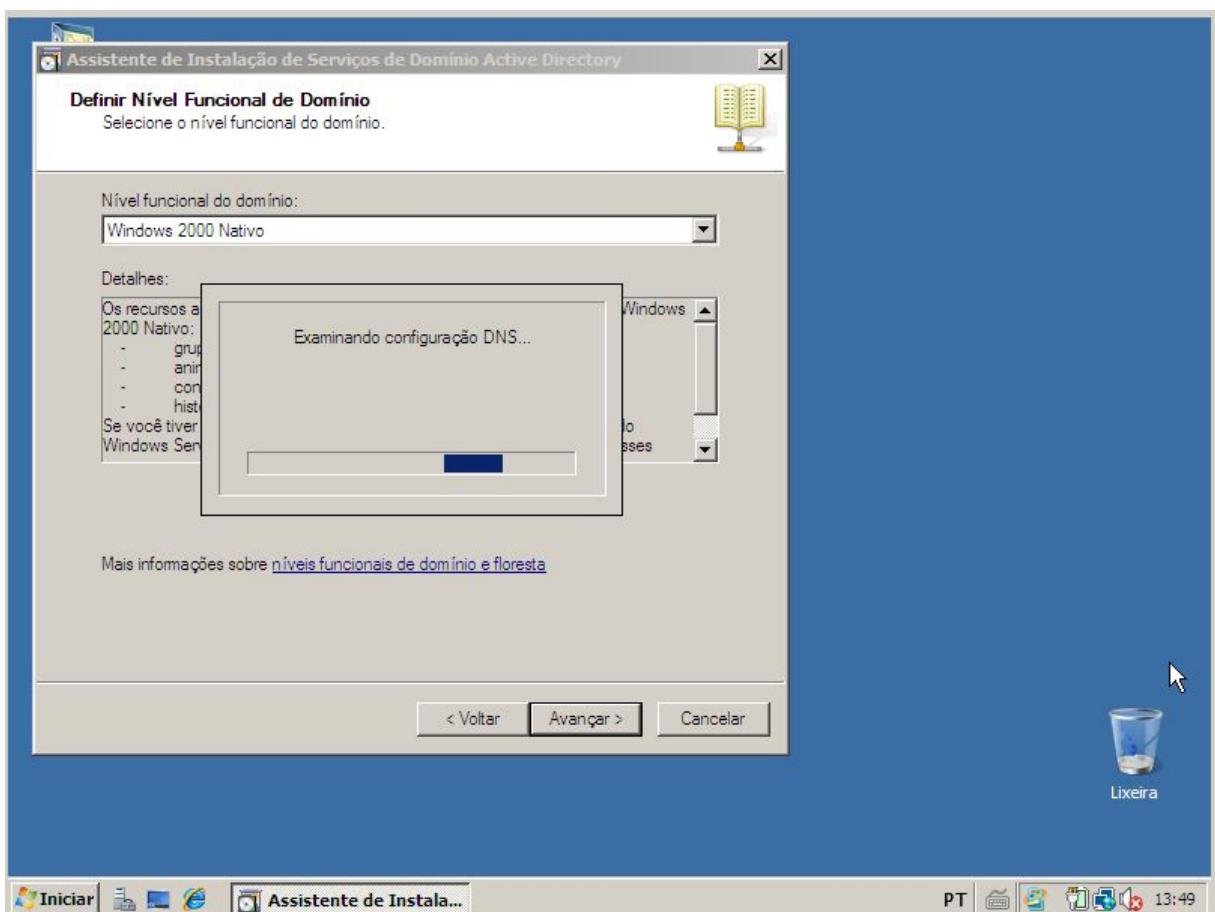


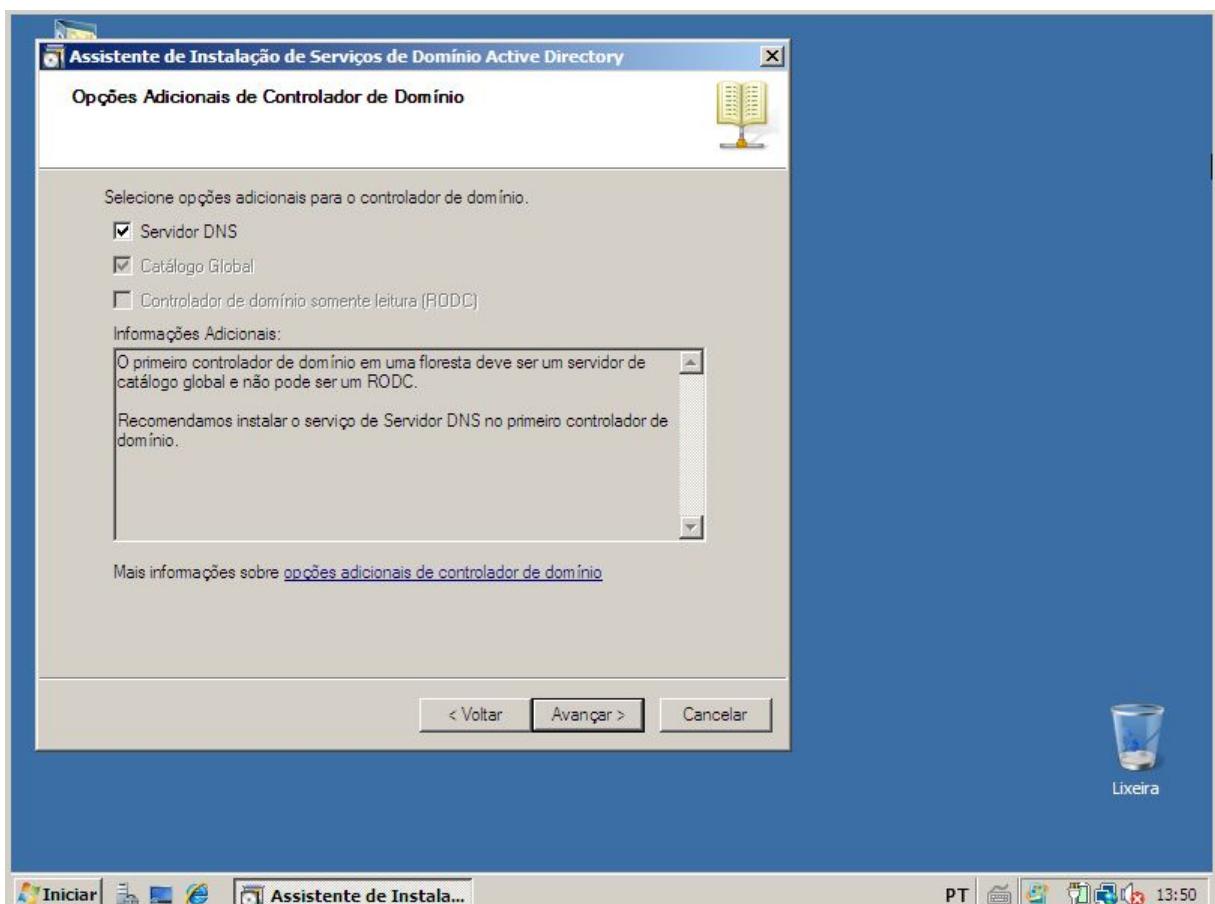


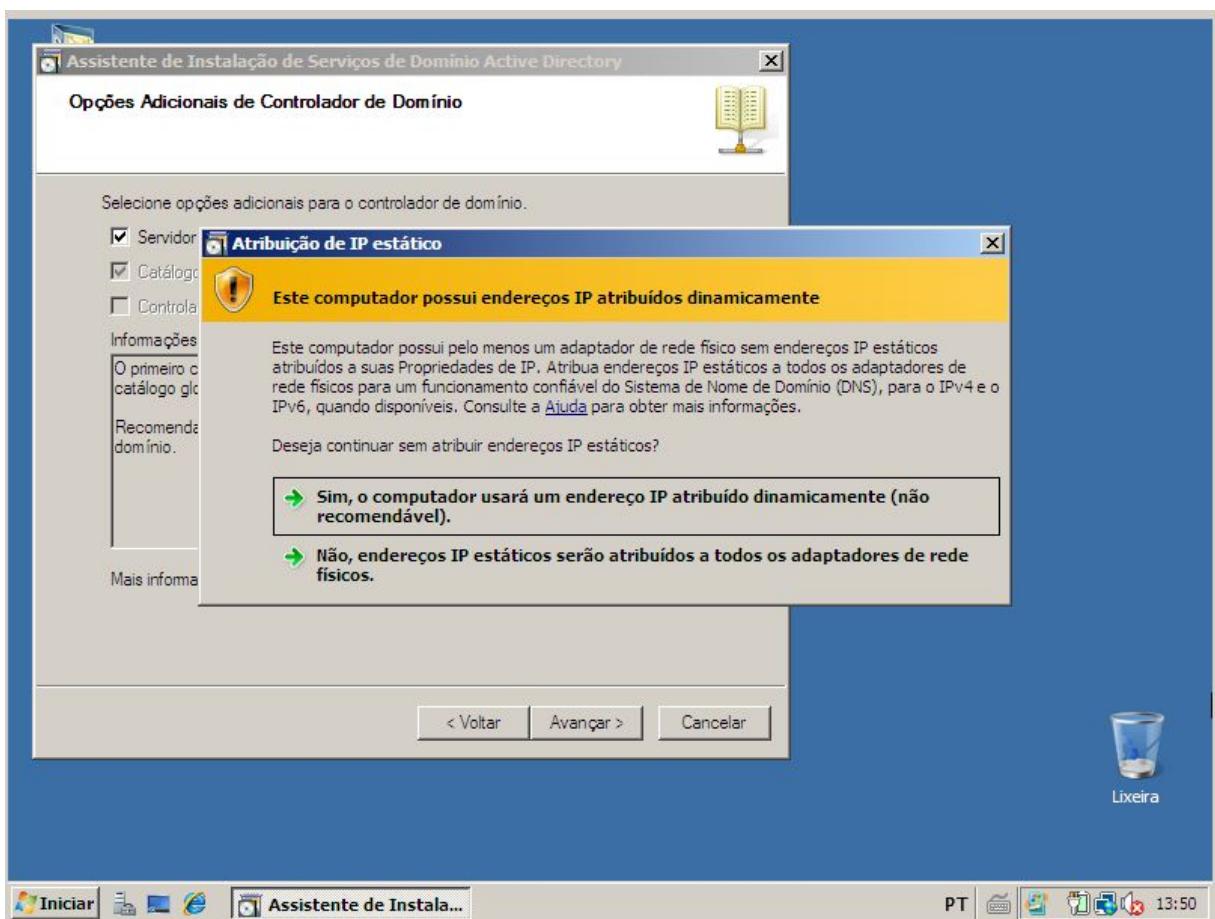


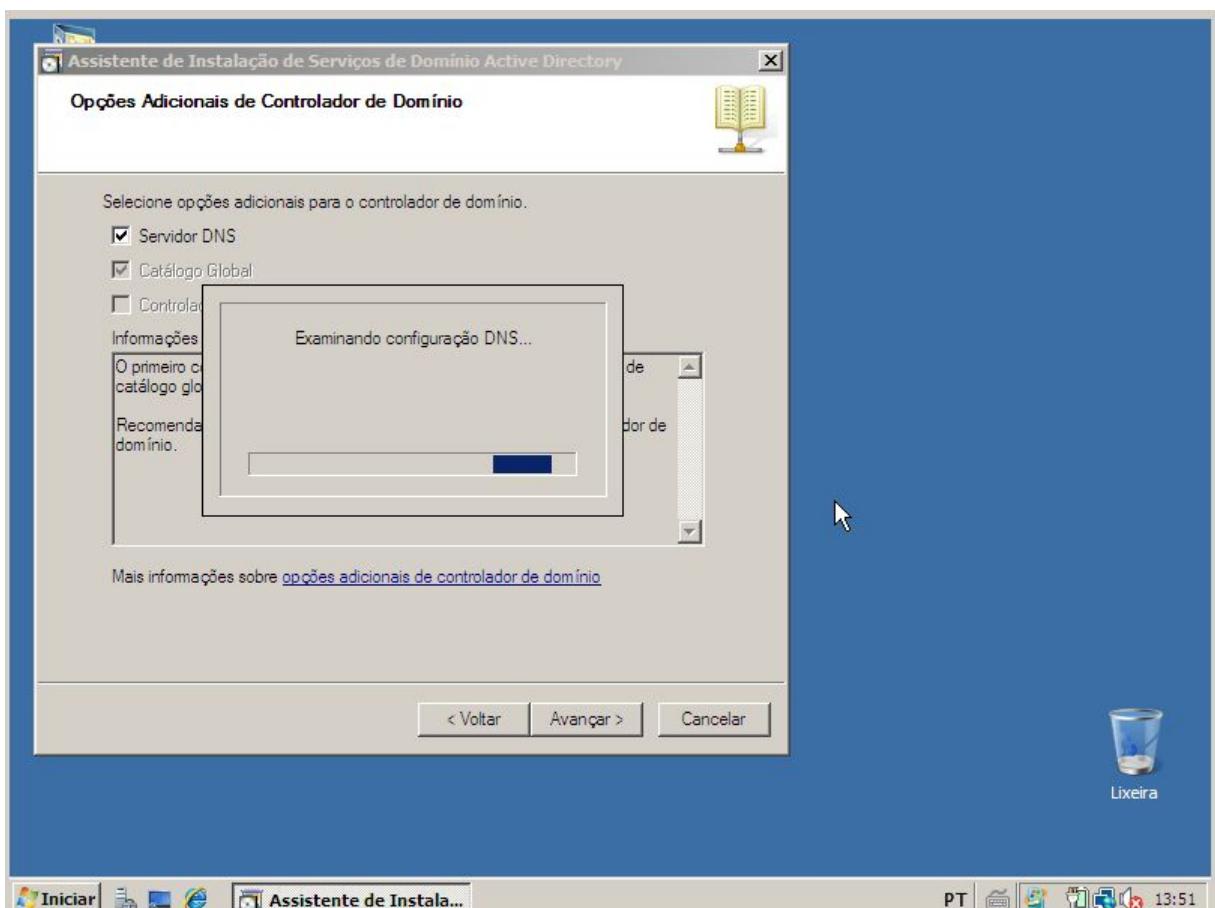


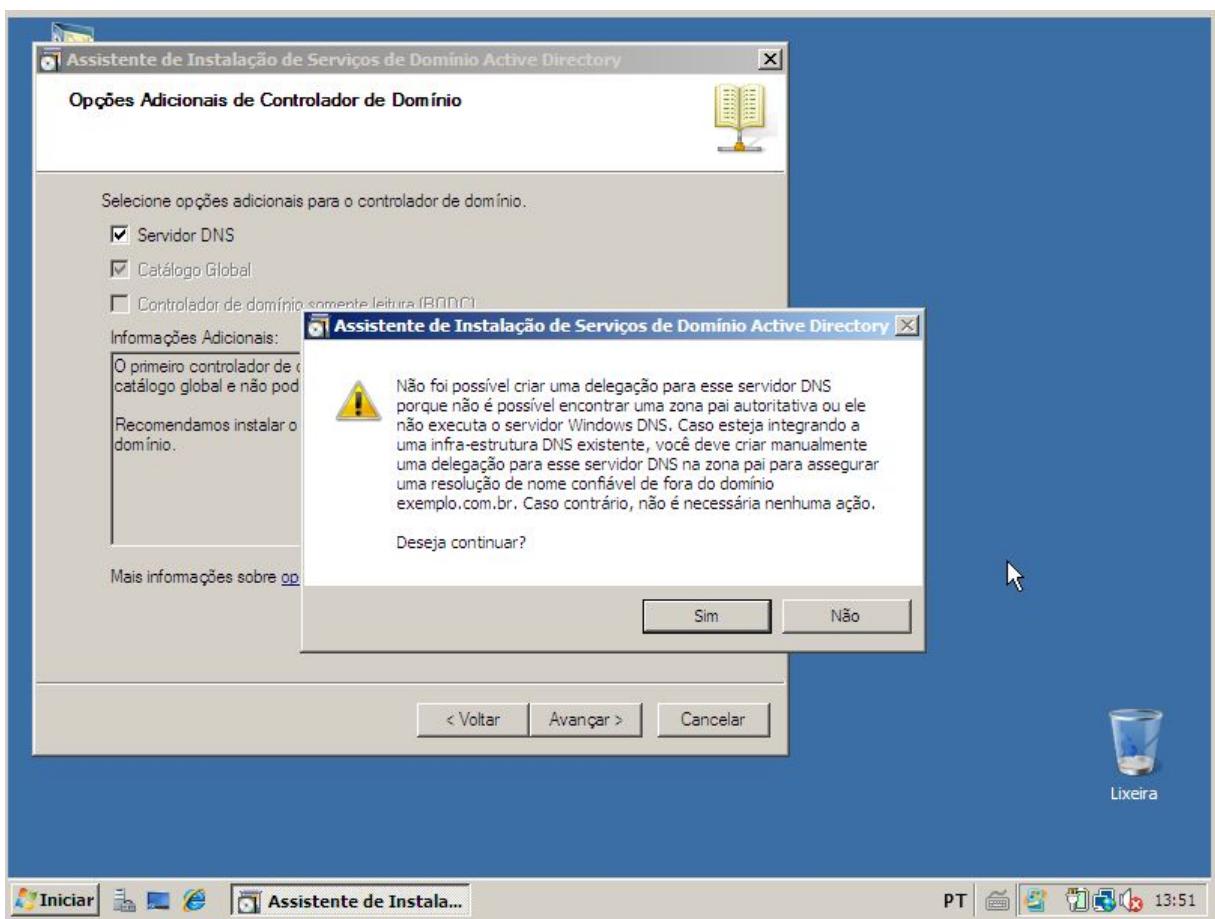


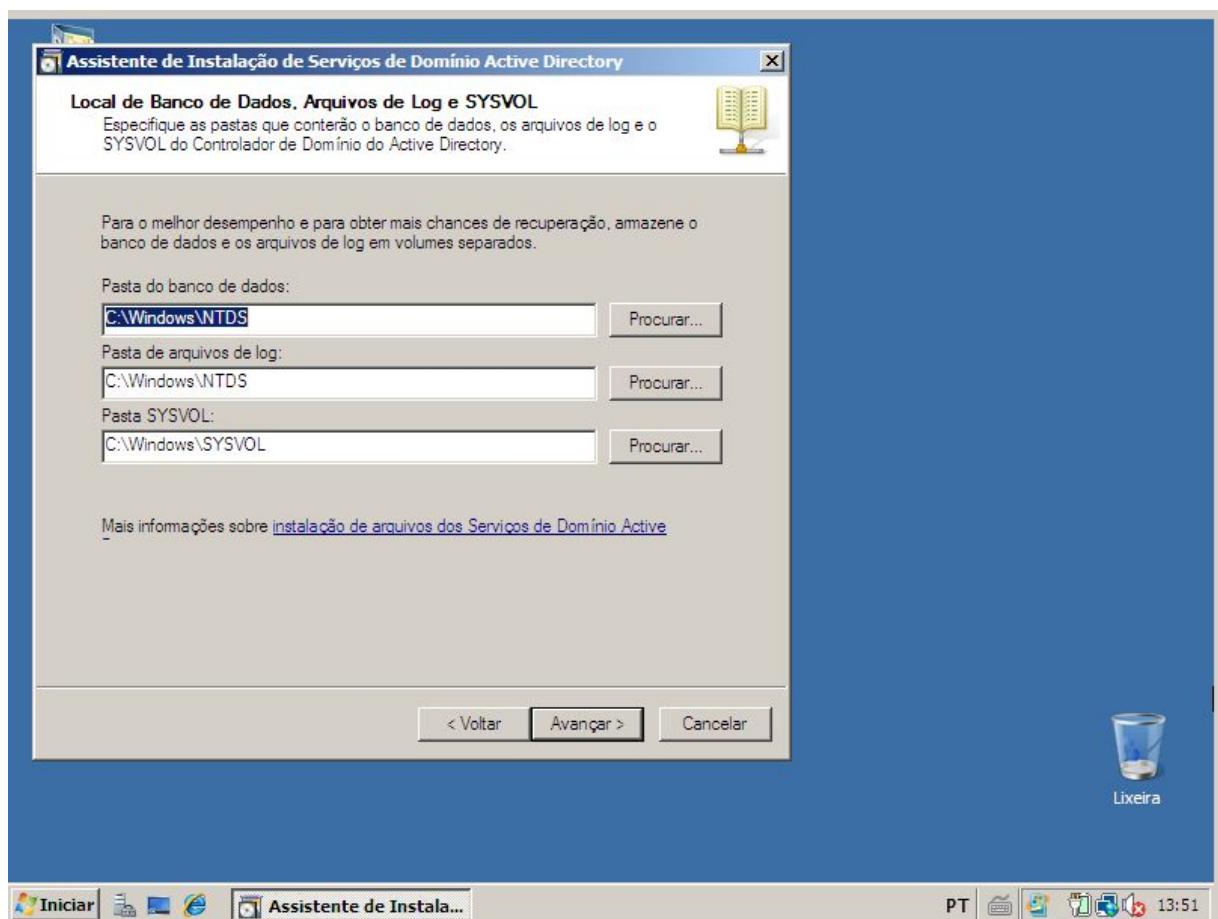


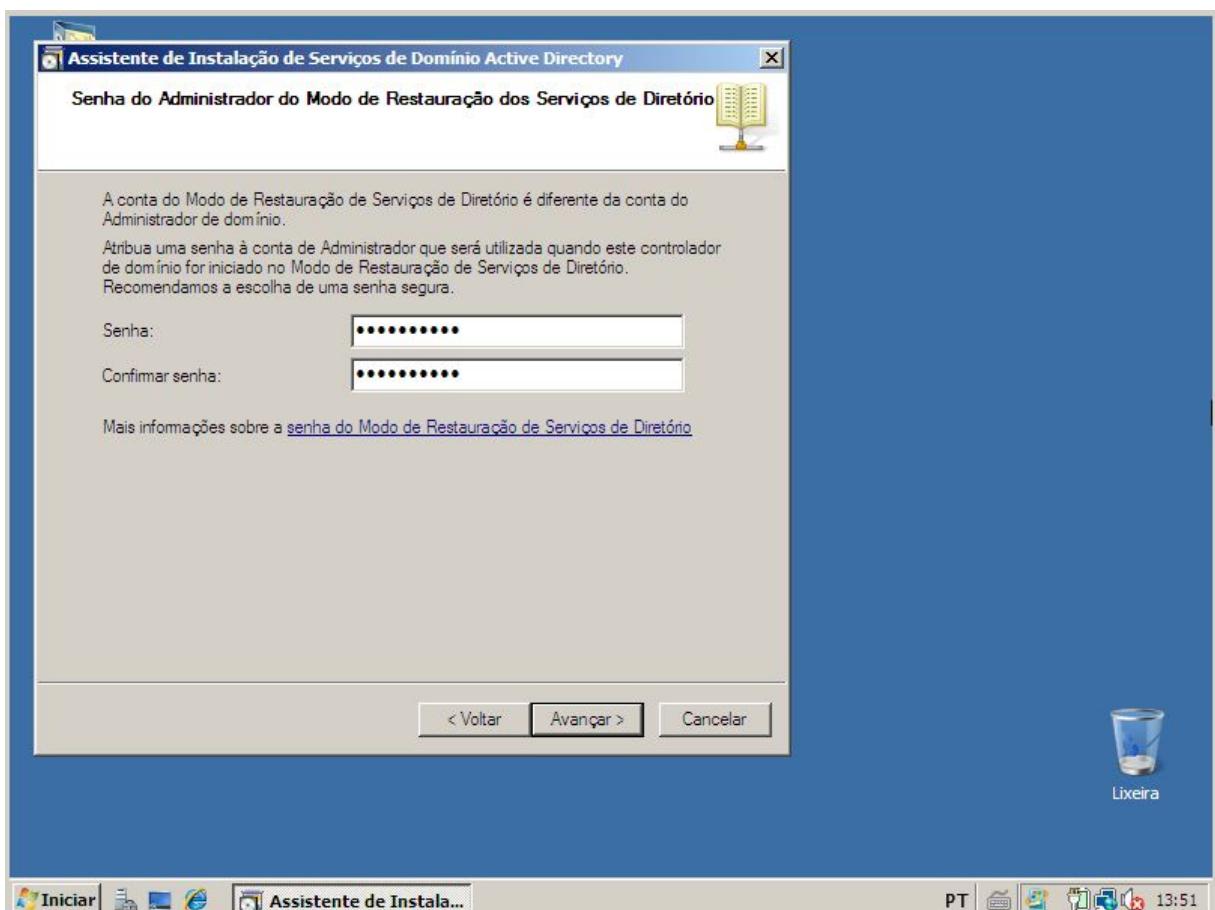


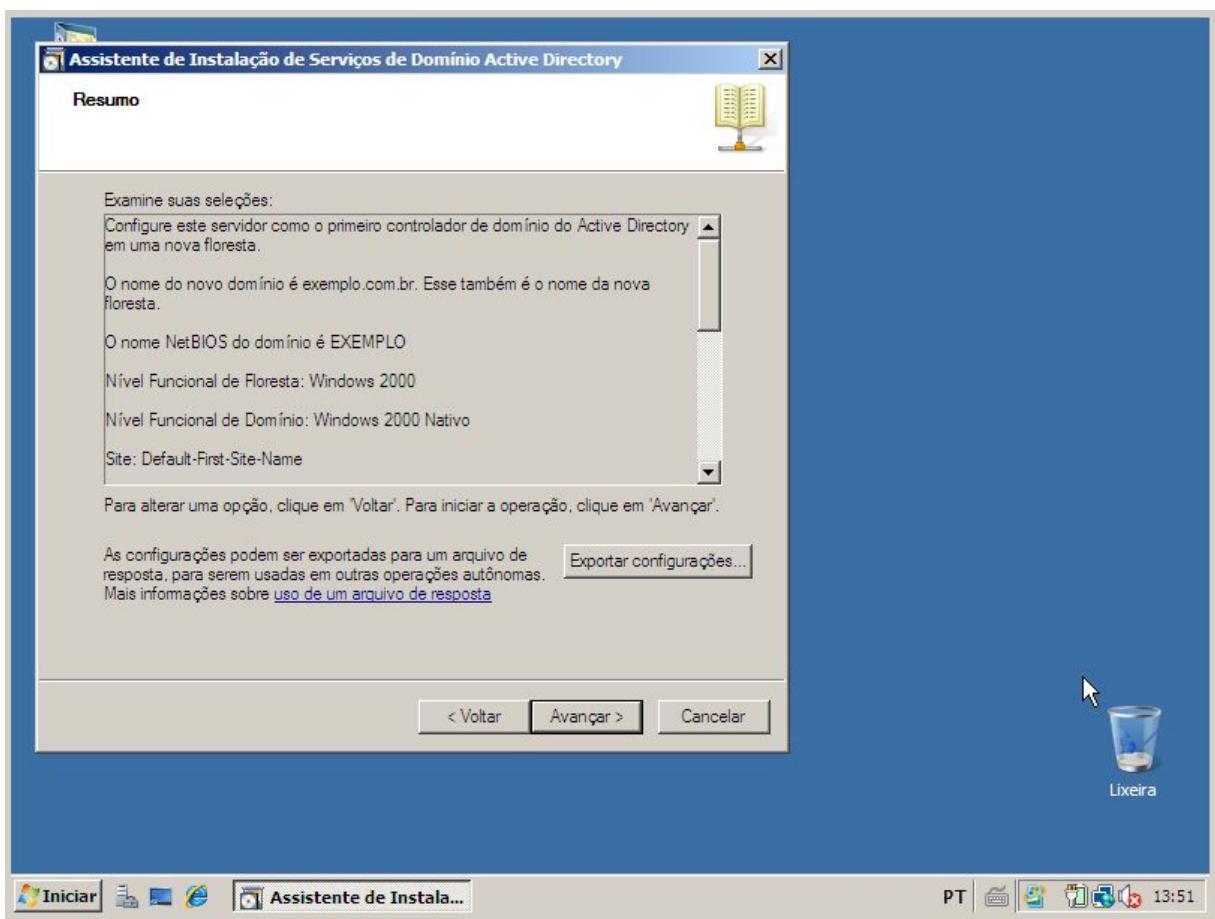


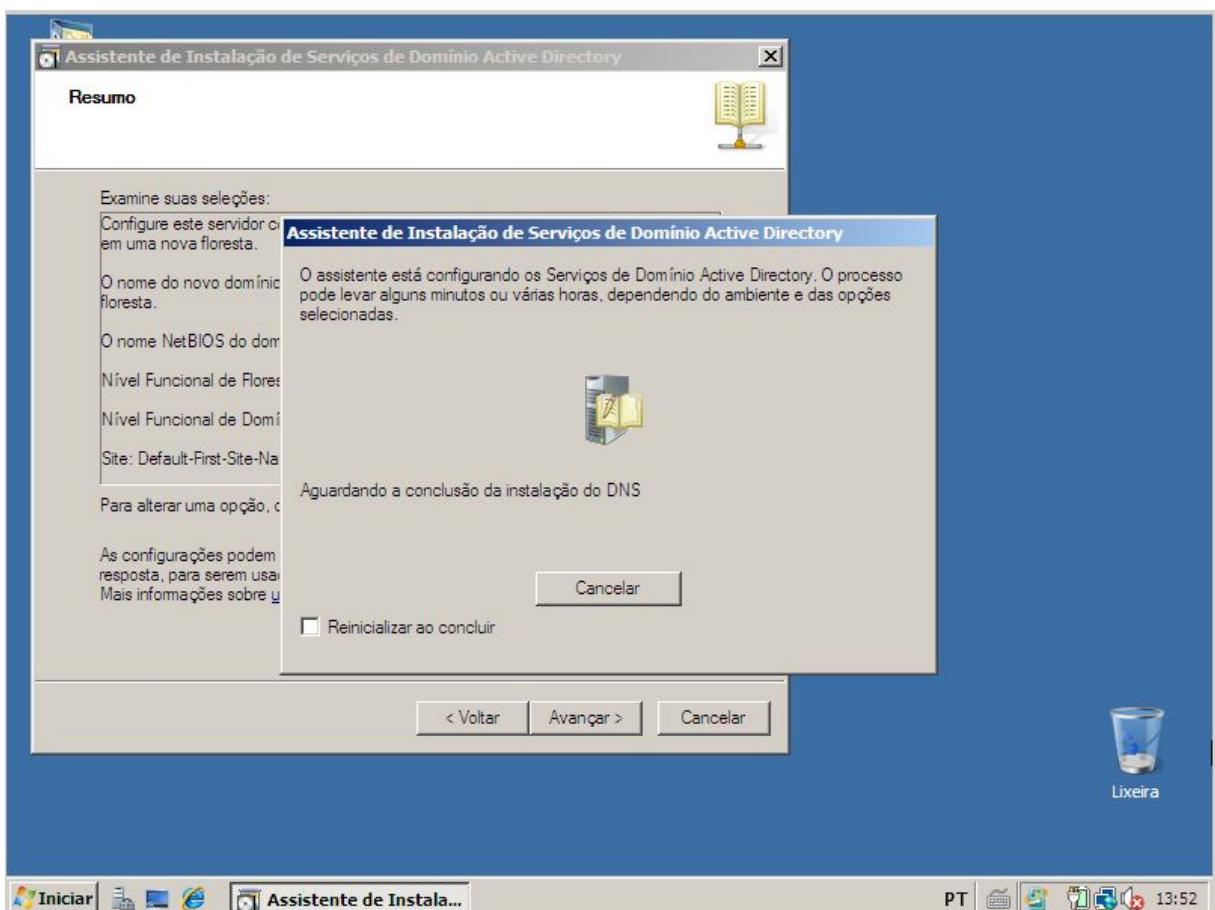


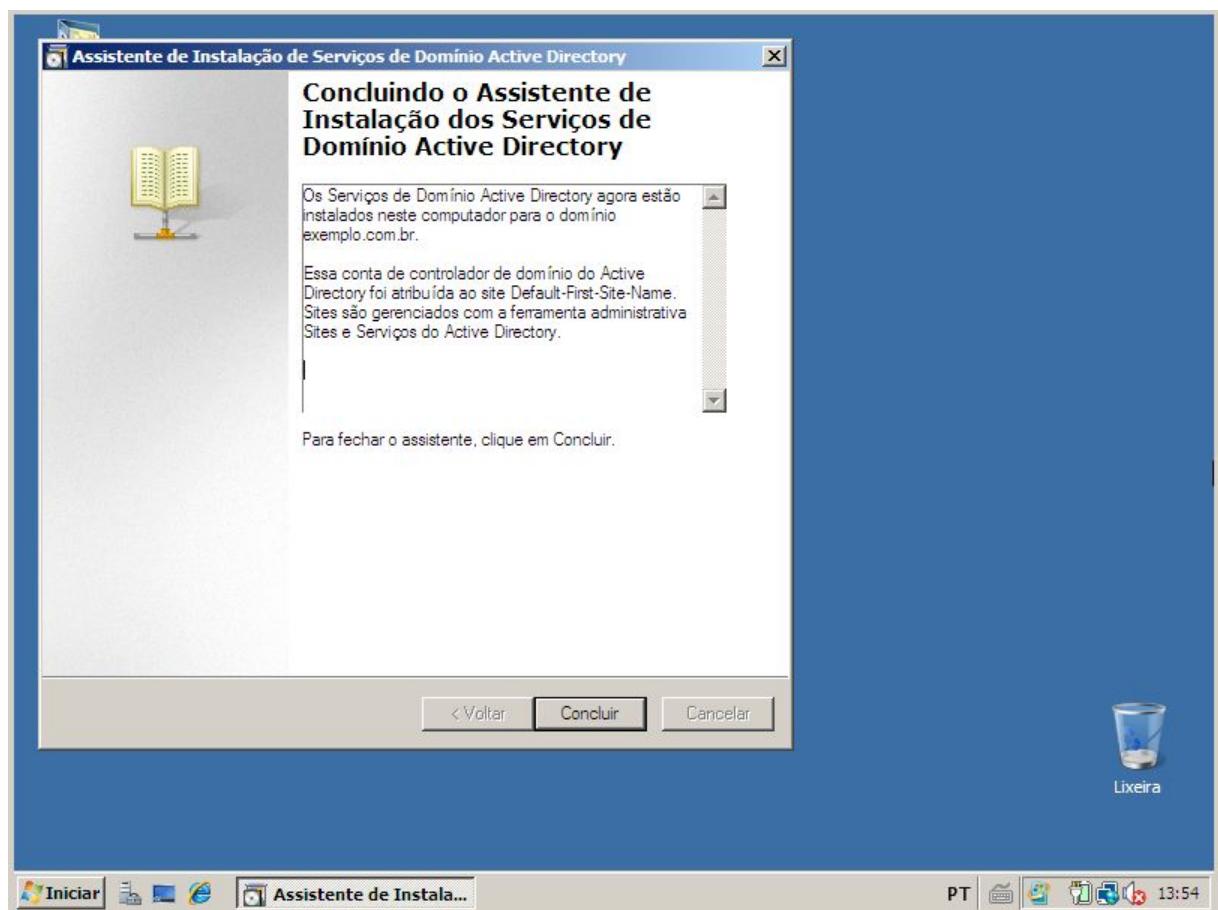












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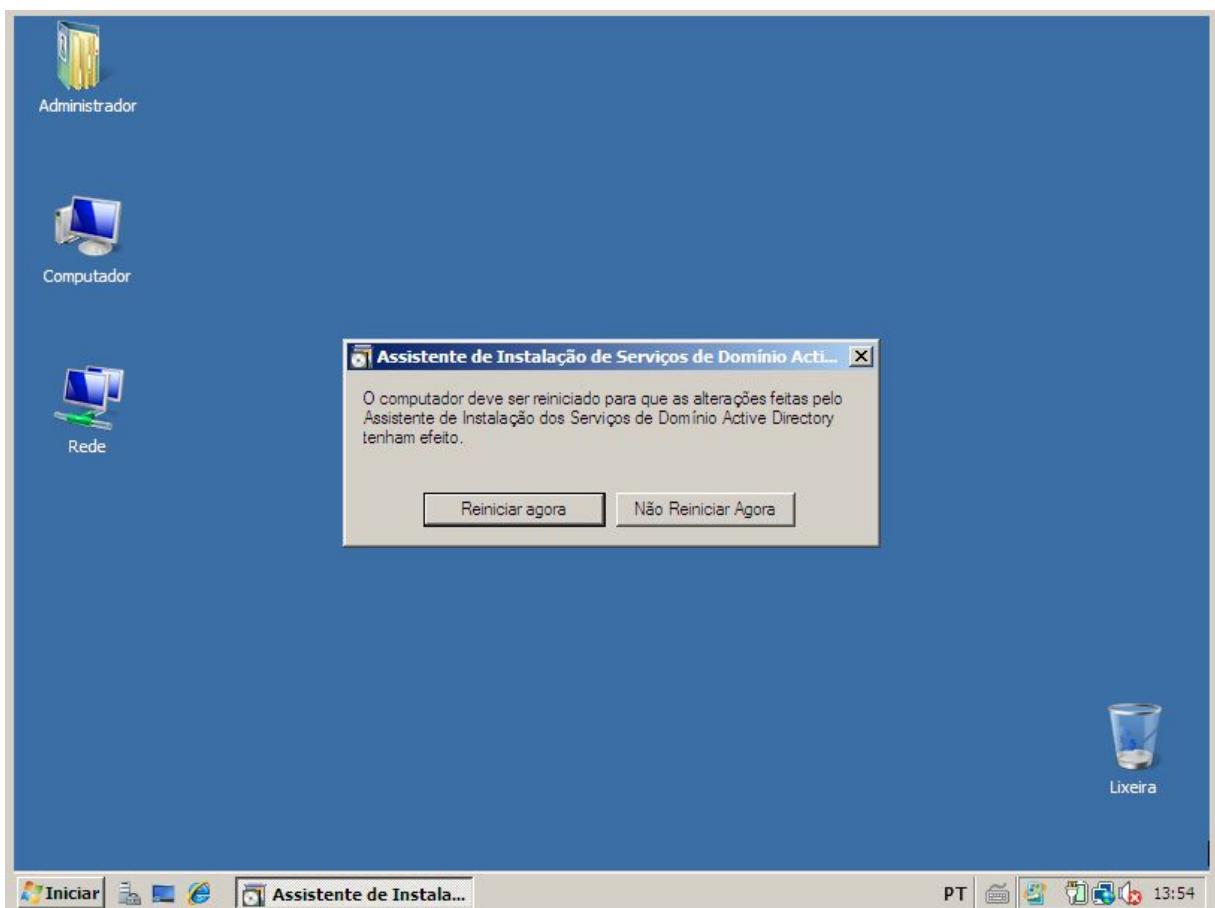


Assistente de Instala...

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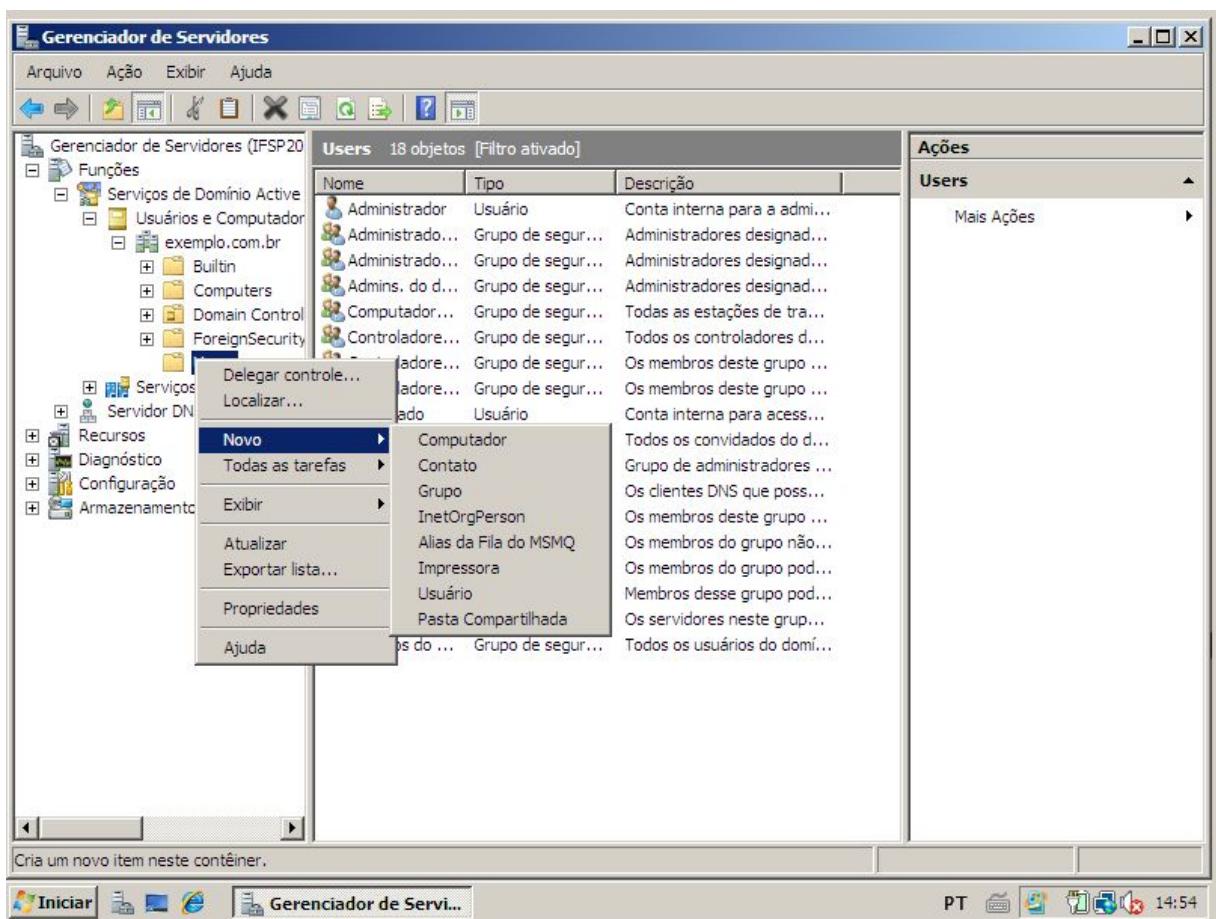


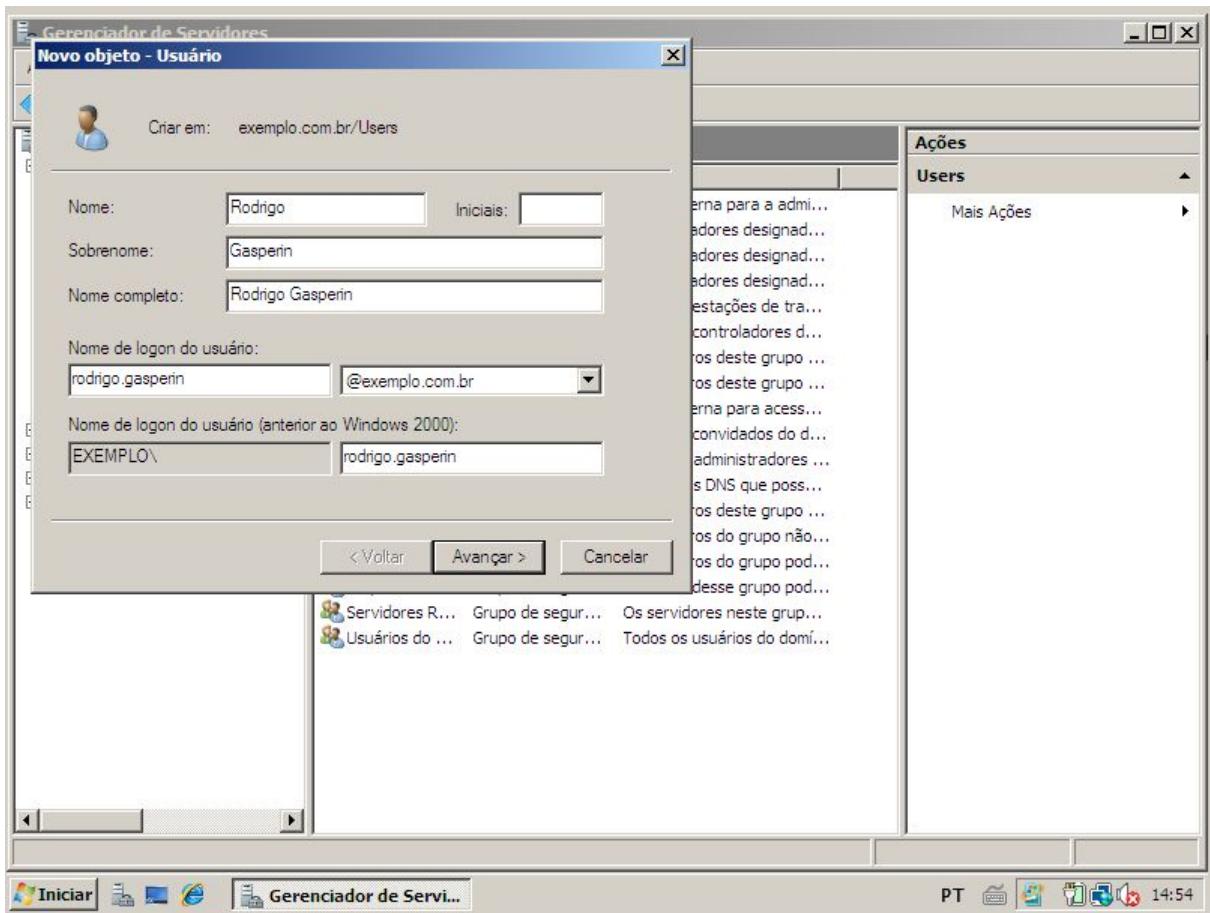
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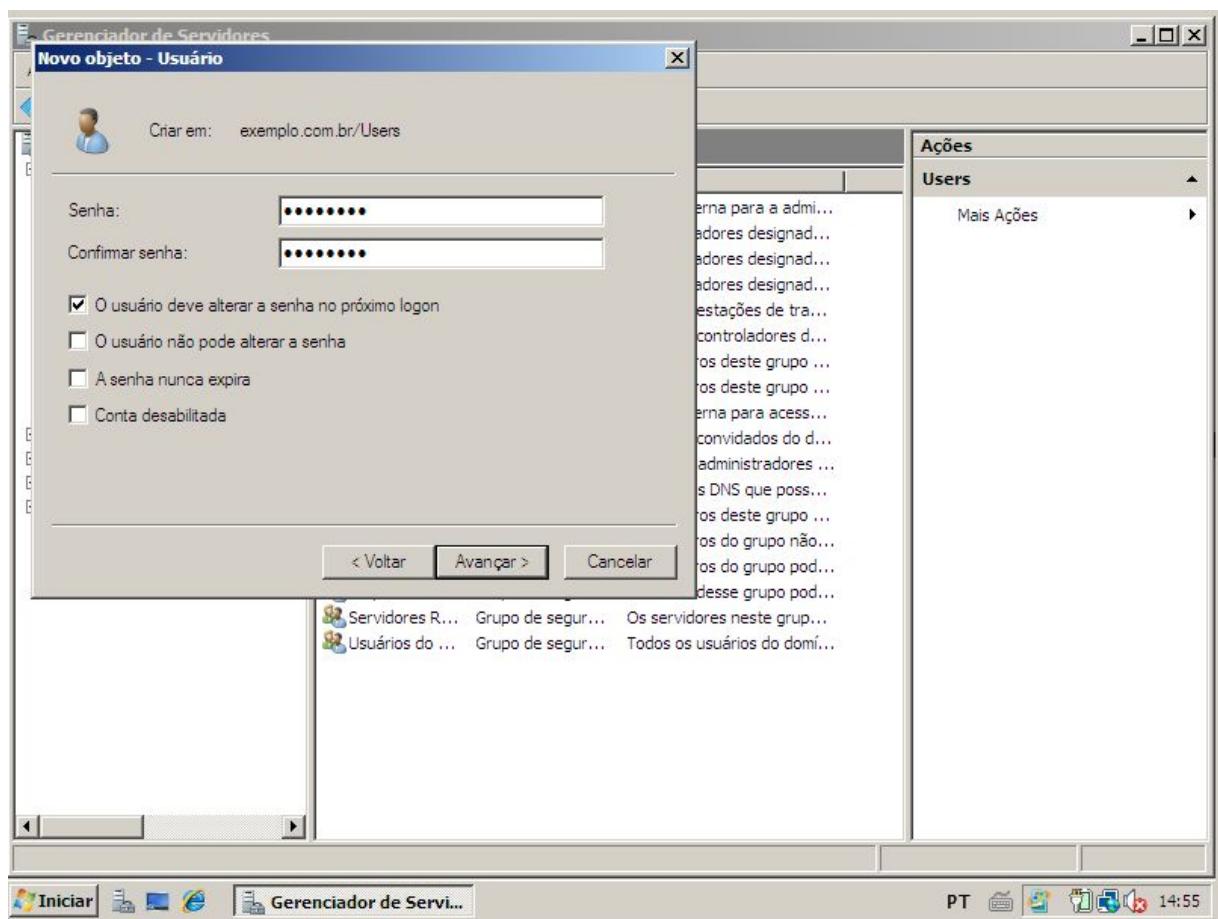


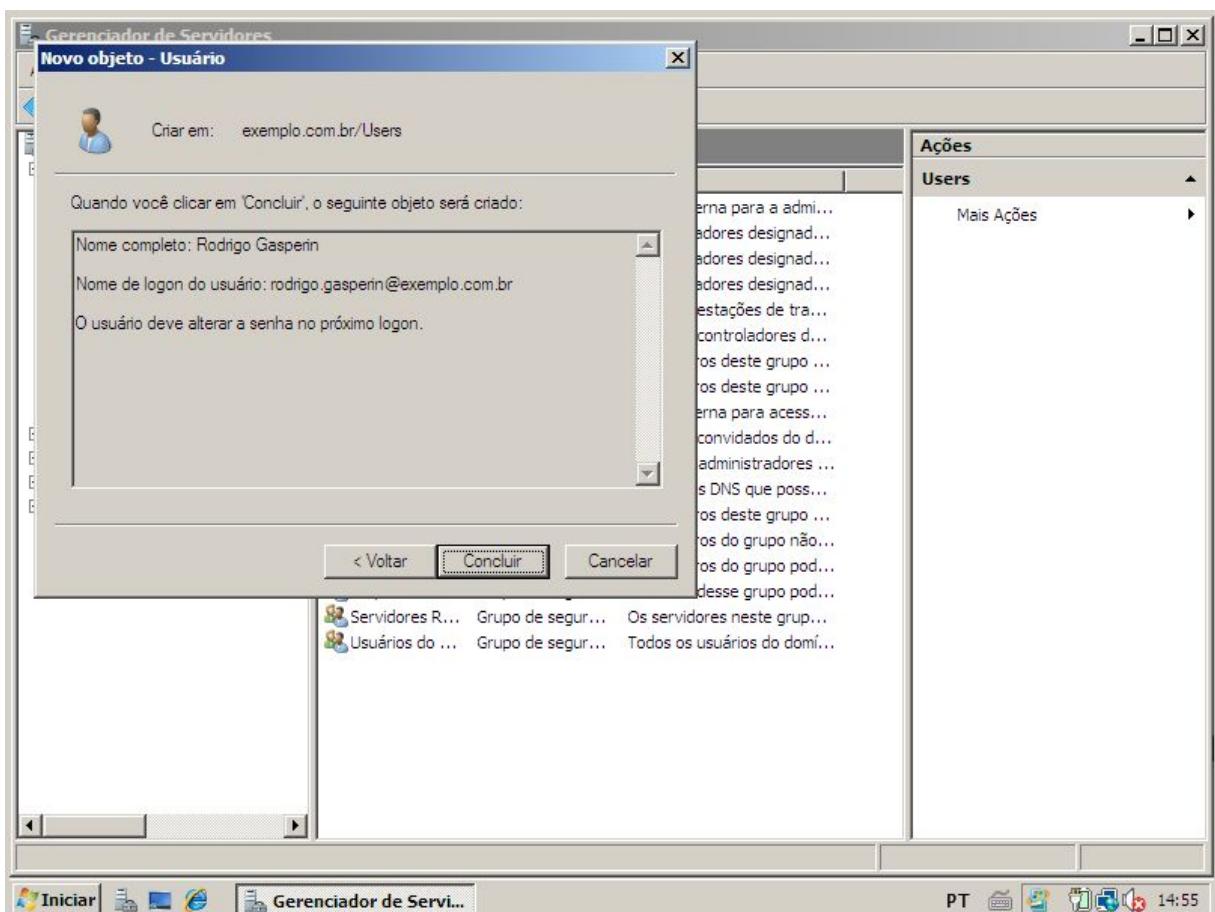
3.1 CRIAR USUÁRIO NO DOMÍNIO

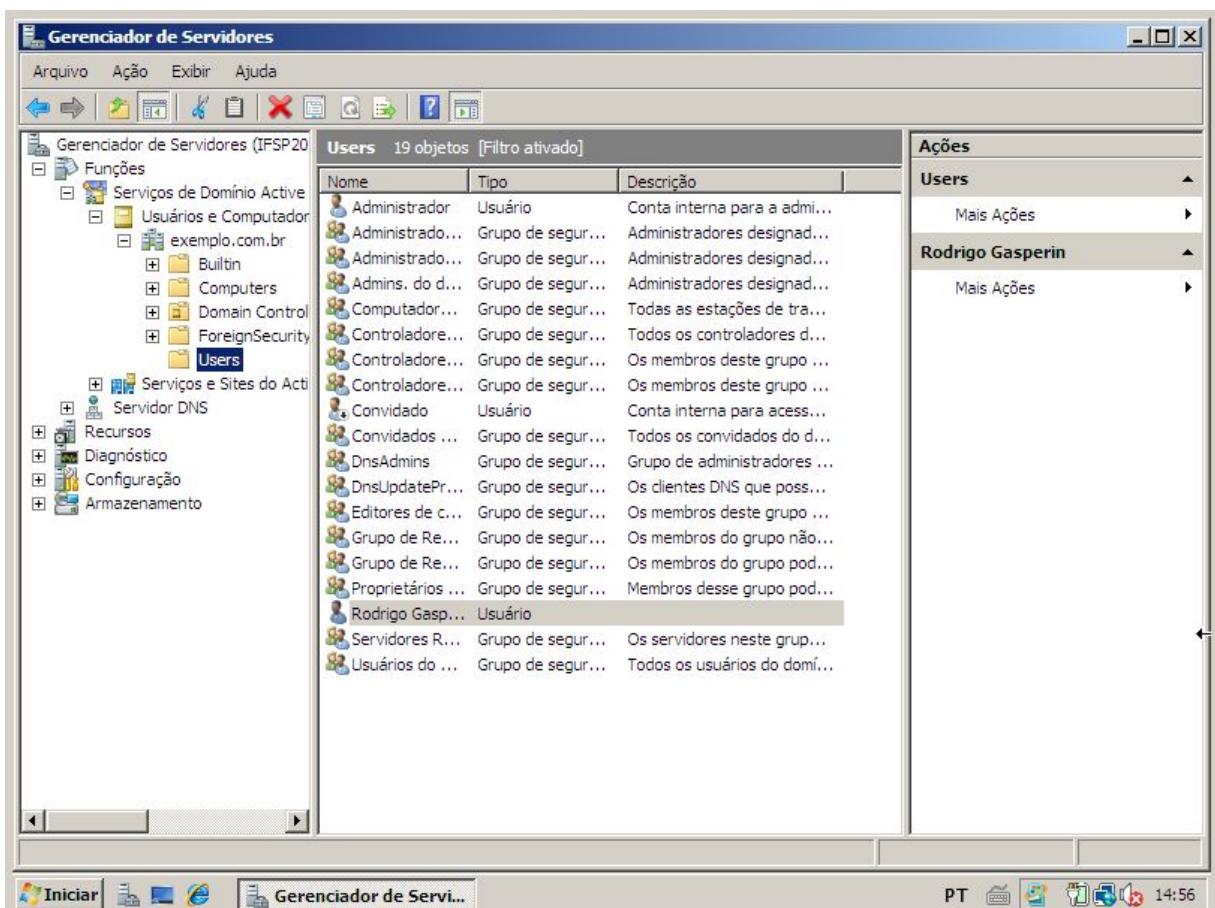
Depois de criar o domínio, vamos criar um usuário para poder acessá-lo (além do Administrador, já existente), no *Gerenciador de Servidores* (Iniciar > Ferramentas Administrativas > Gerenciador de Servidores).





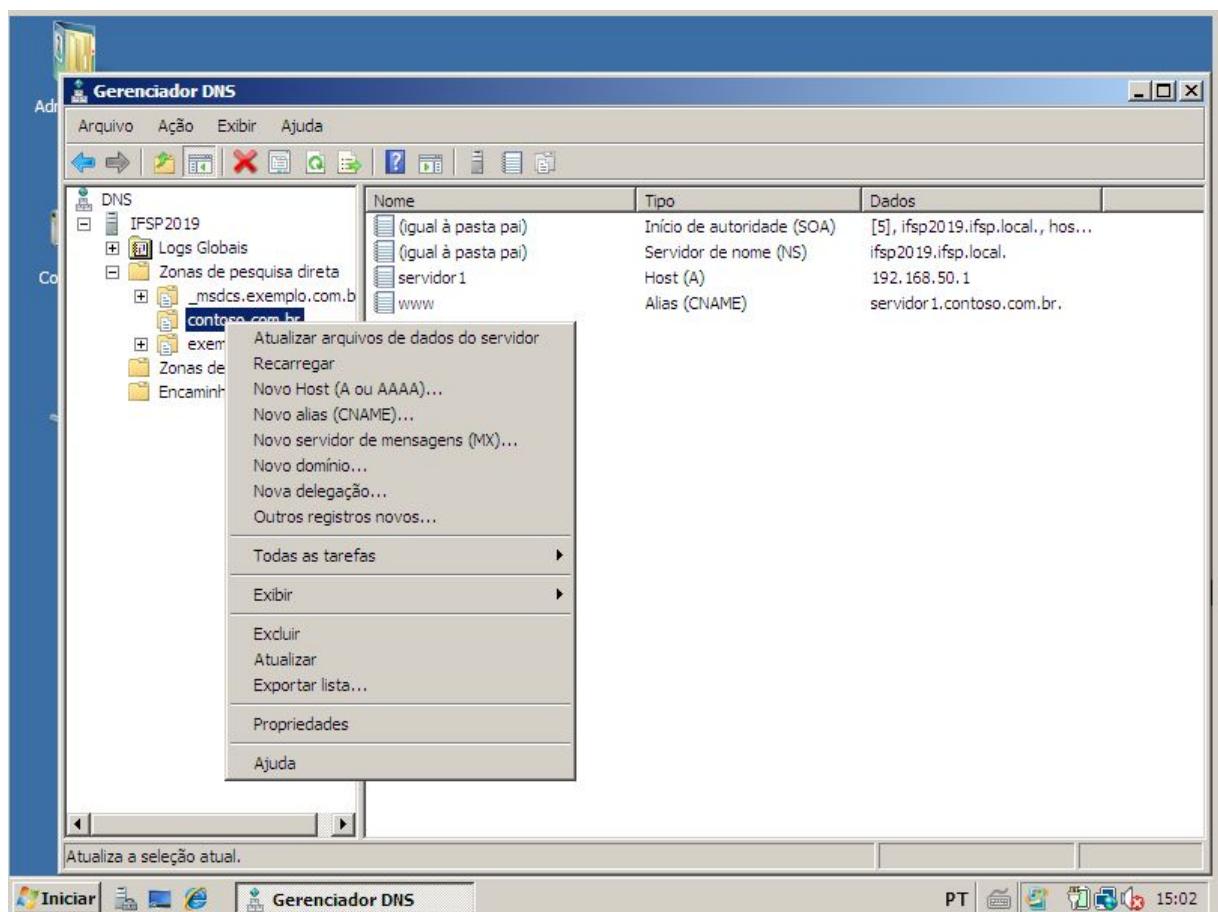


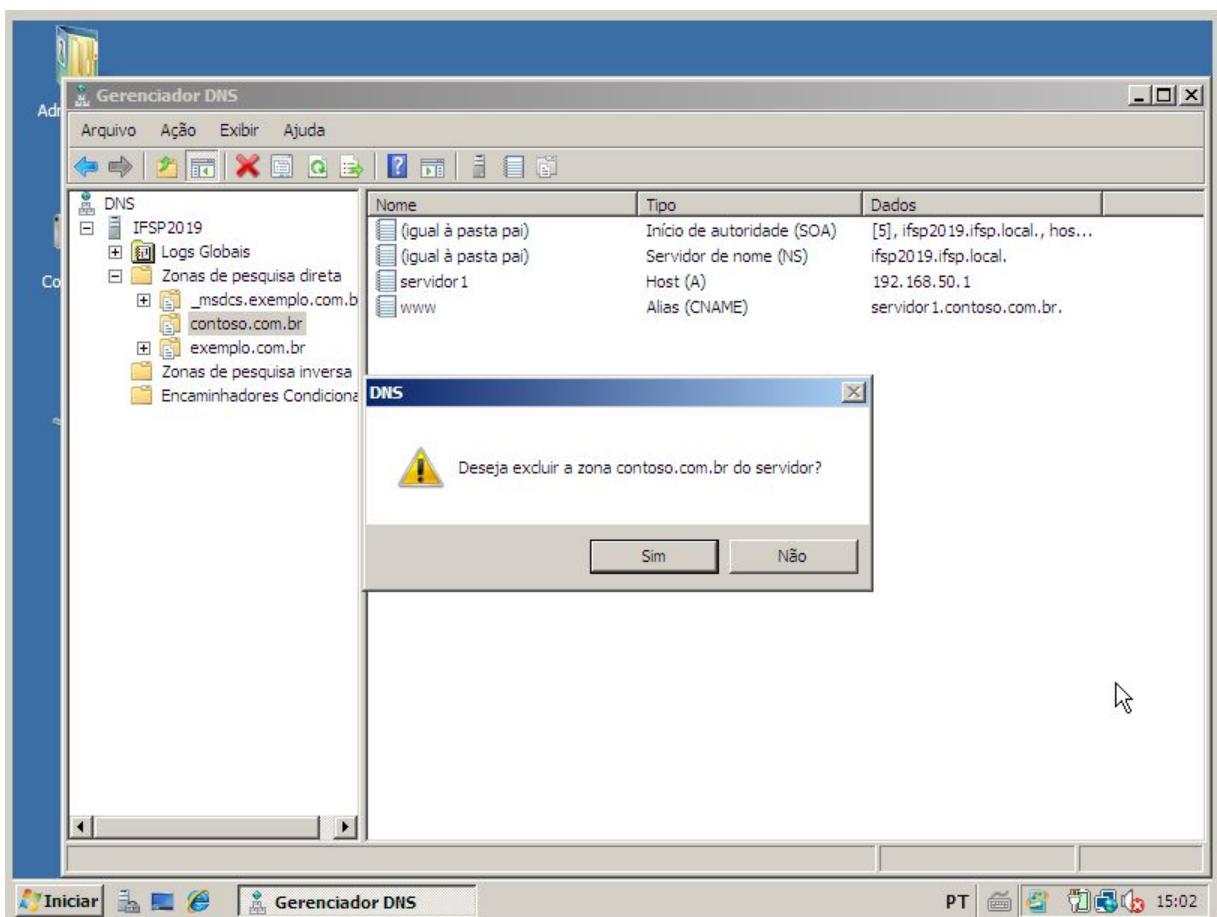


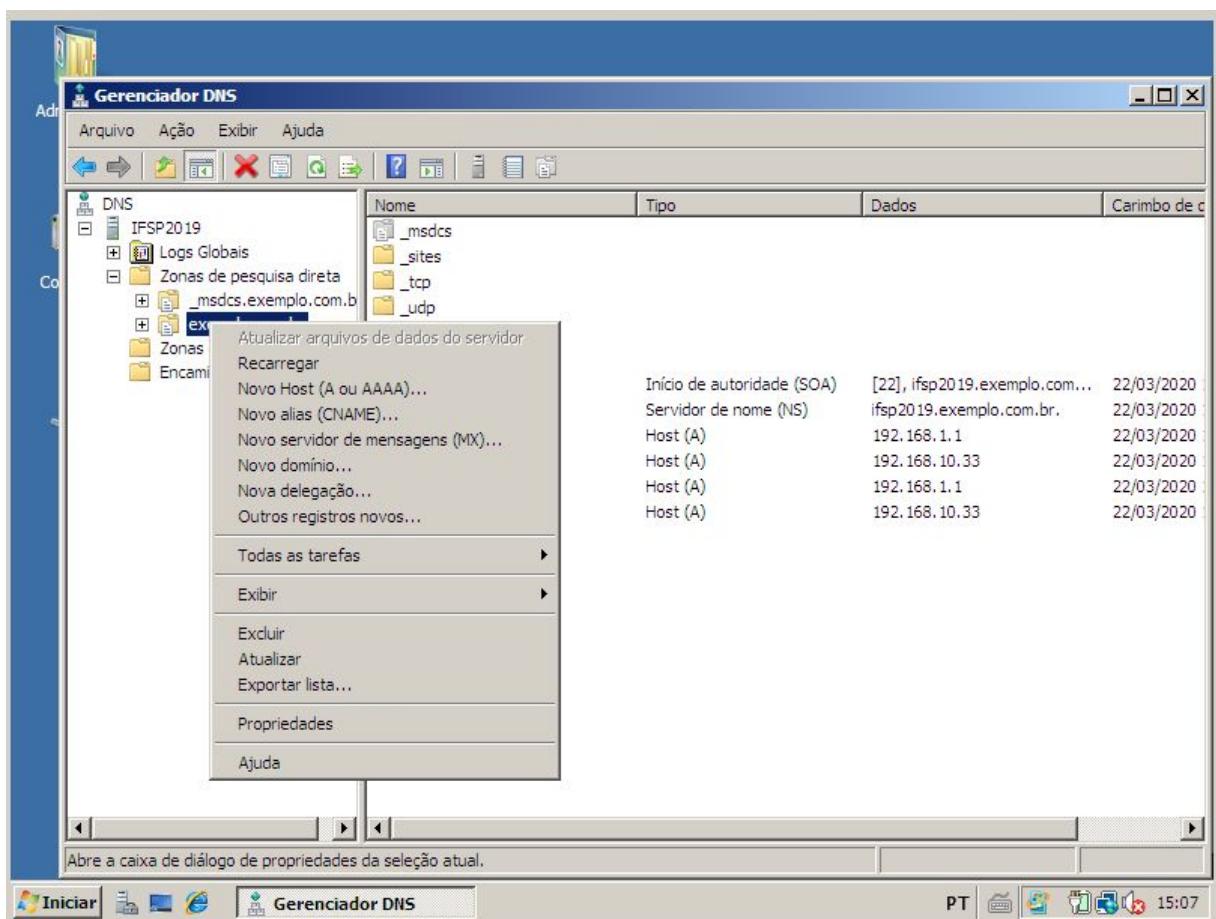


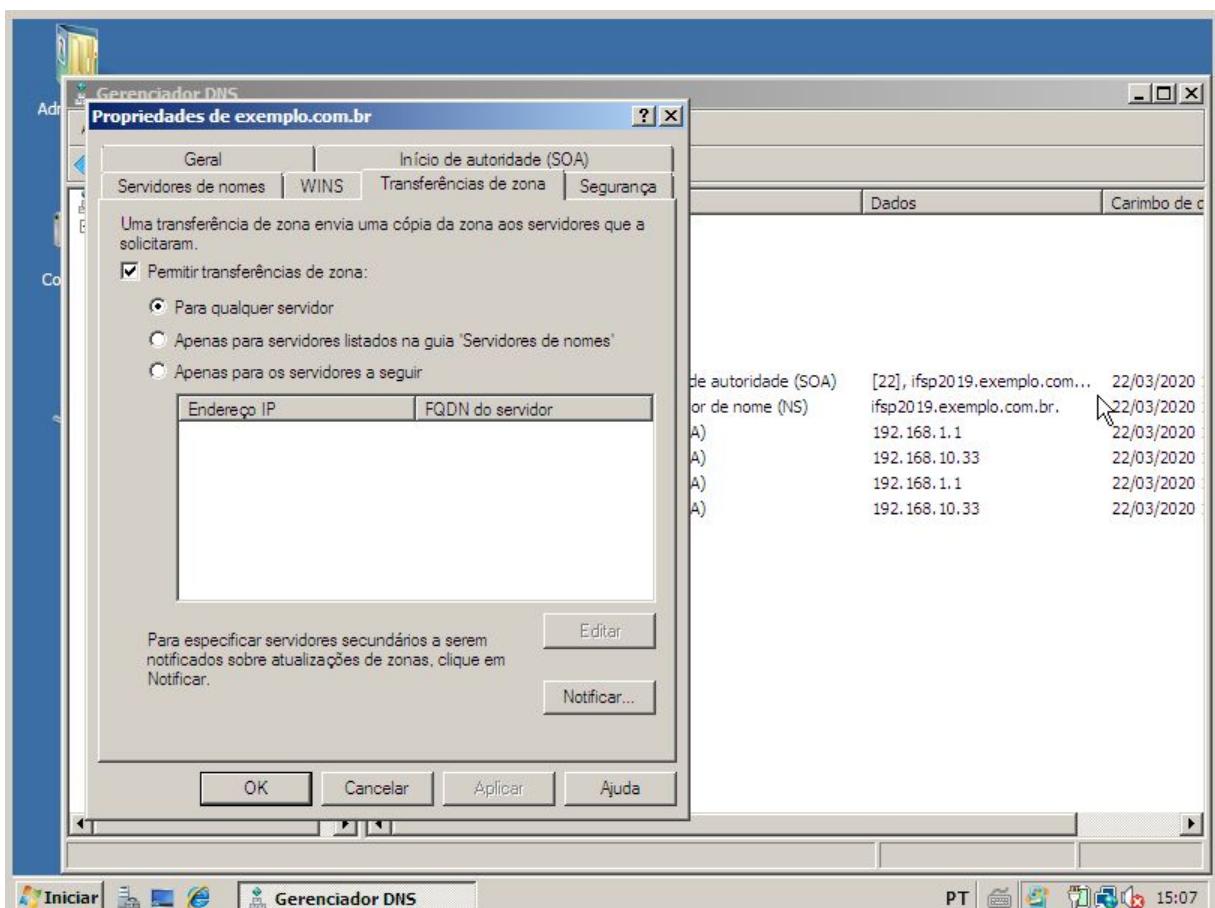
4.0 CONFIGURAR O DNS

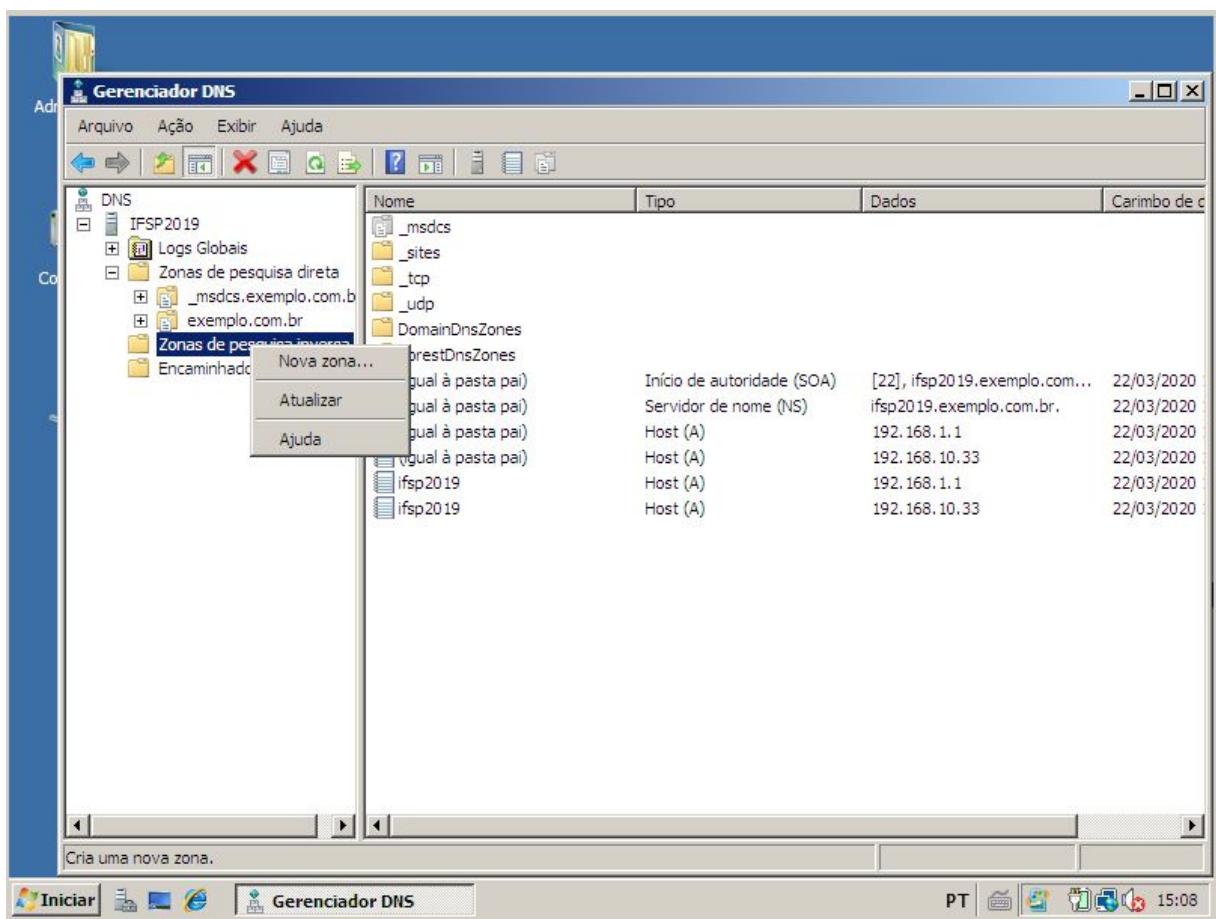
O próximo passo é configurar o servidor DNS, pelo *Gerenciador DNS* (Iniciar > Ferramentas Administrativas > DNS). Depois de configurado, devemos reiniciar o serviço de DNS.

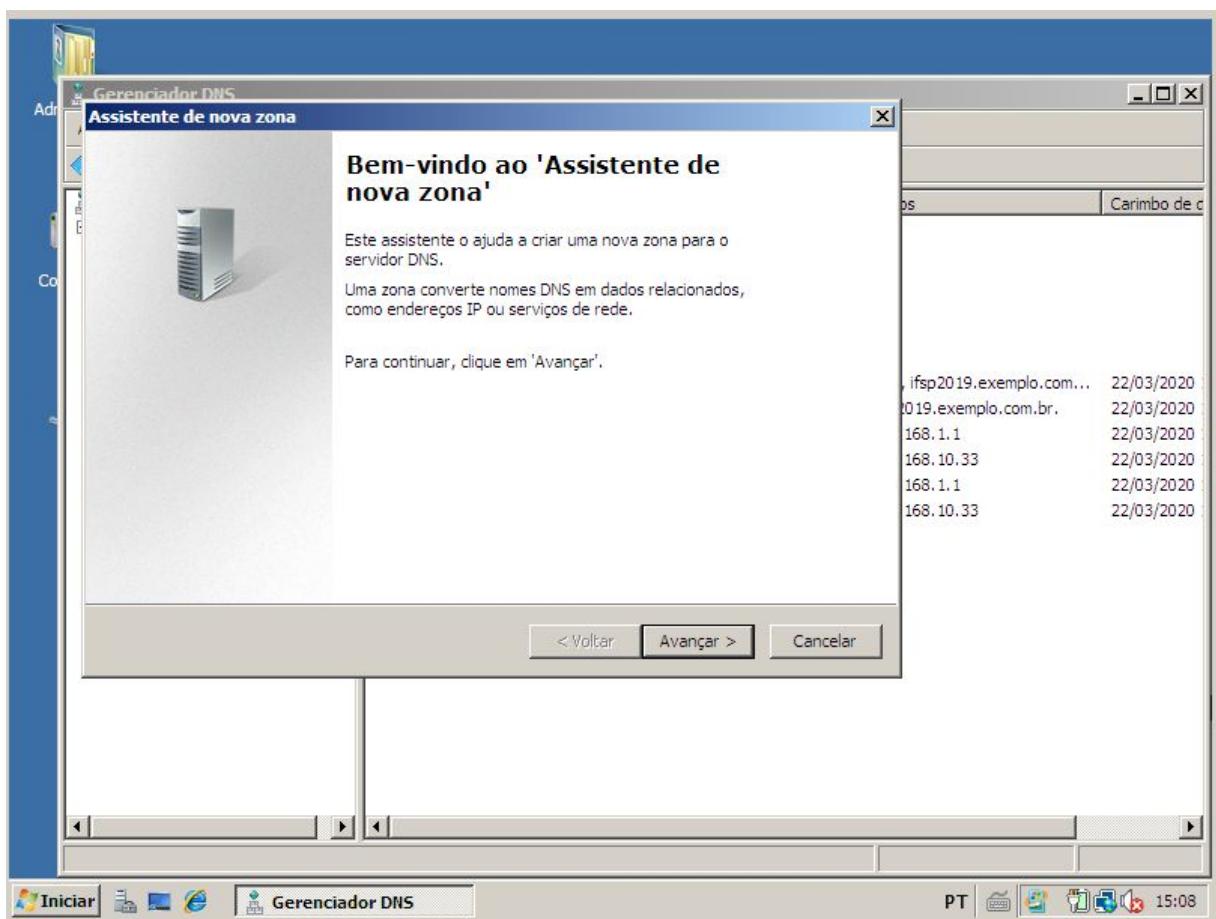


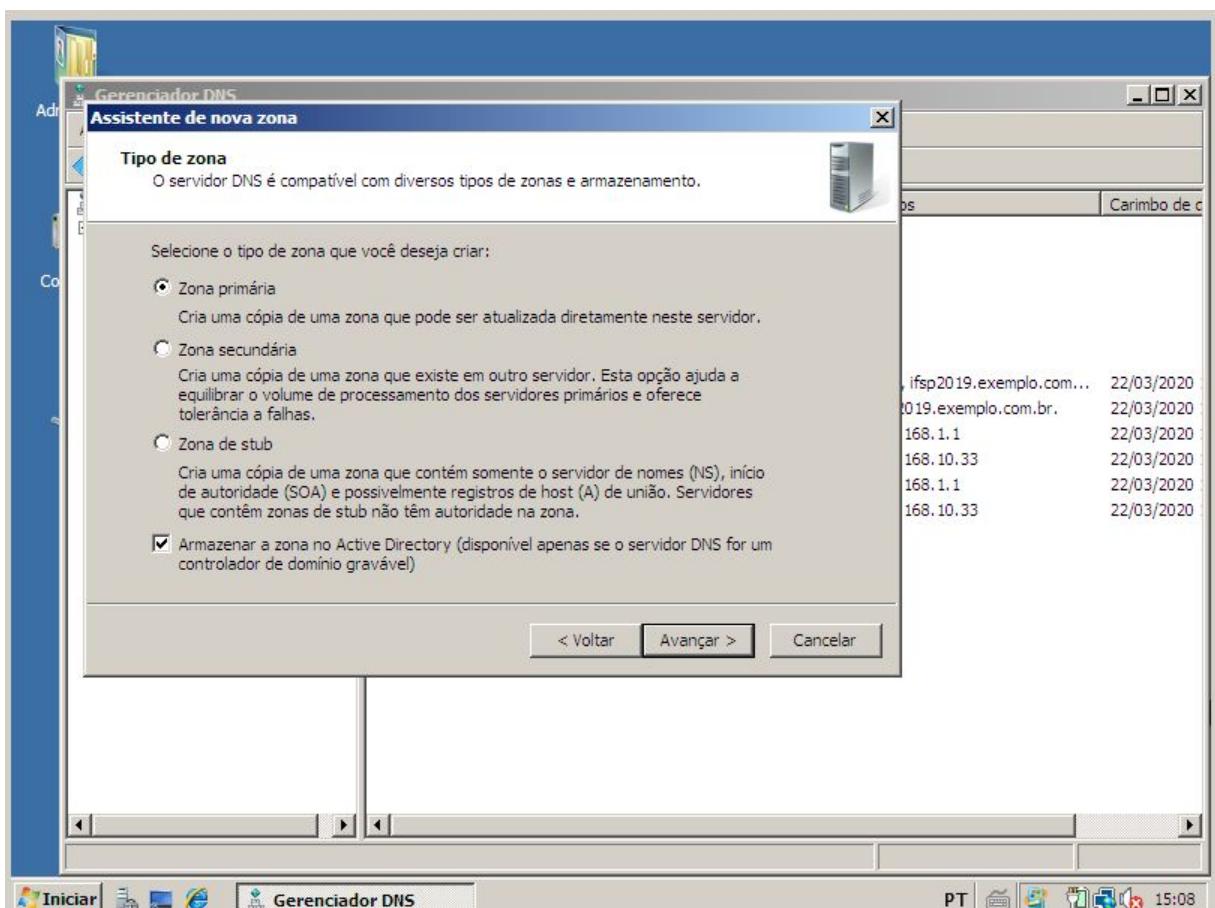


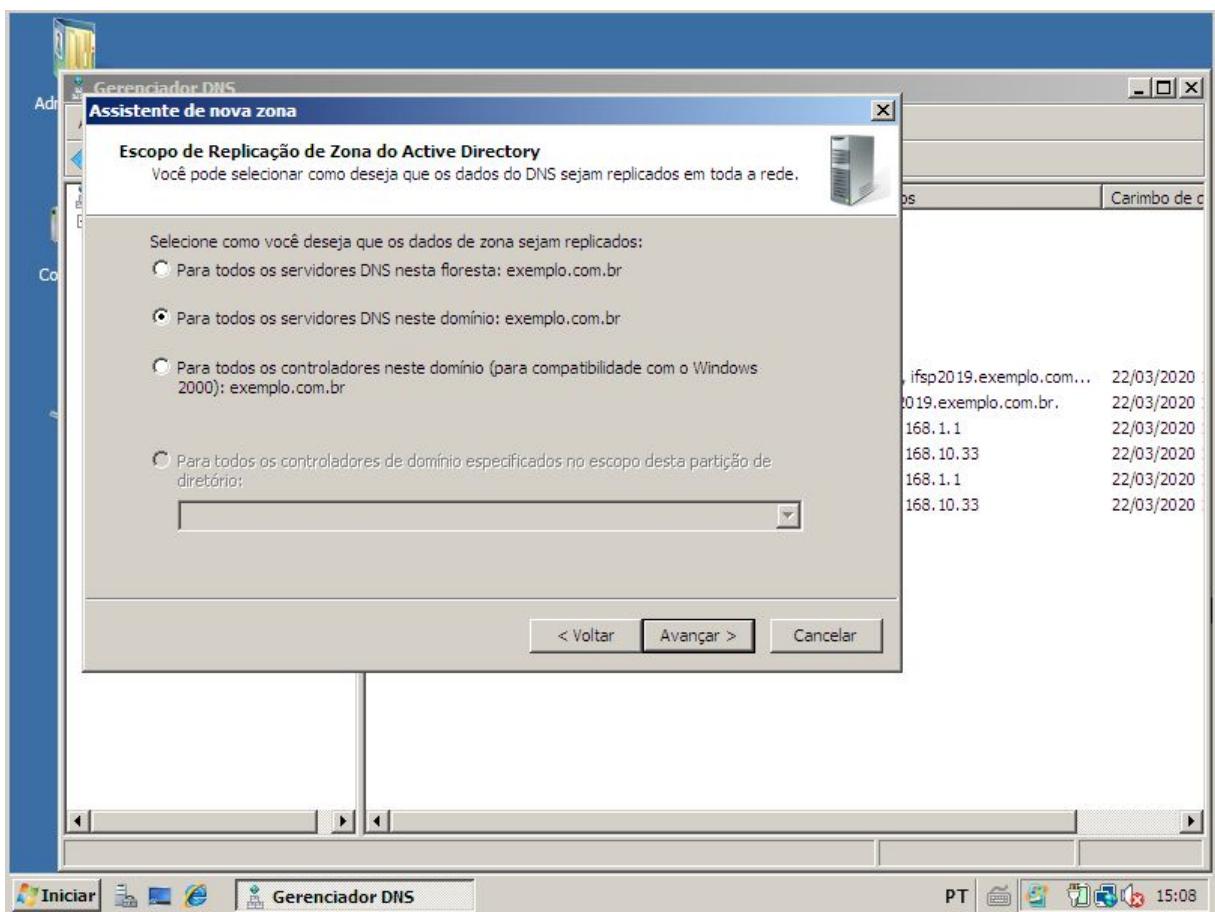


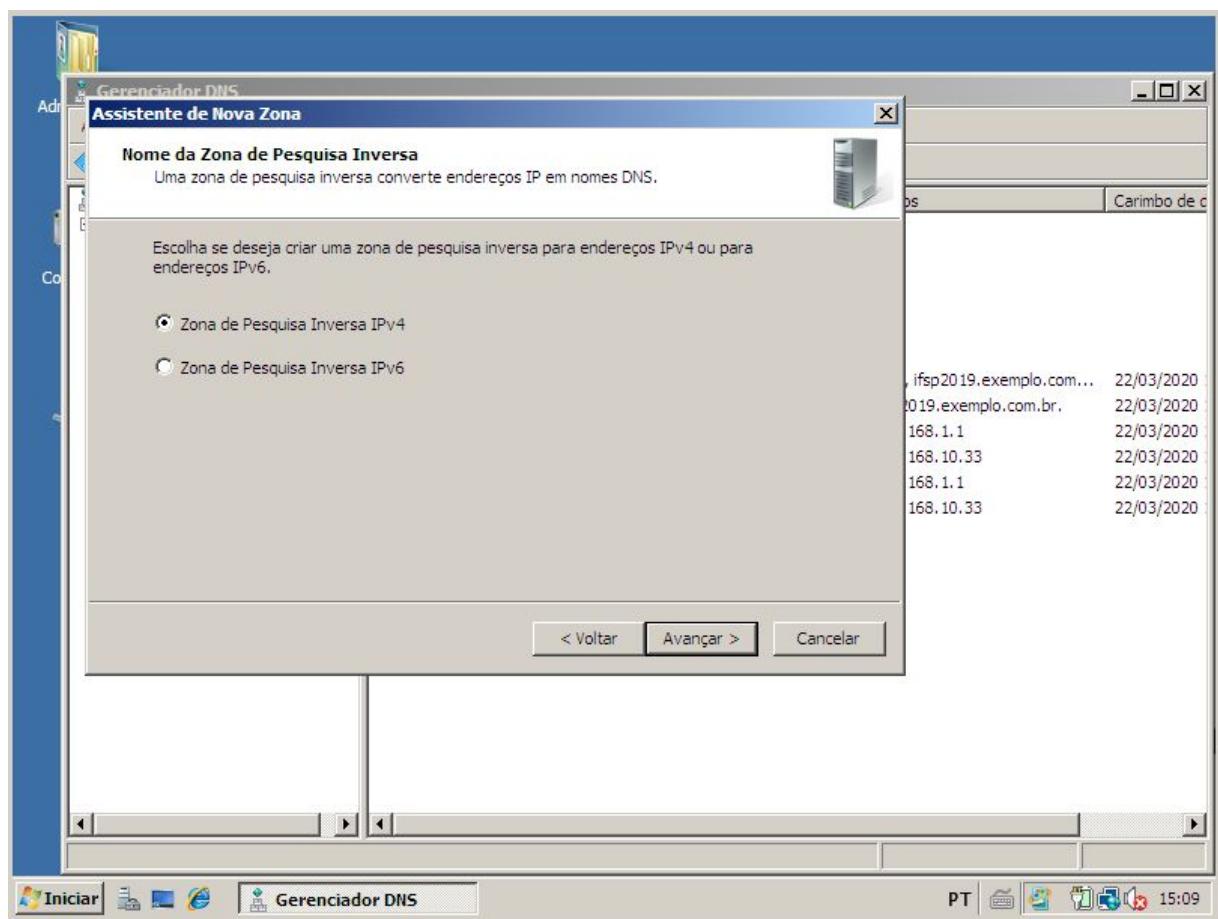


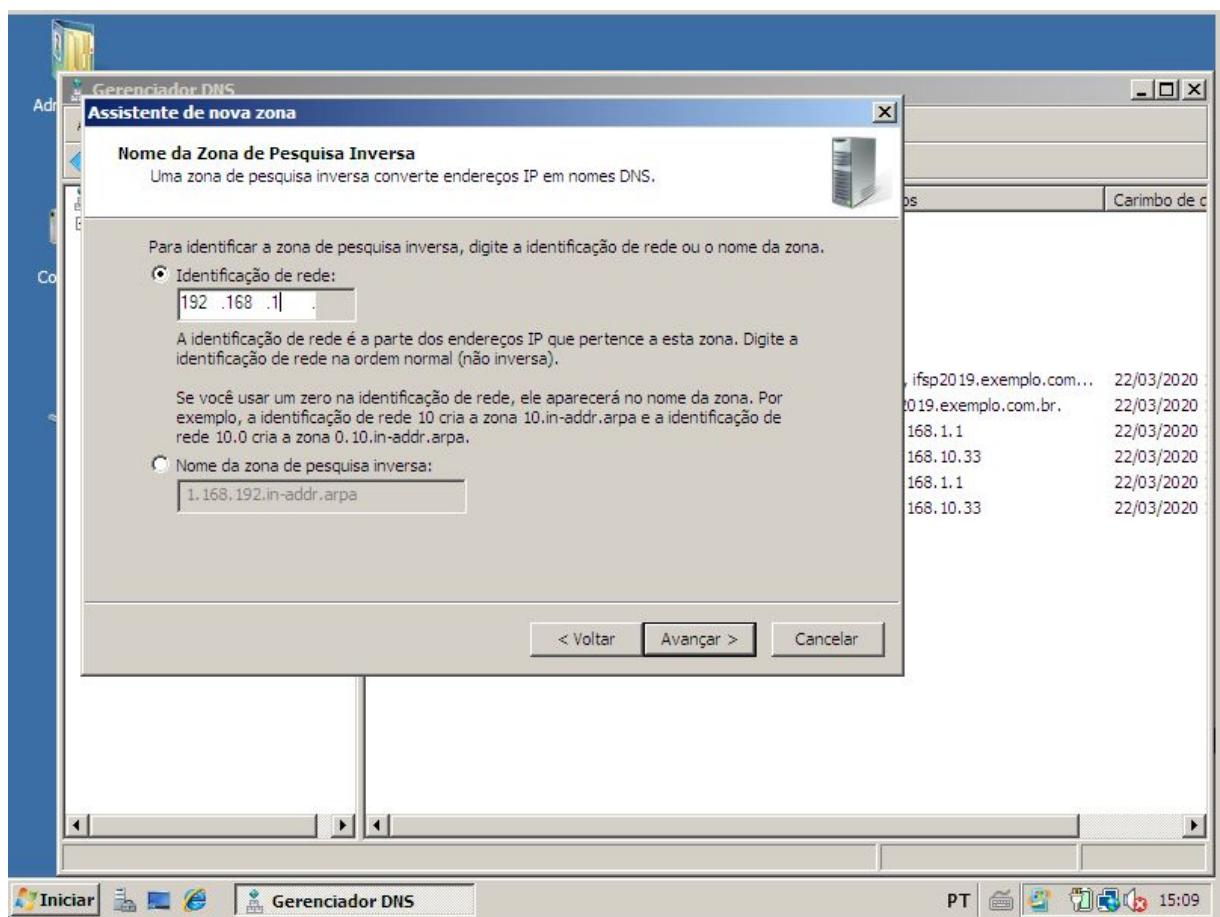


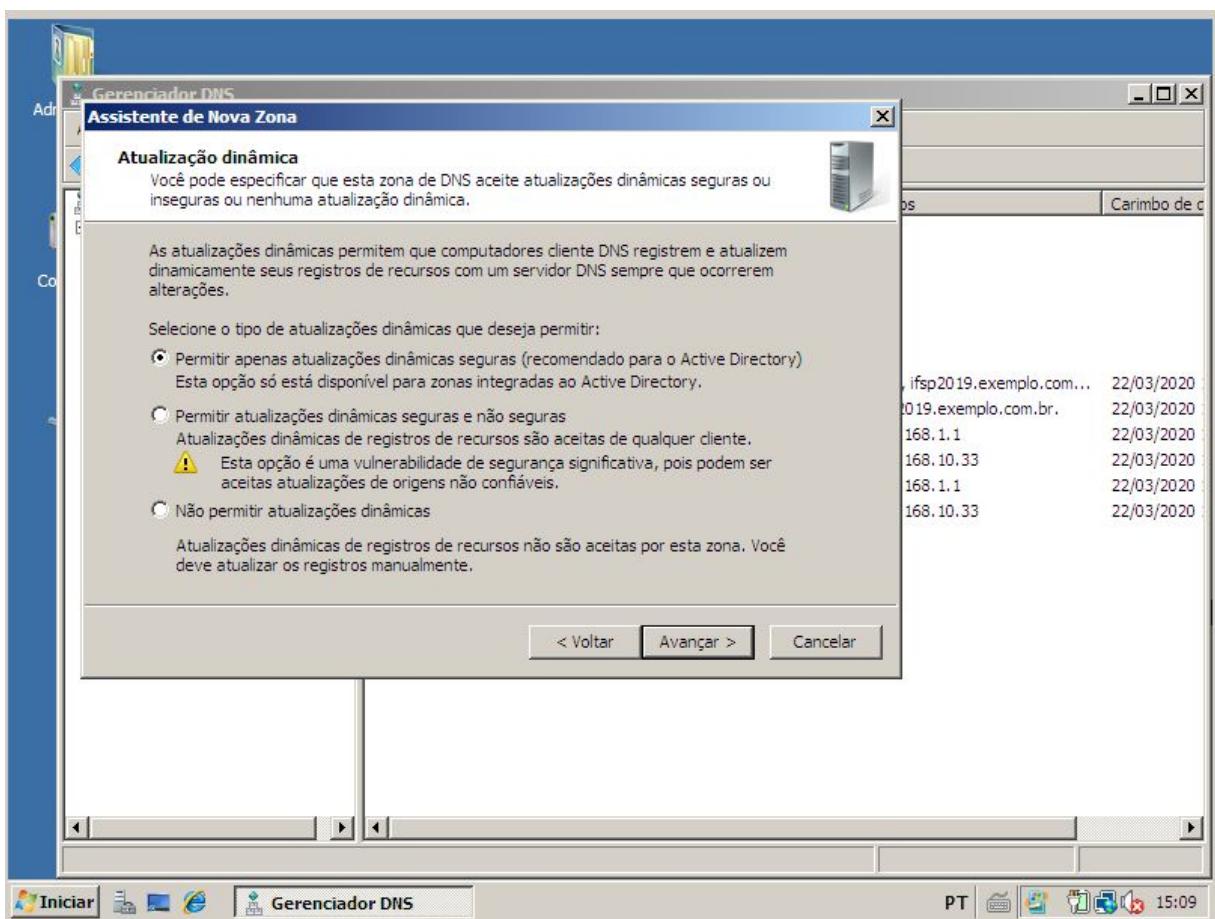


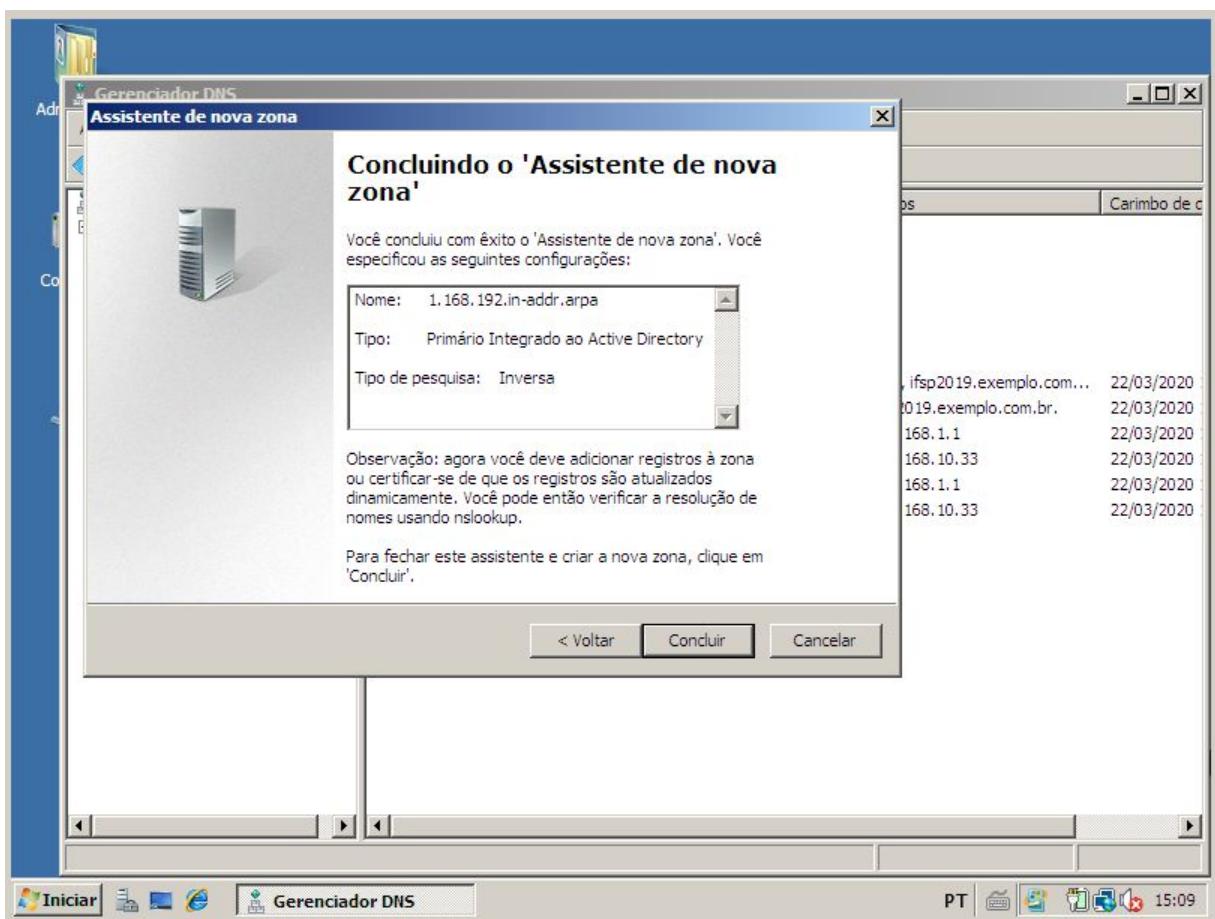


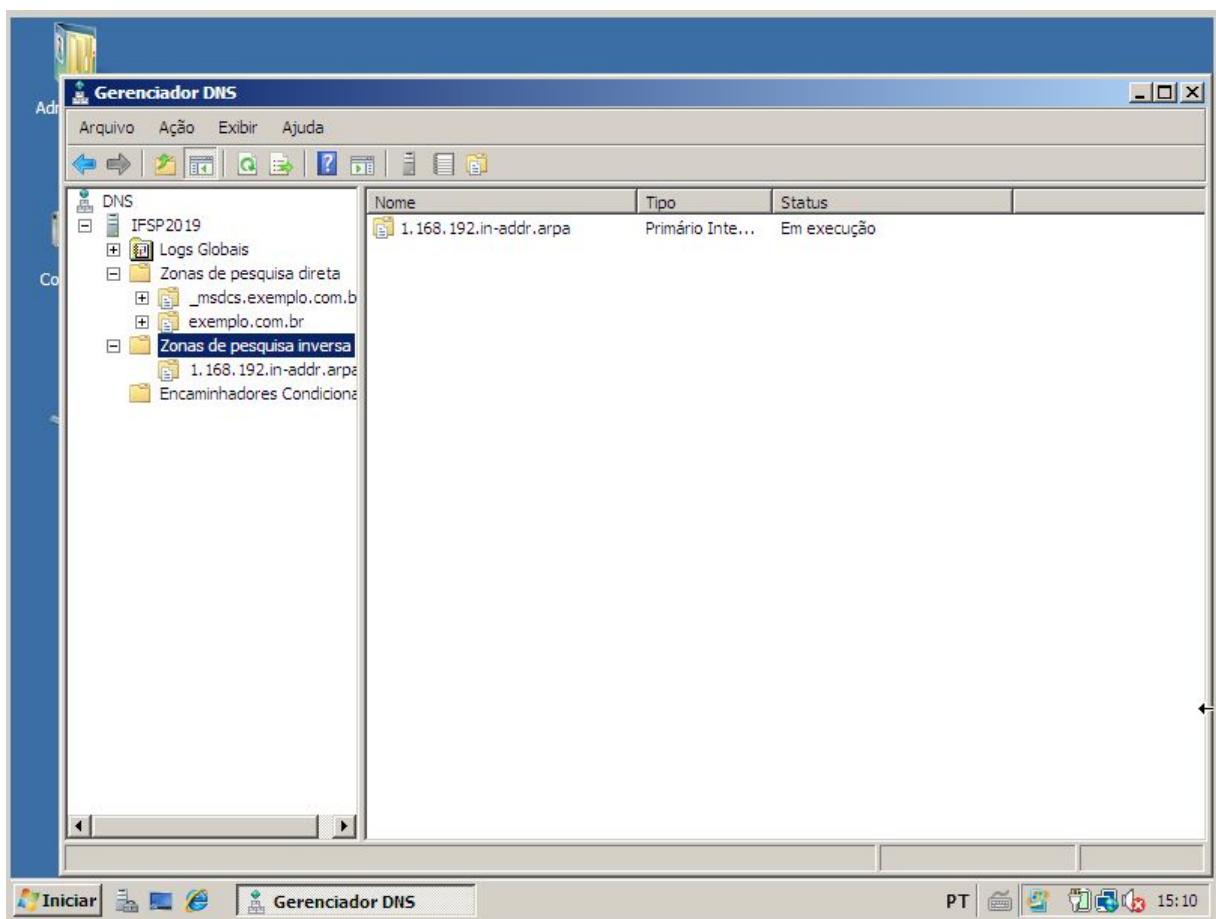


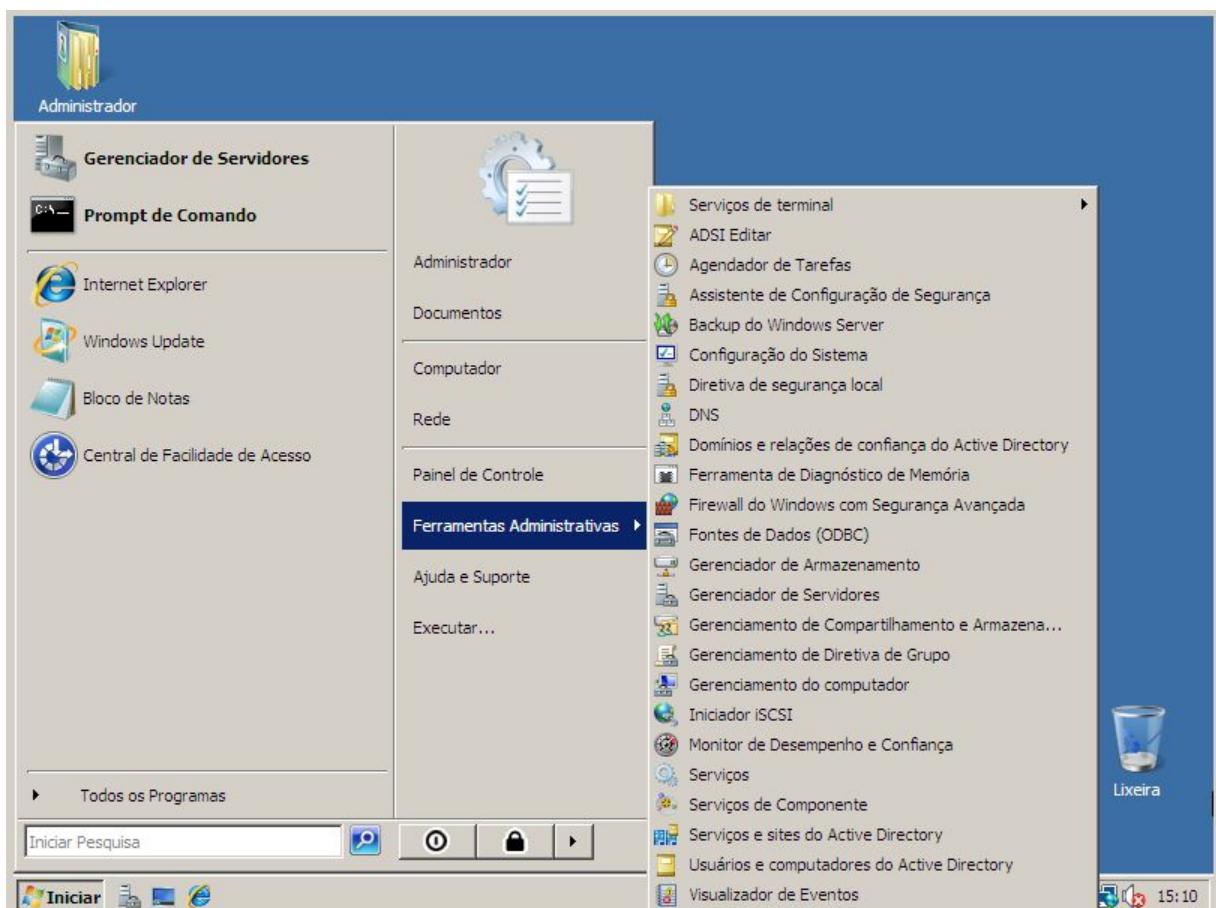


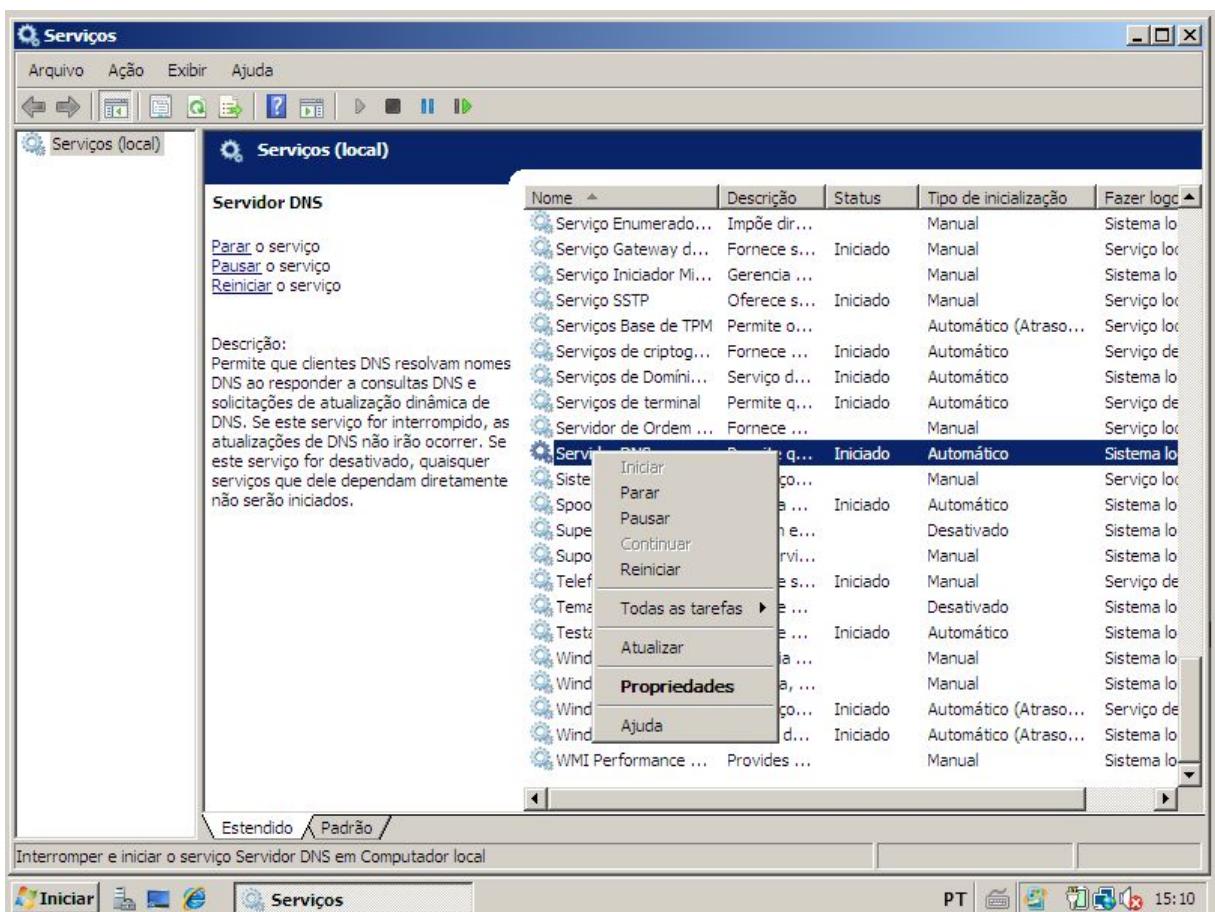


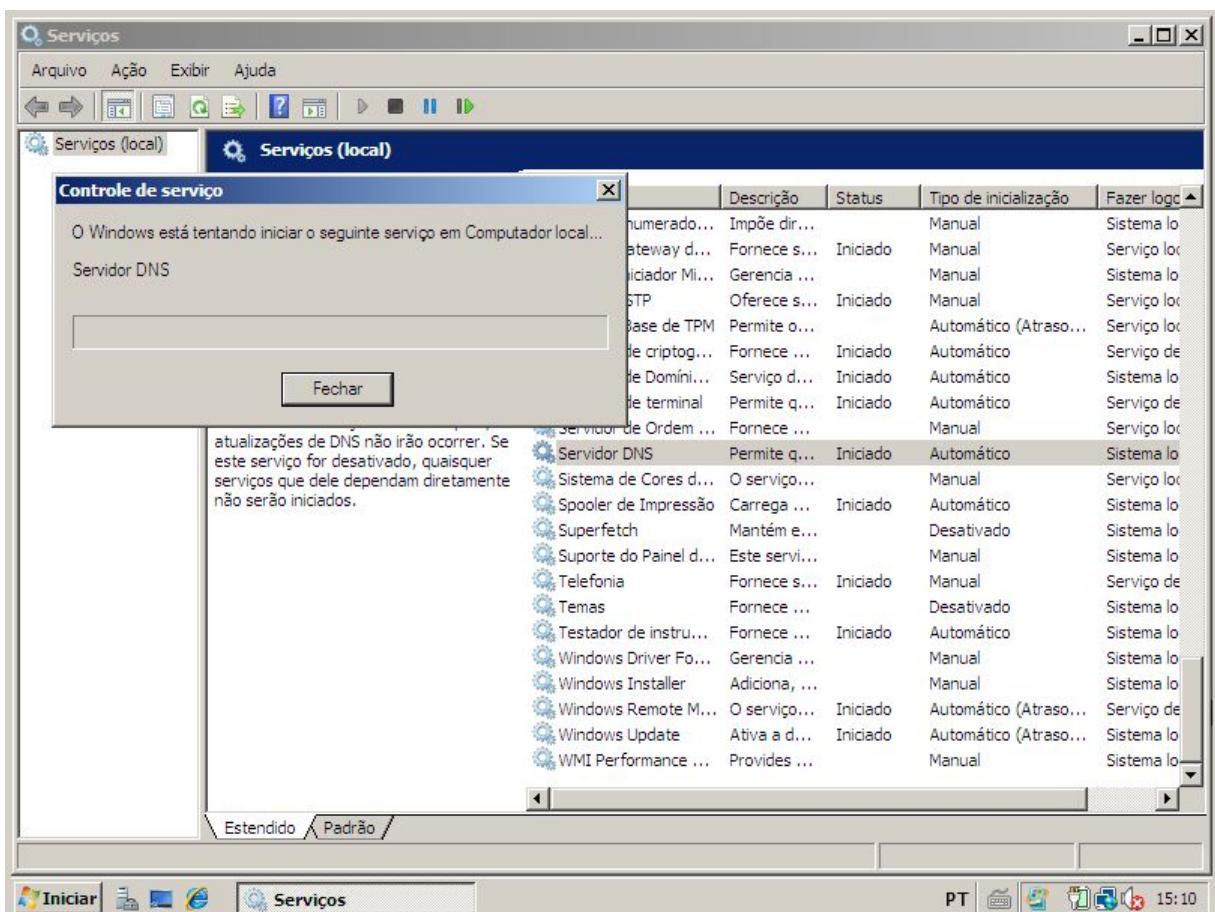








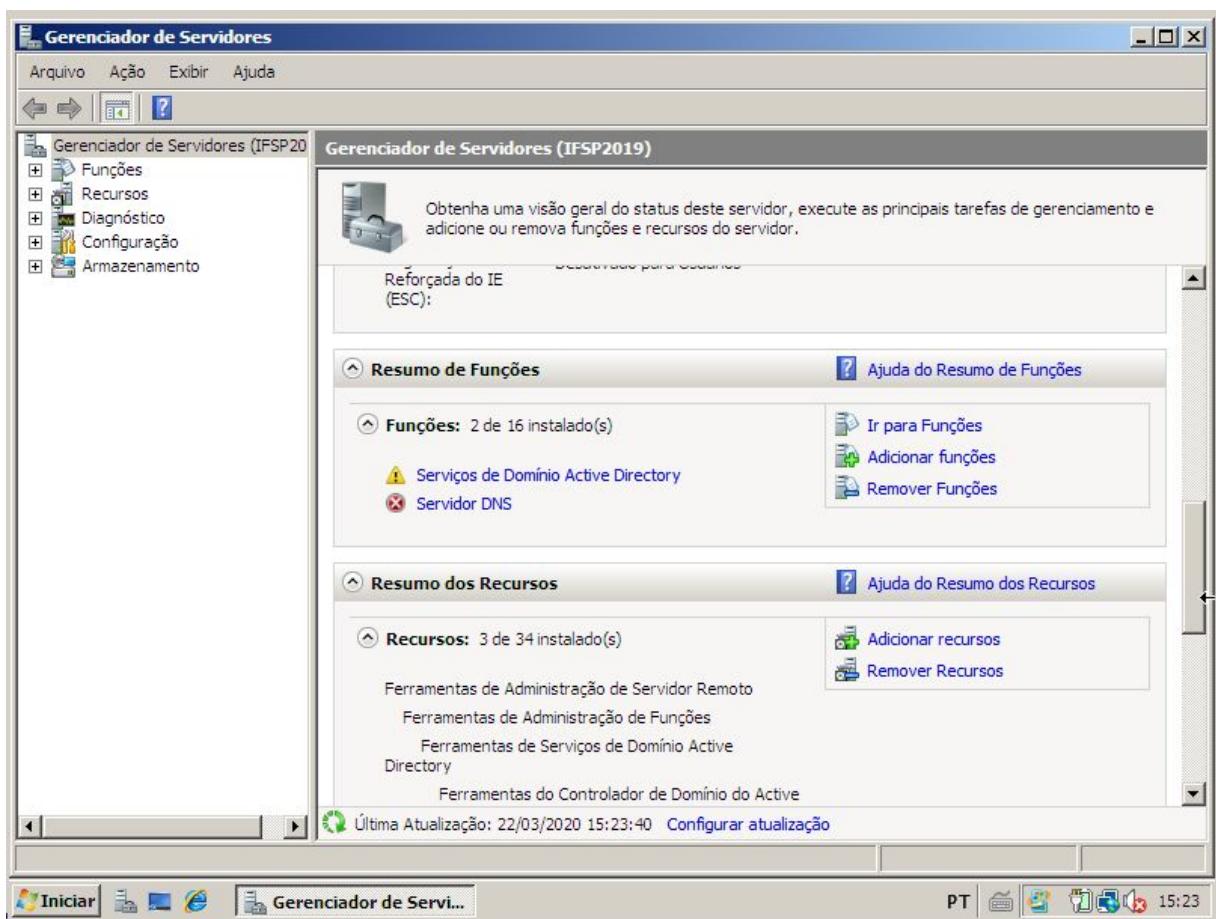


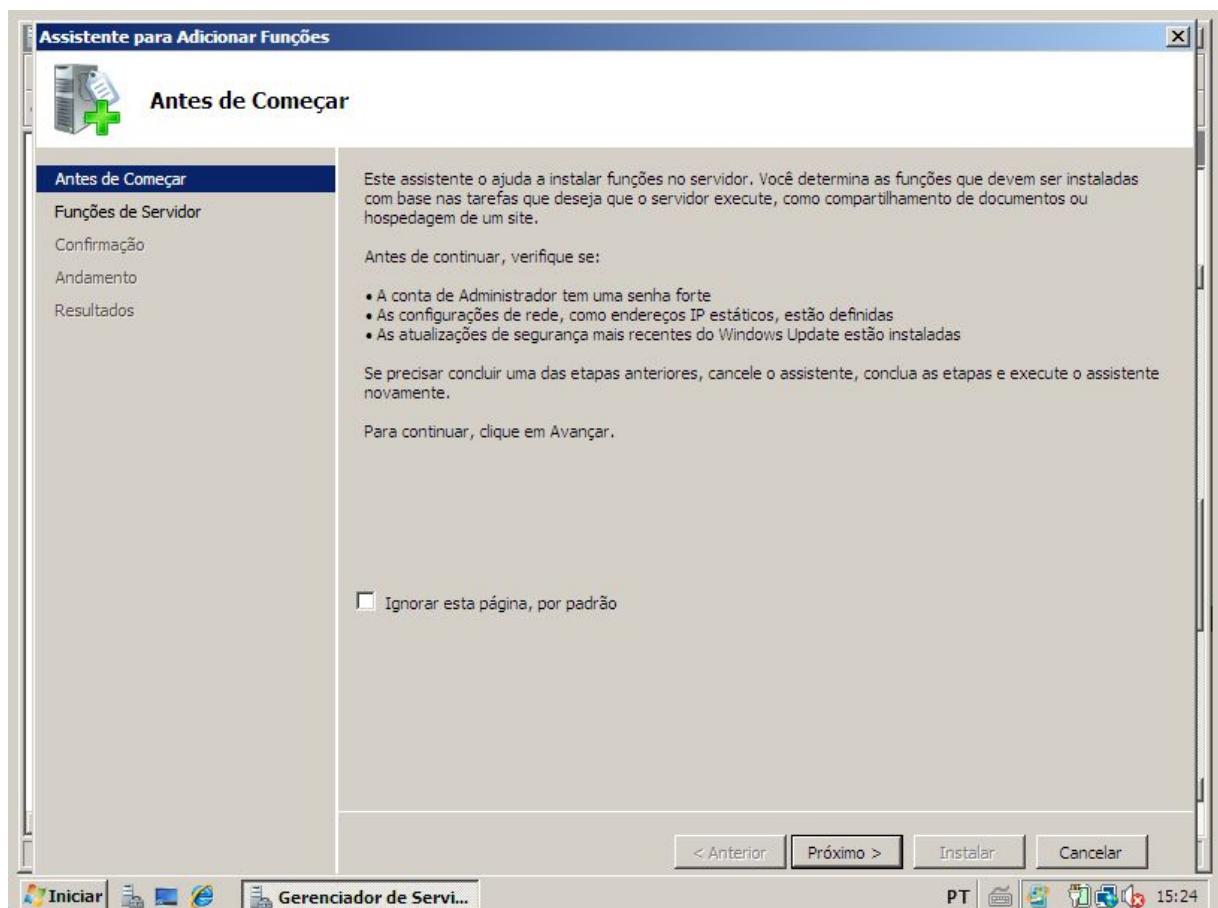


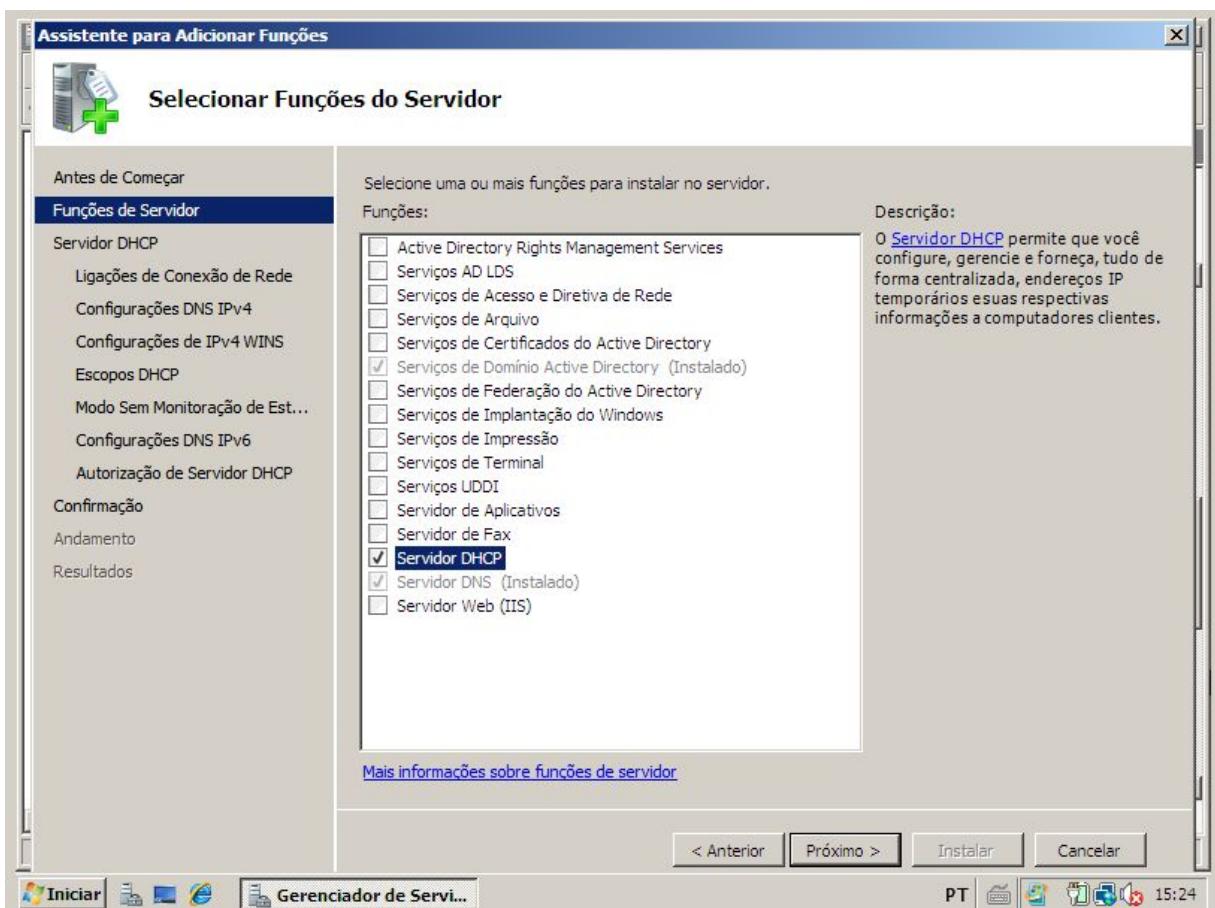
5.0 INSTALAR E CONFIGURAR O DHCP

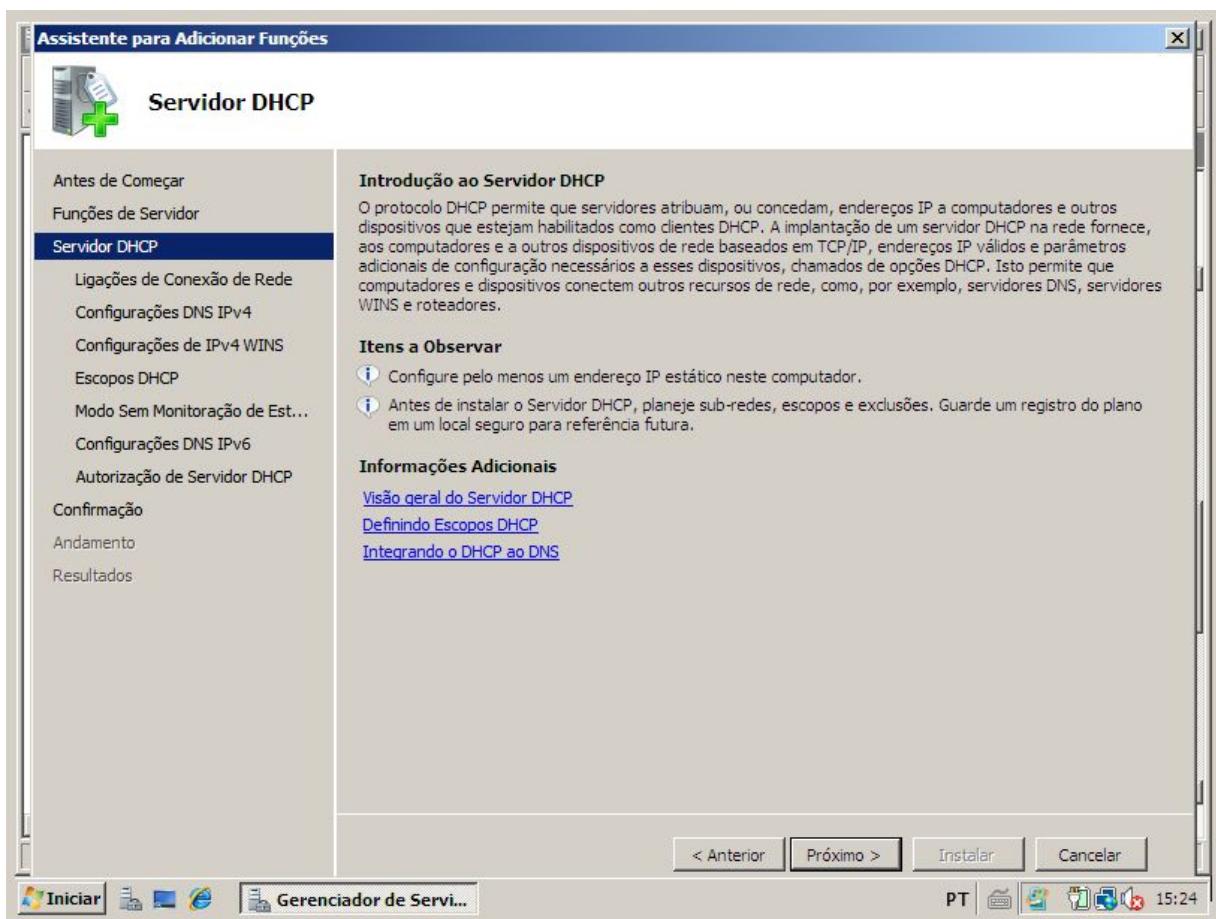
Depois de configurar o DNS, vamos instalar e configurar o servidor DHCP.

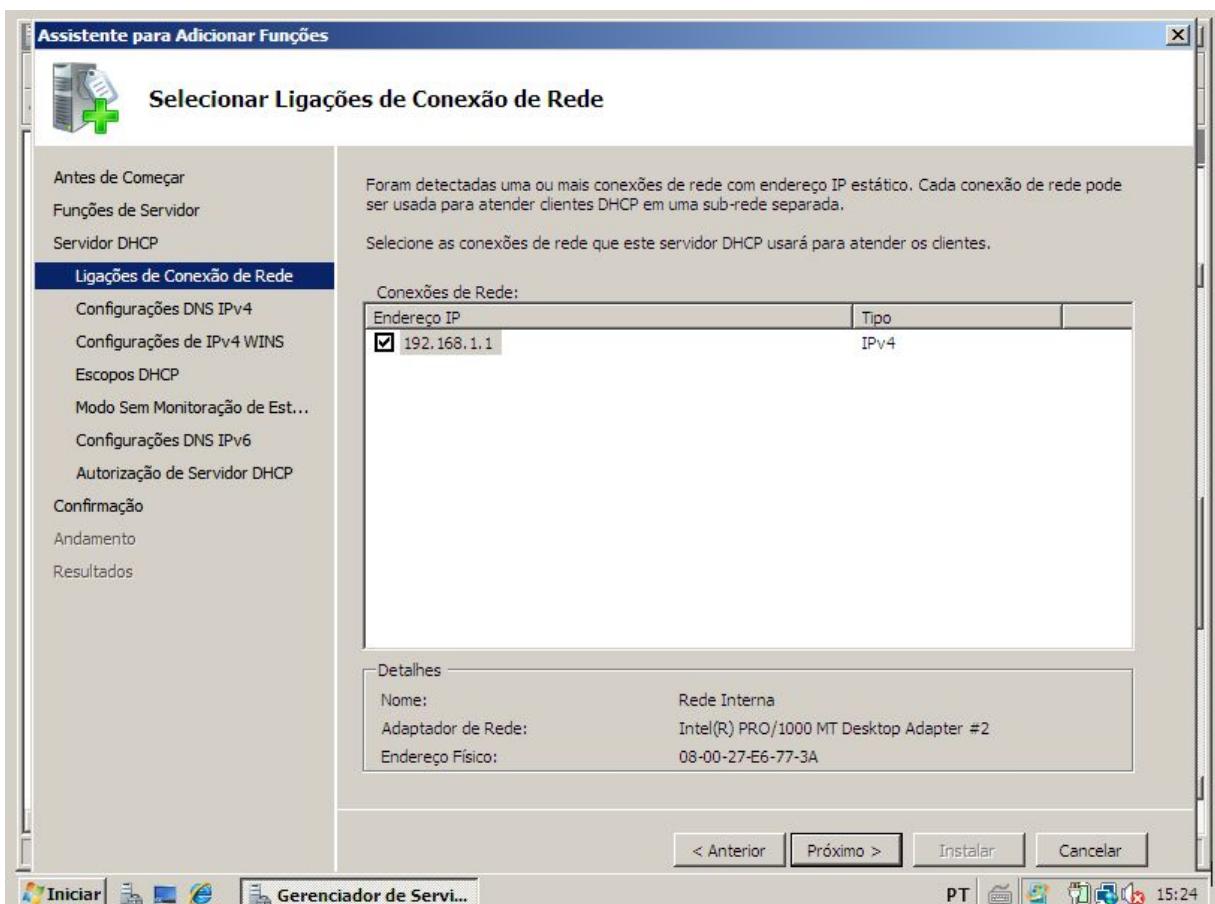
O DHCP é instalado pelo *Gerenciador de Servidores* (Iniciar > Ferramentas Administrativas > Gerenciador de Servidores) e configurado no *DHCP* (Iniciar > Ferramentas Administrativas > DHCP). Depois de configurado, devemos reiniciar o serviço de DHCP.

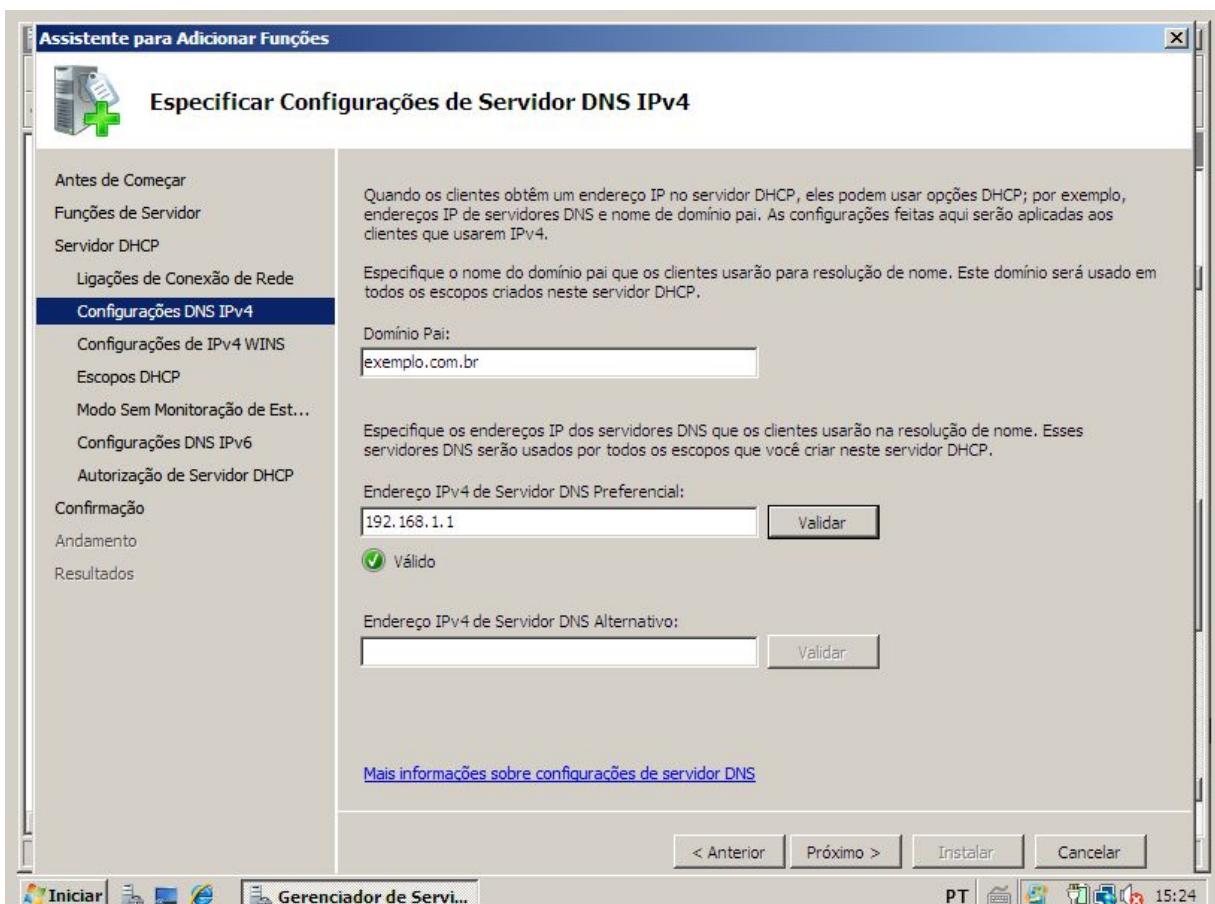


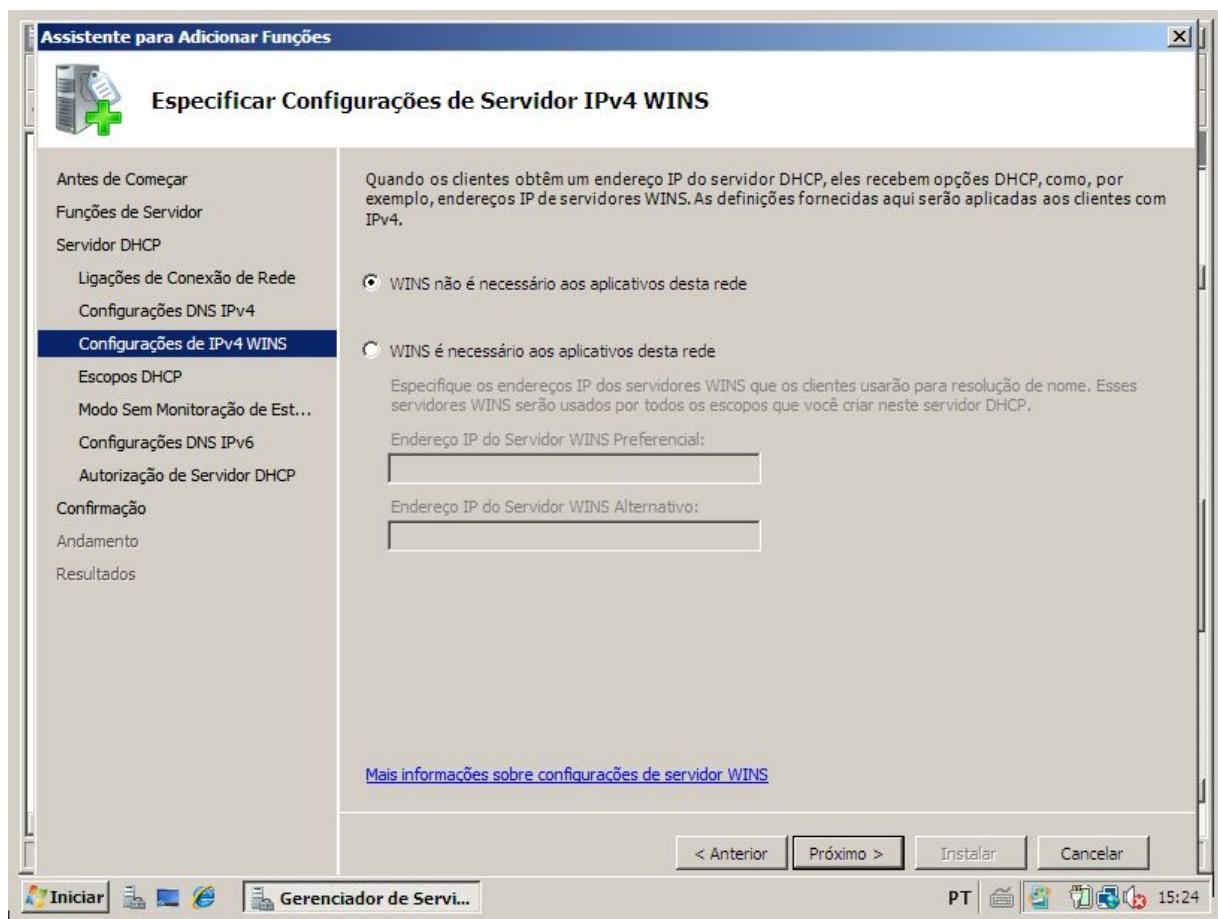


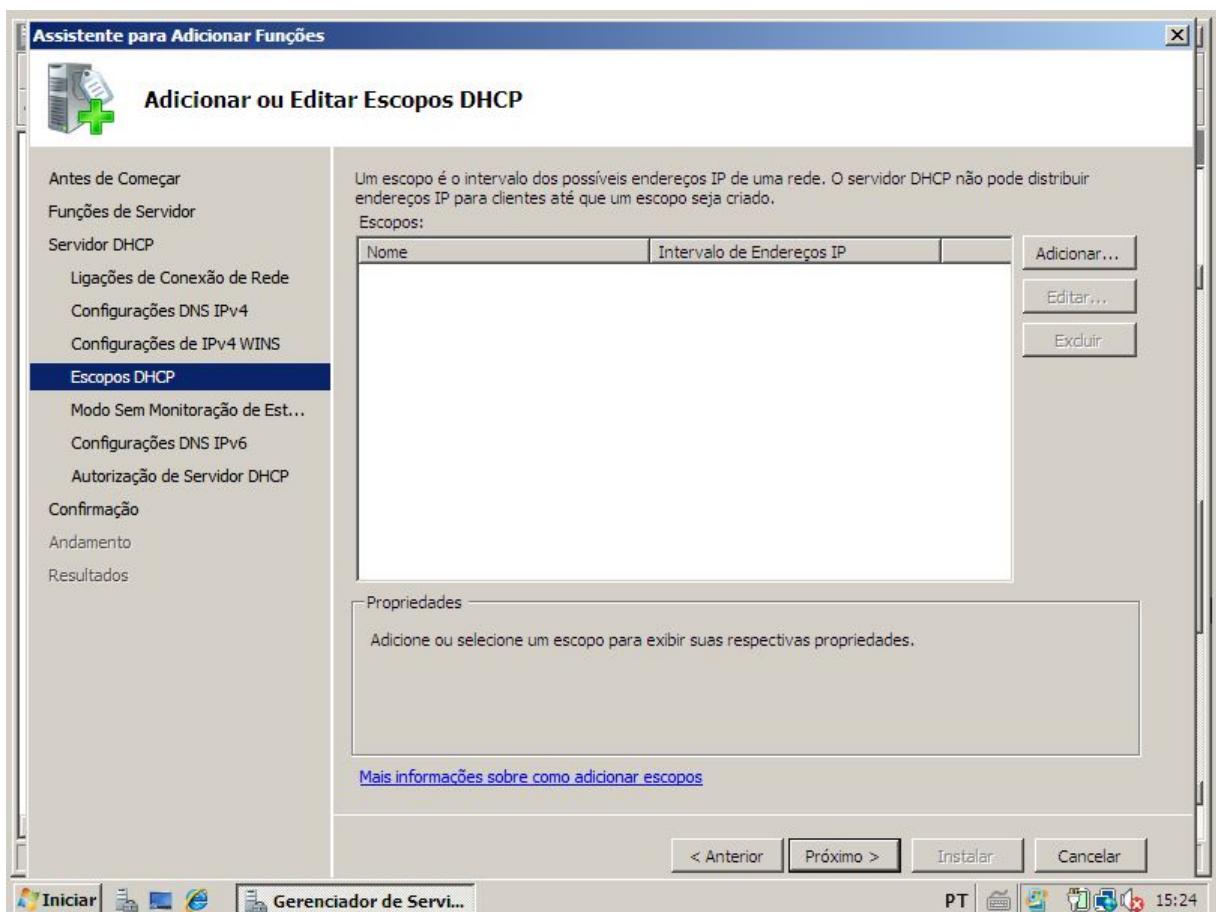


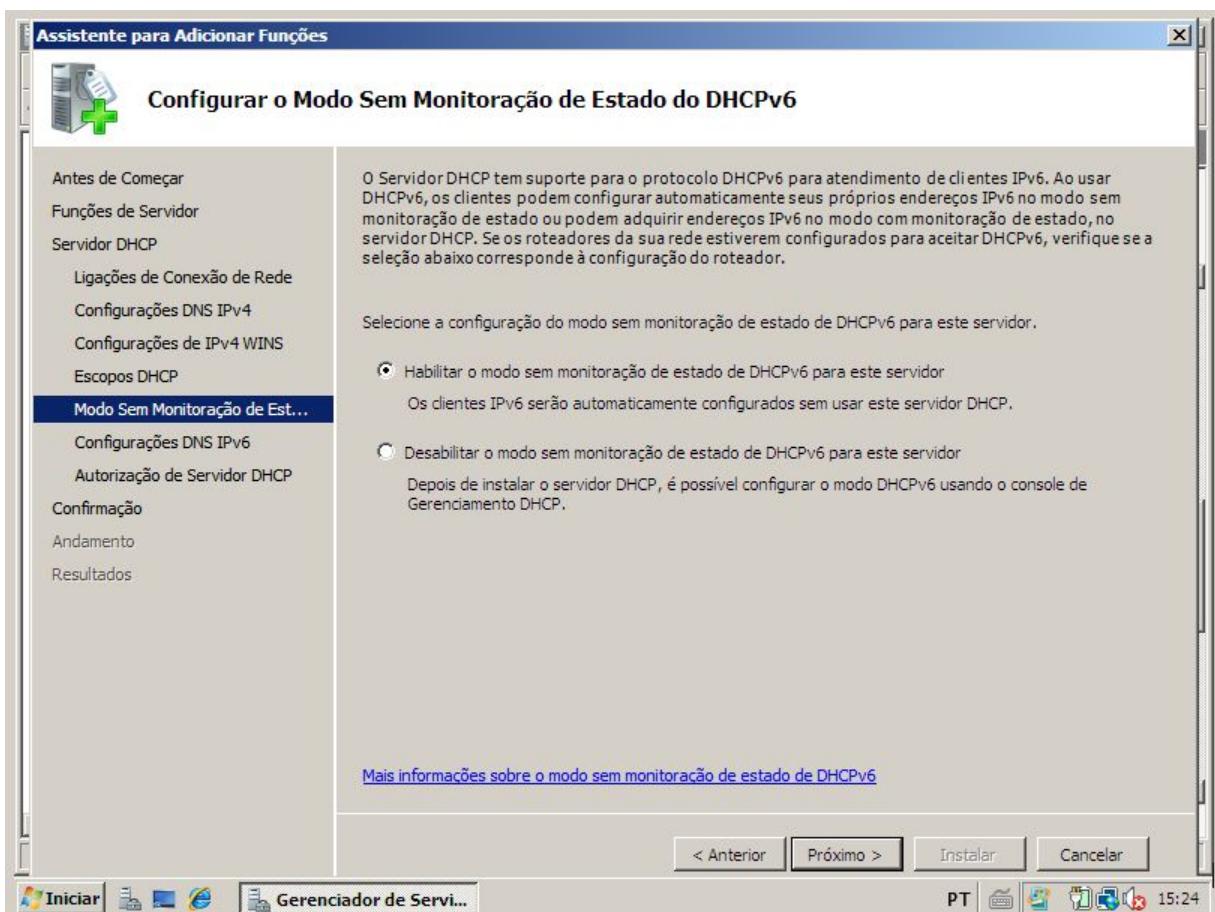


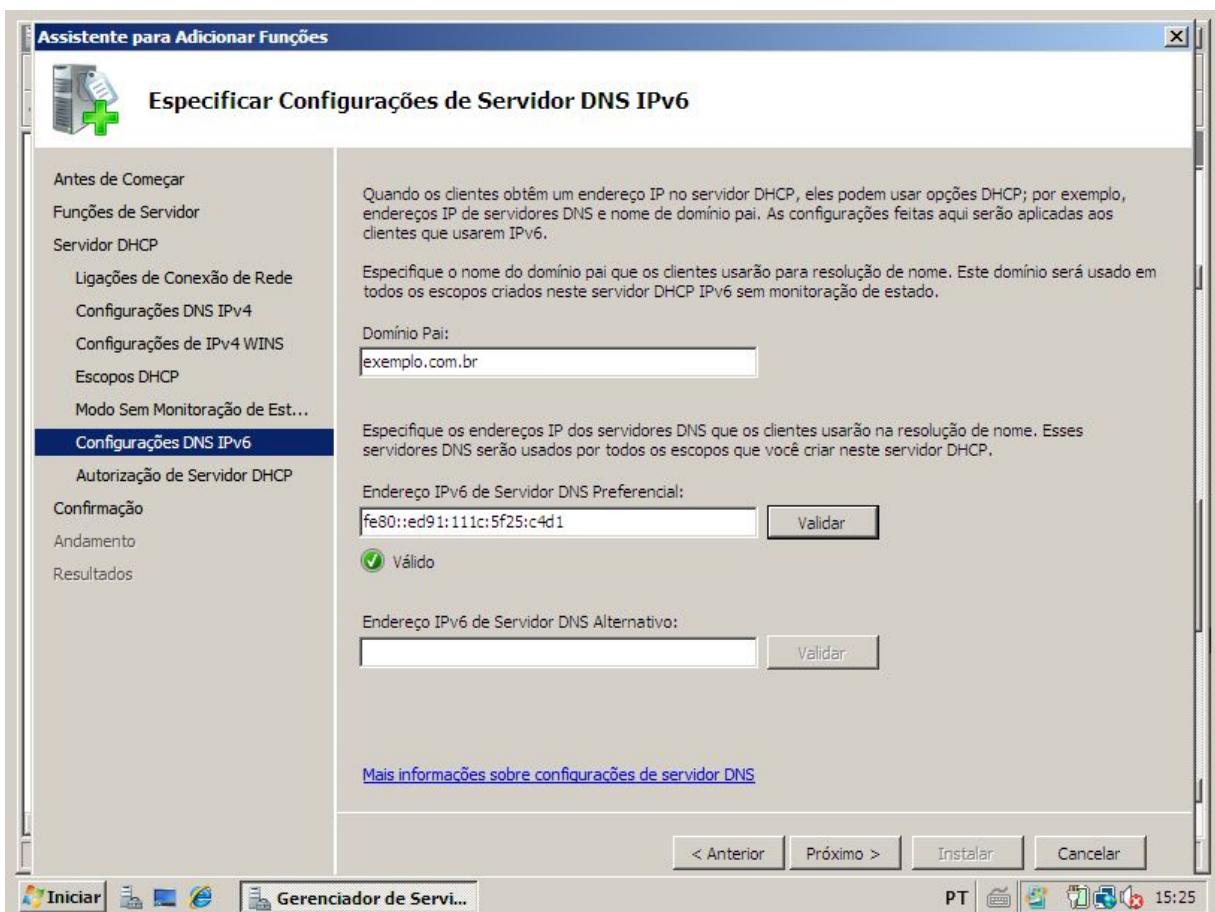


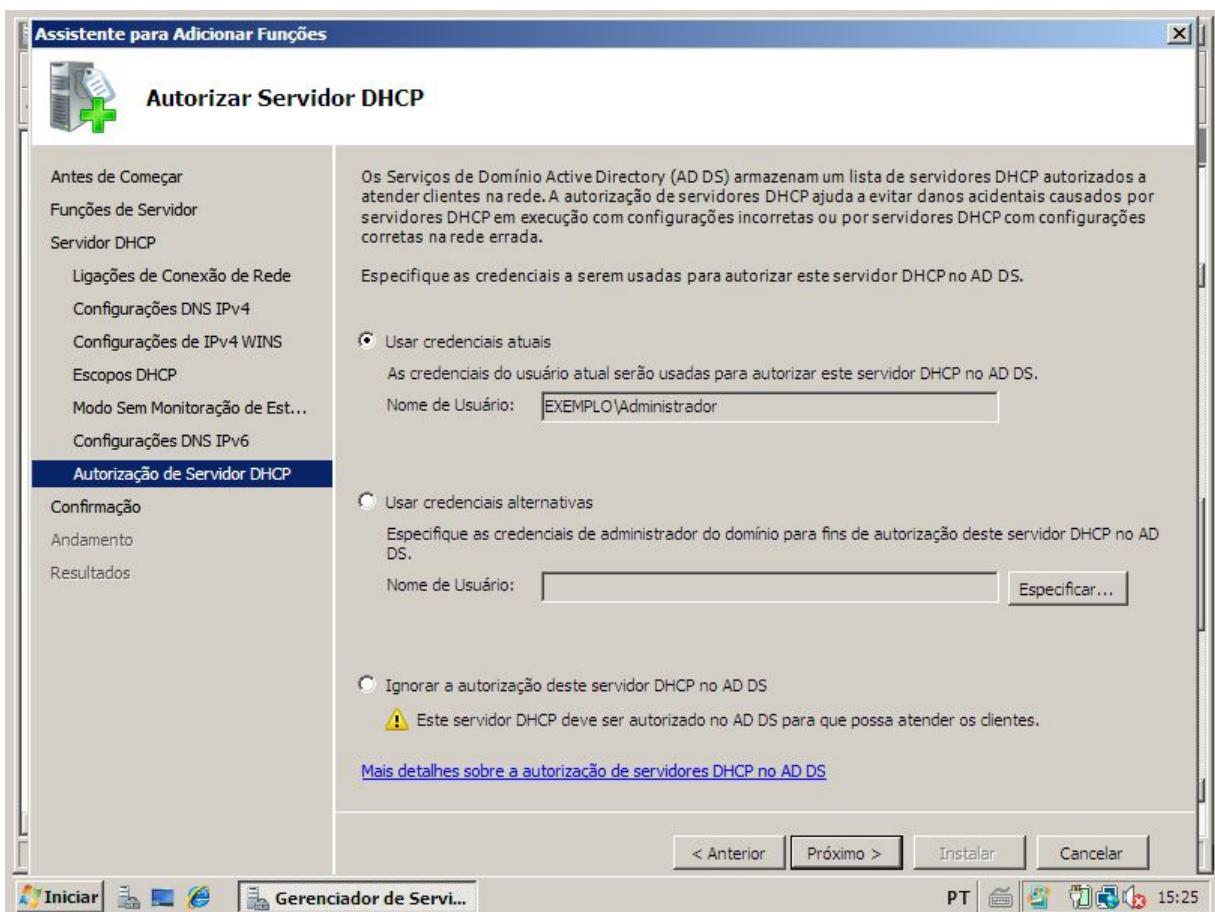


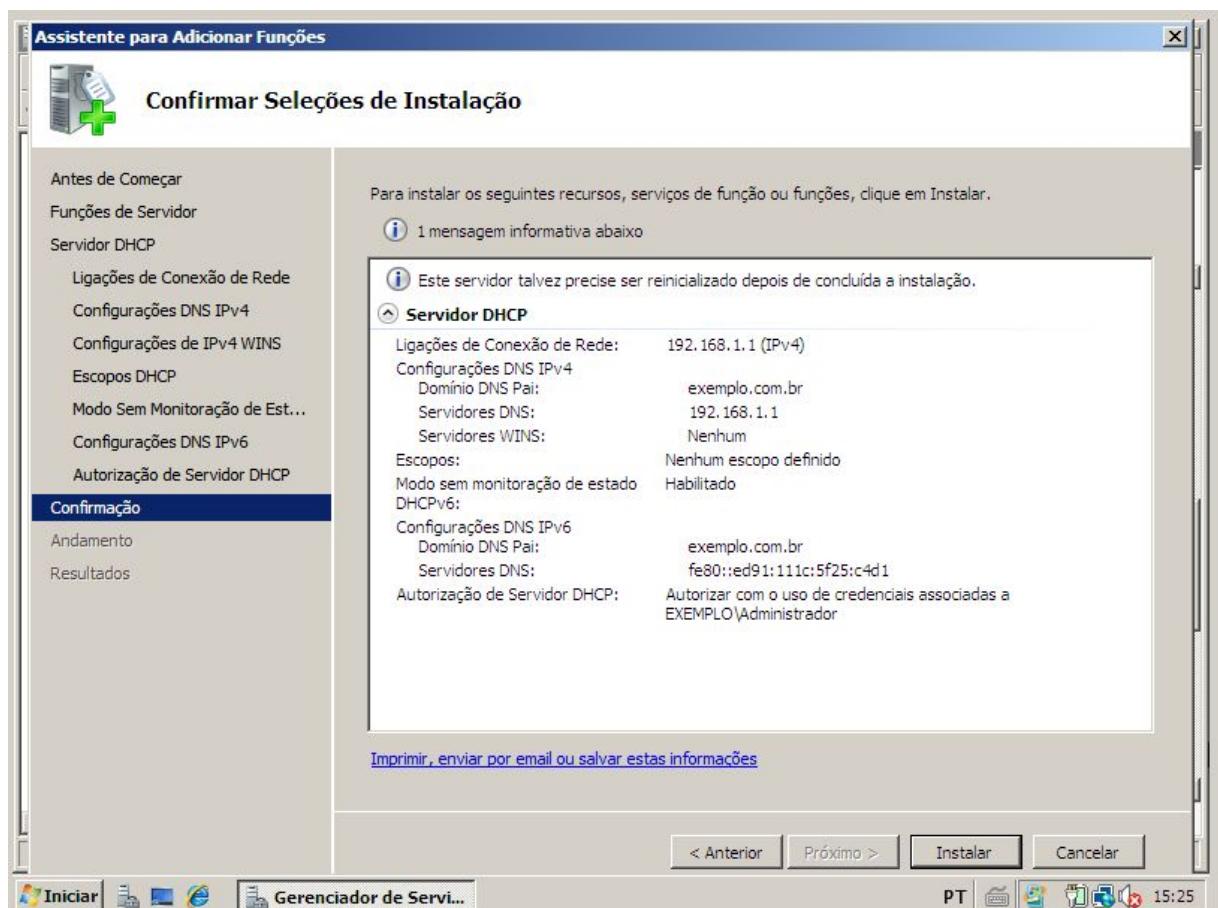


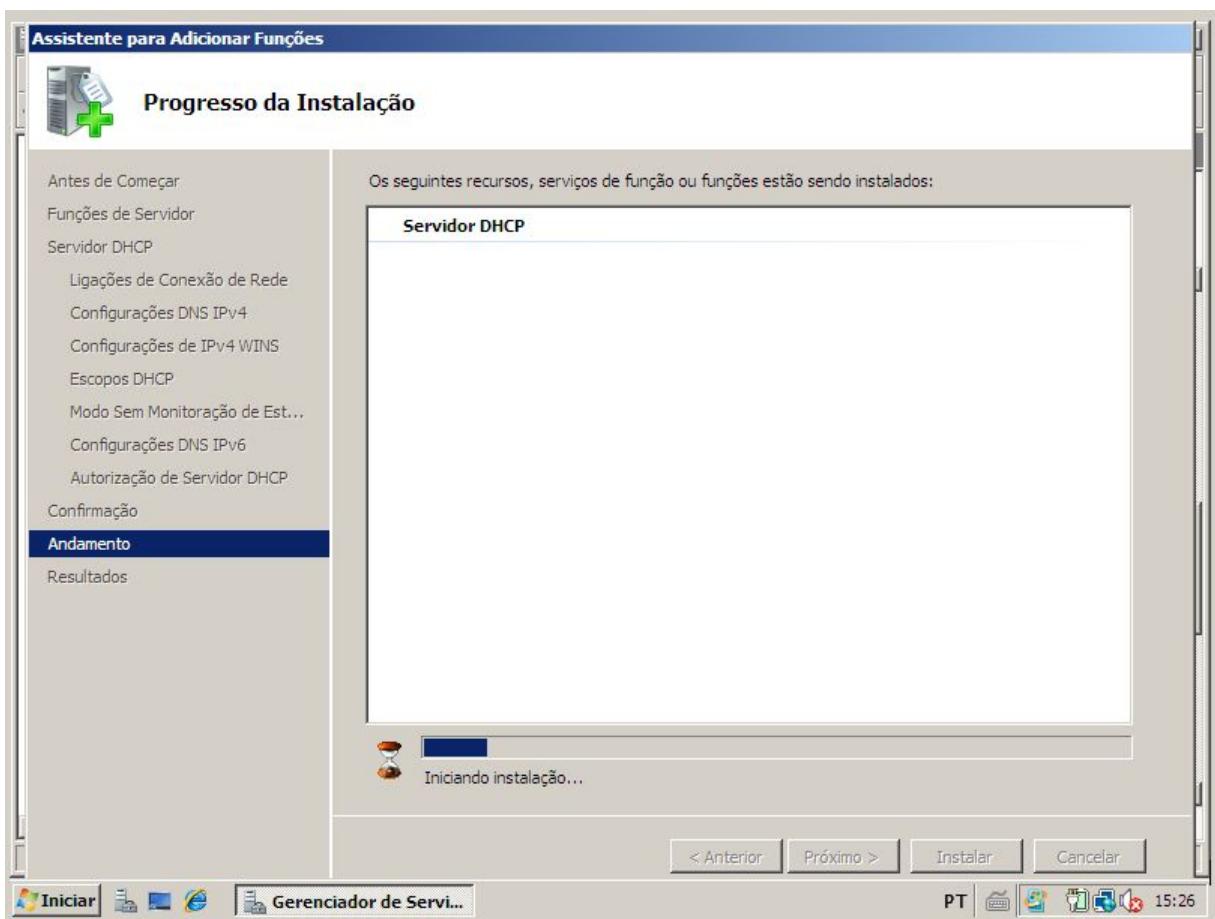


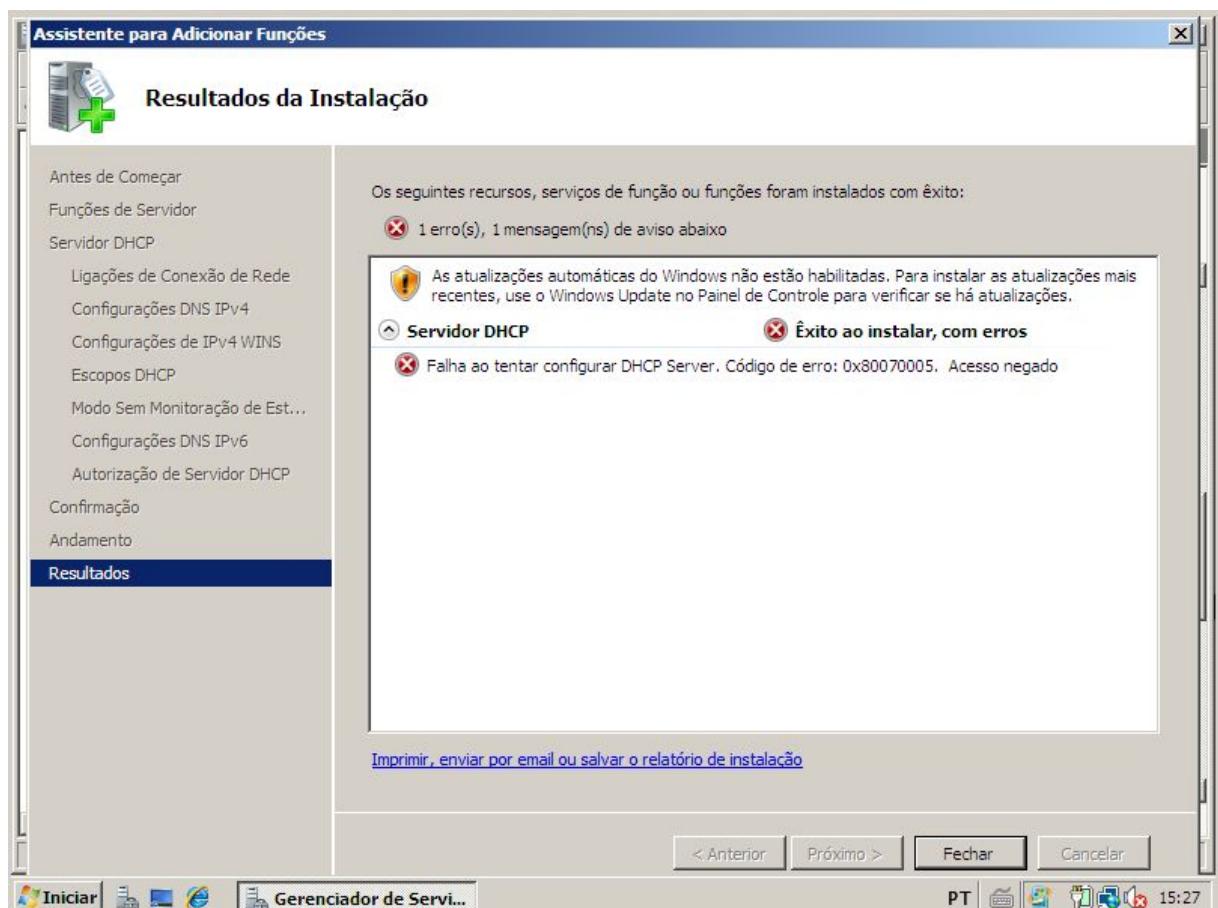


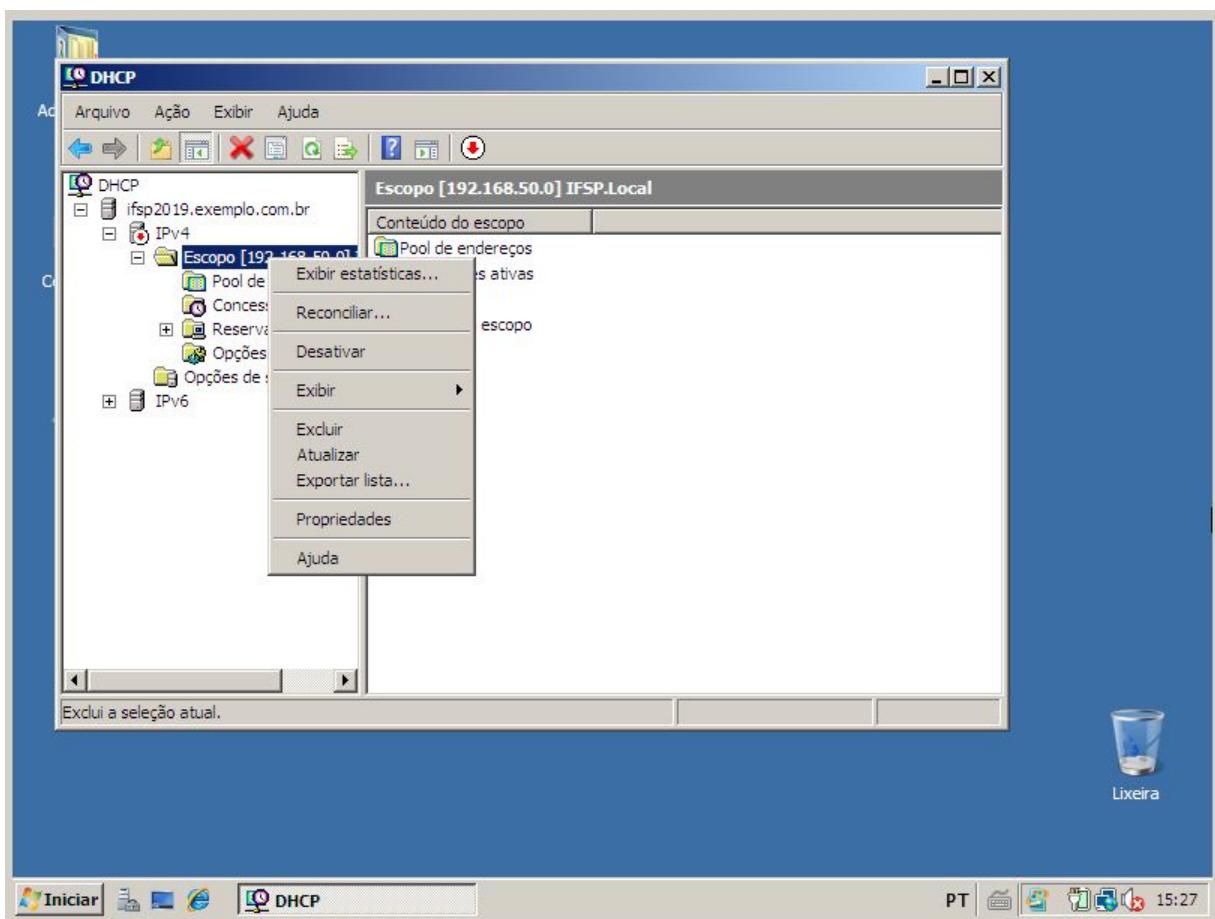


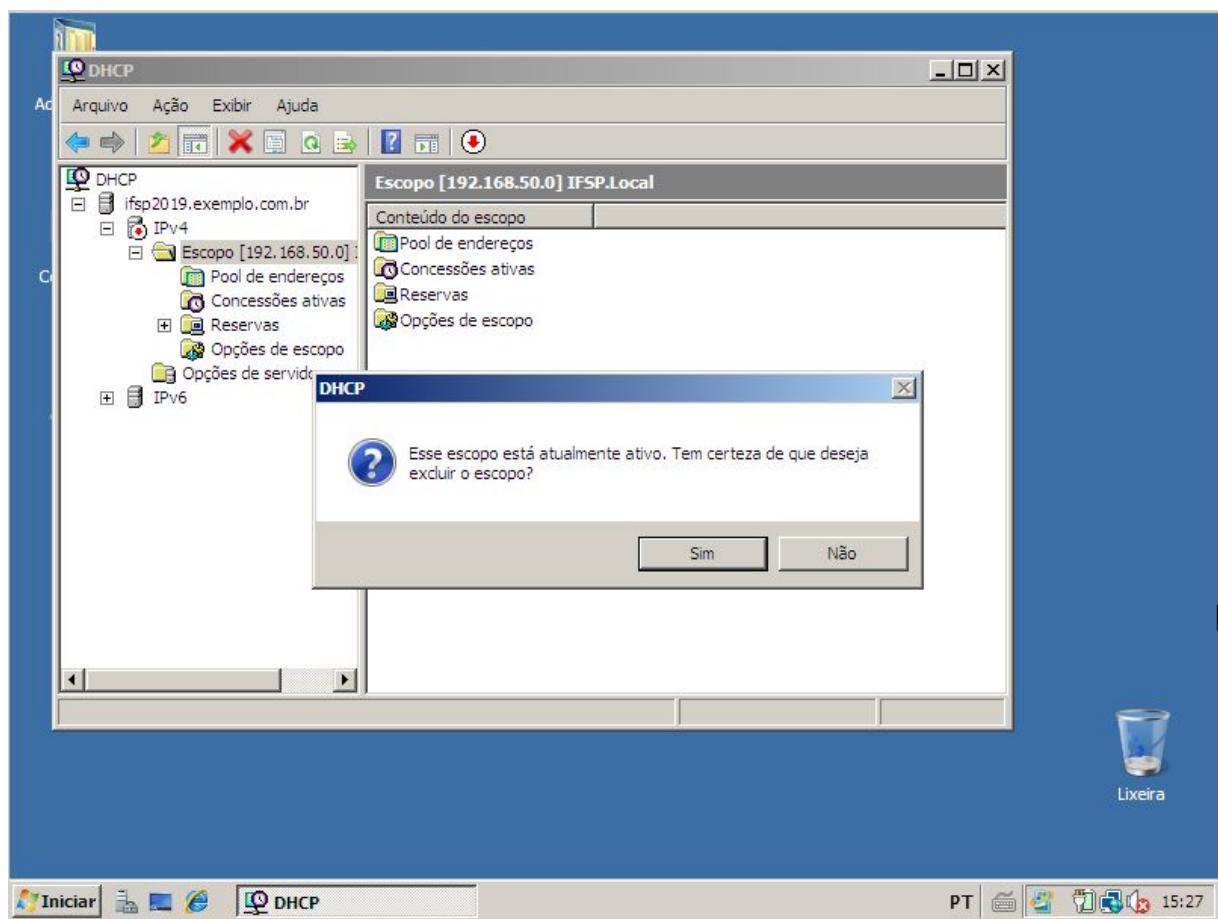


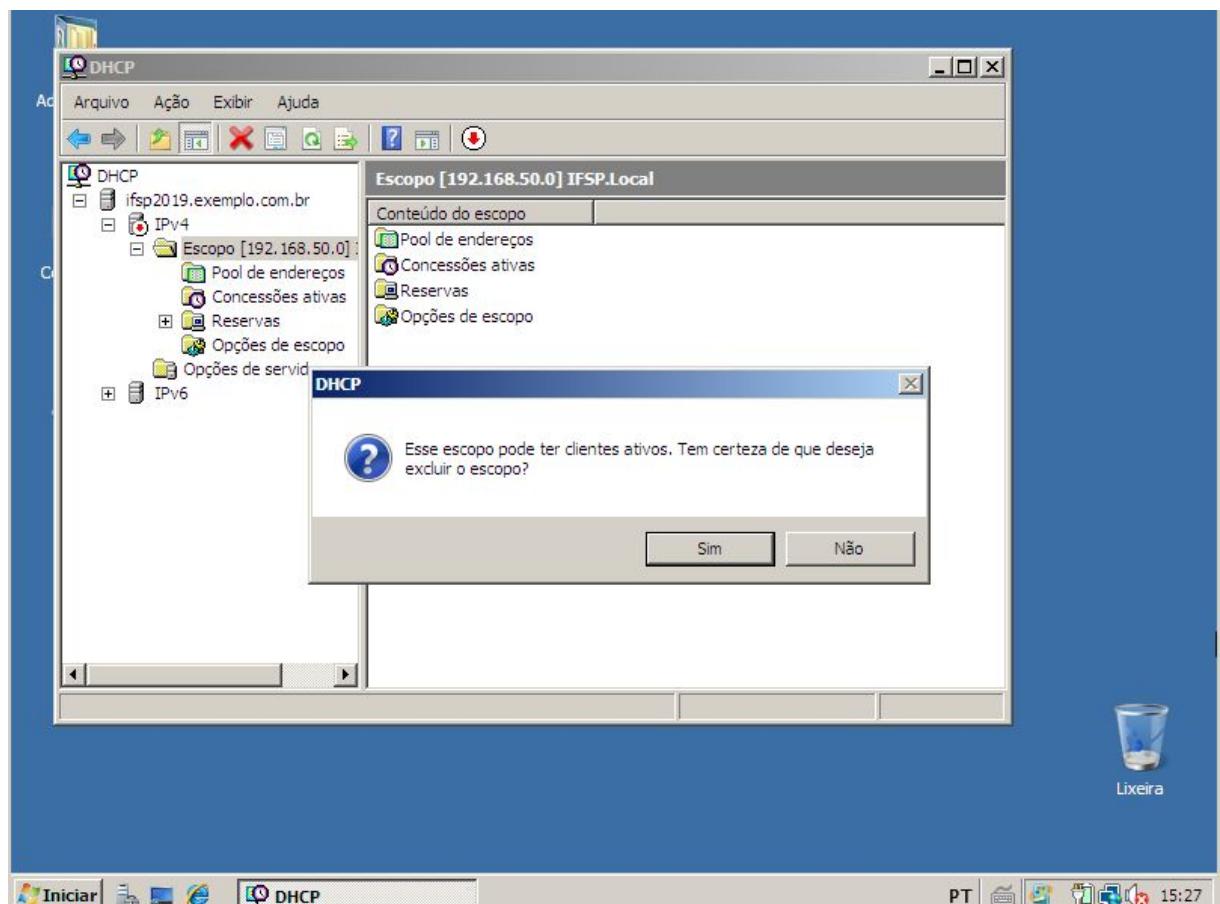


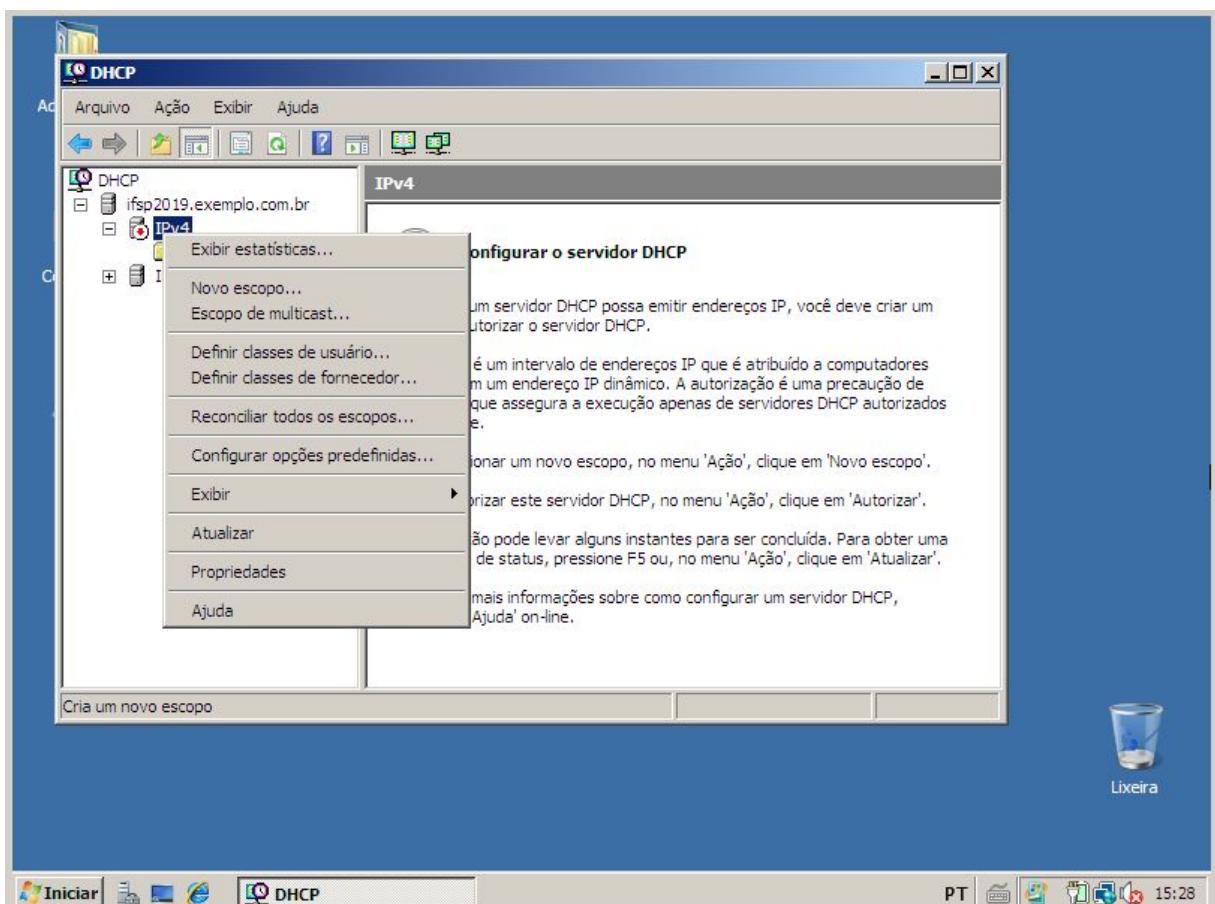


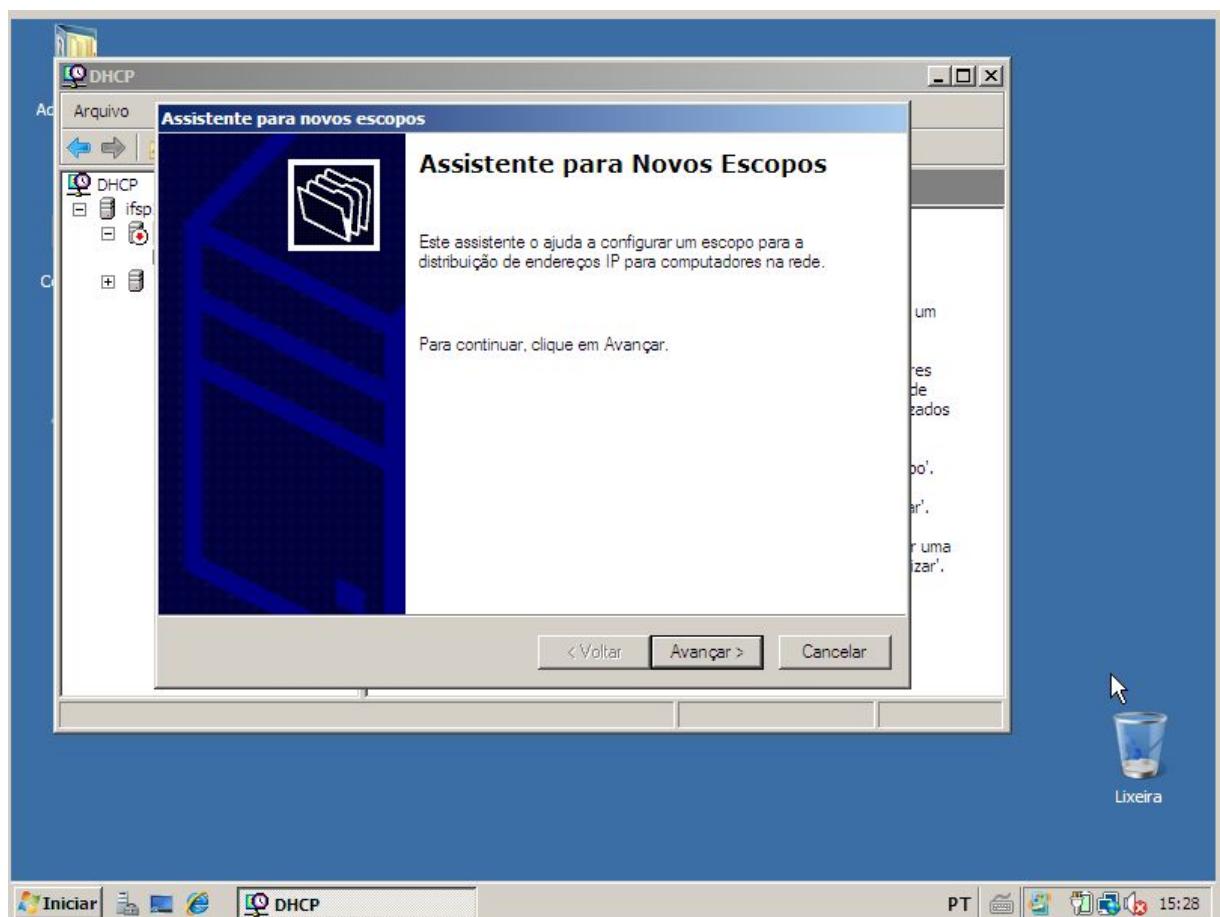


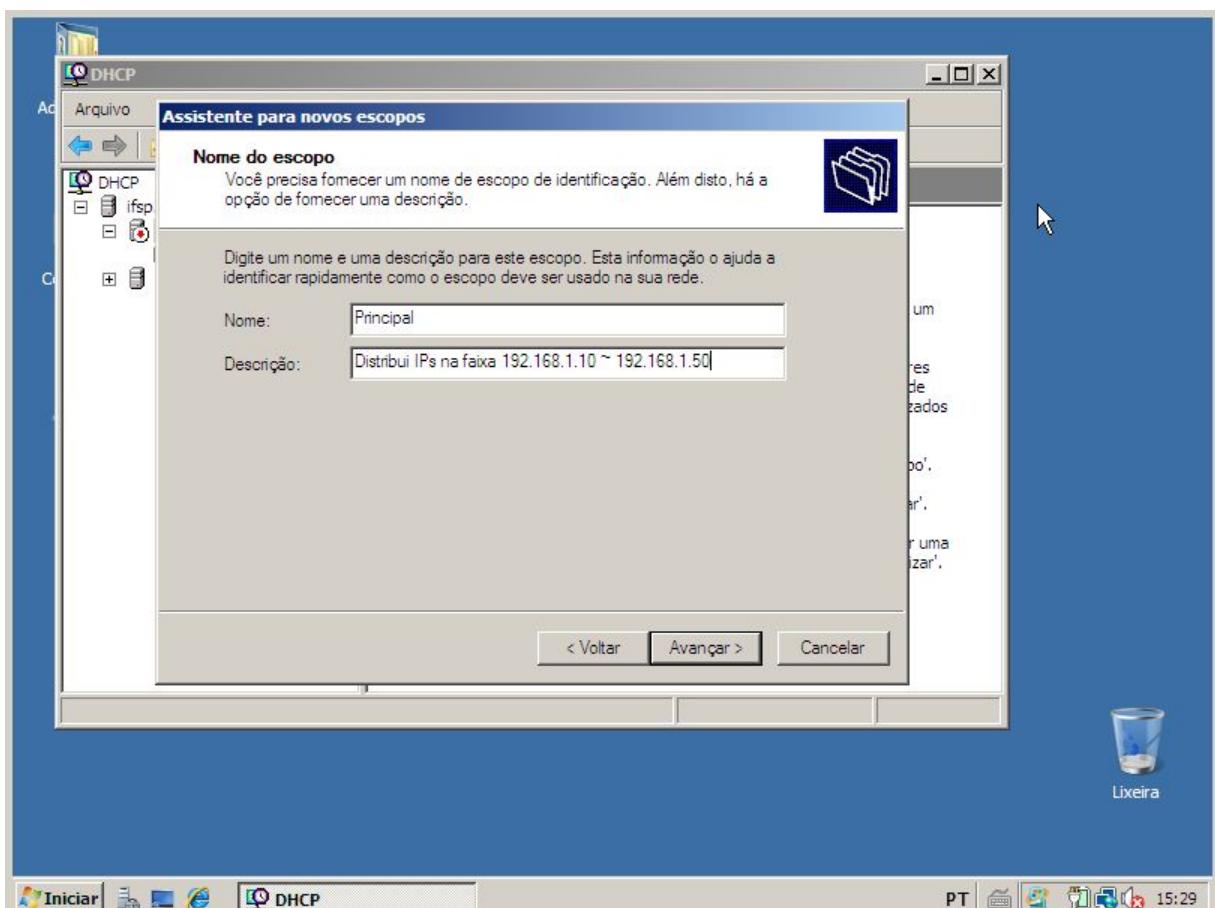


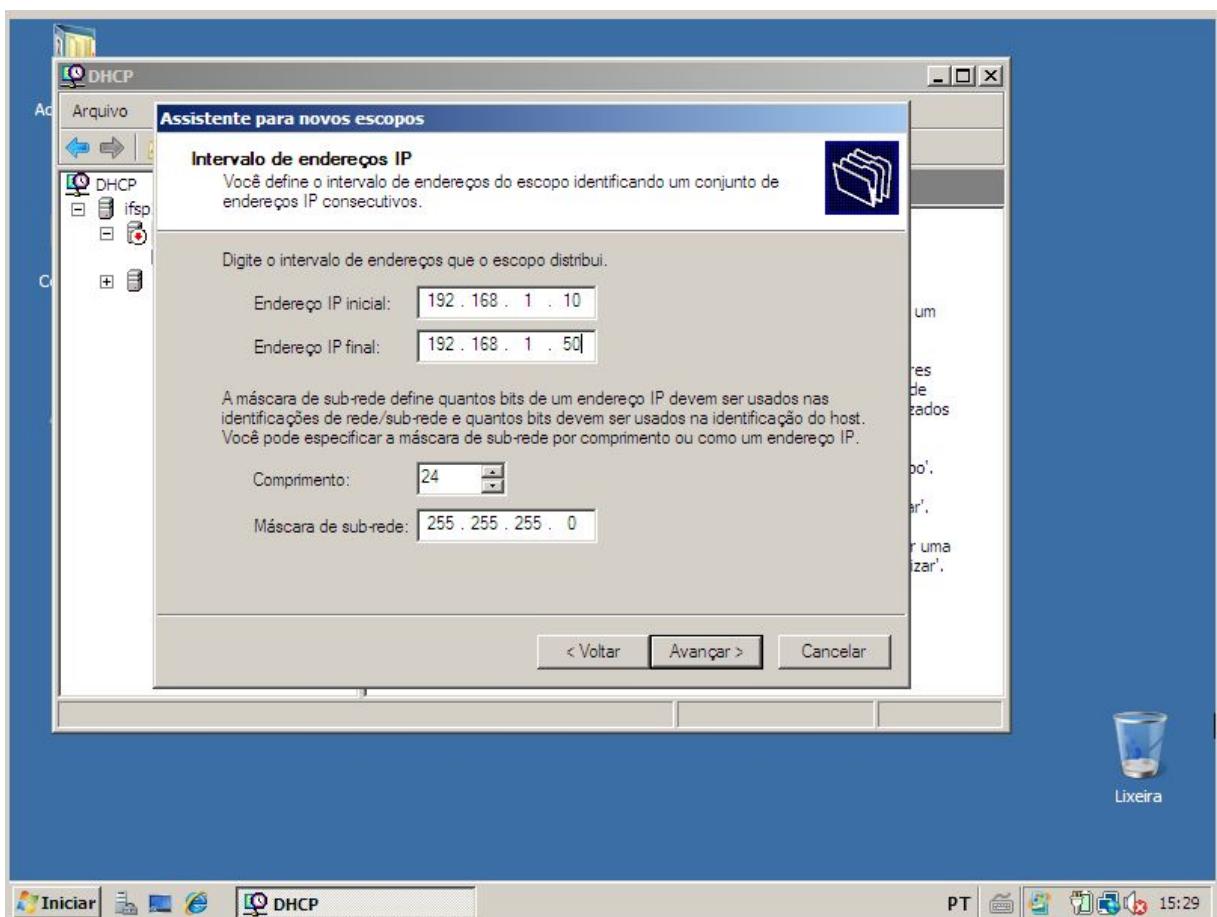


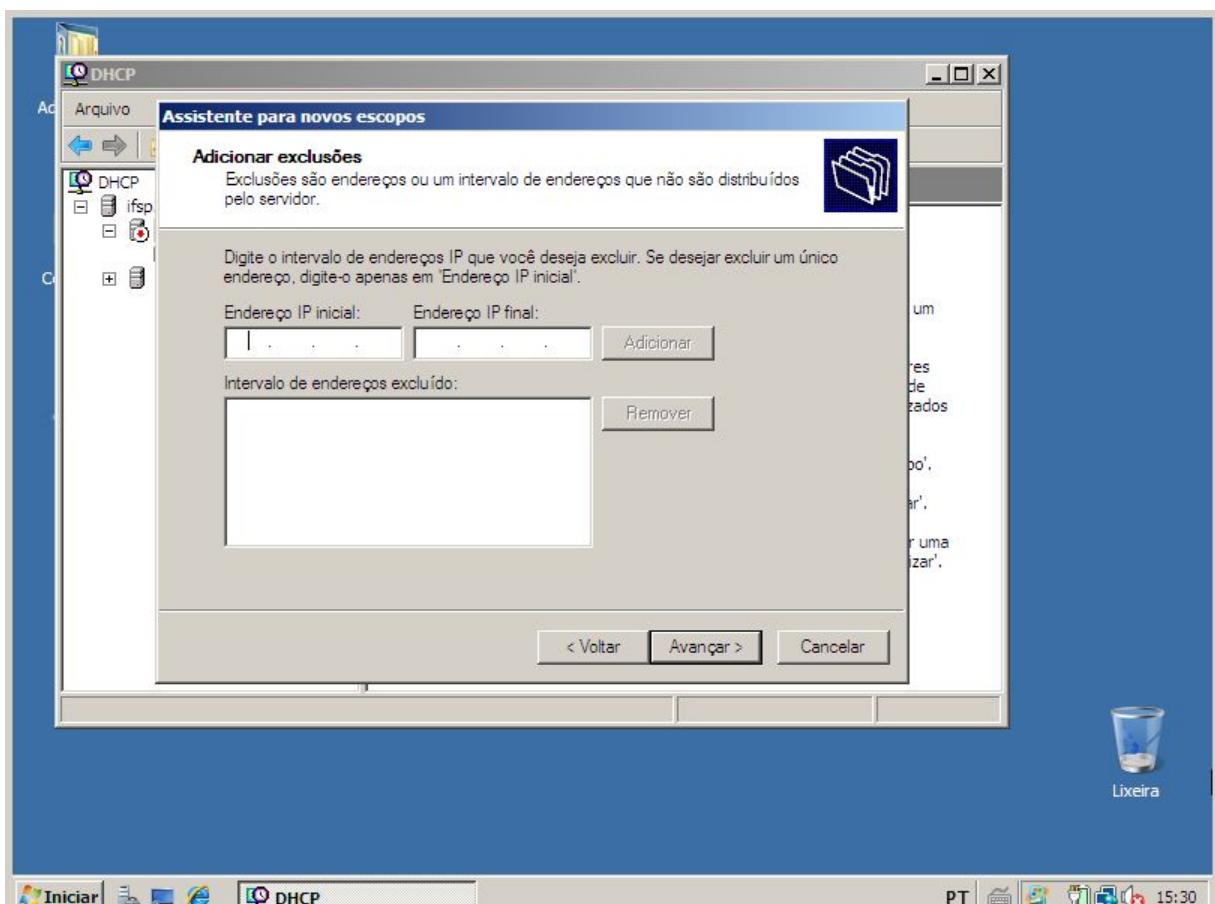


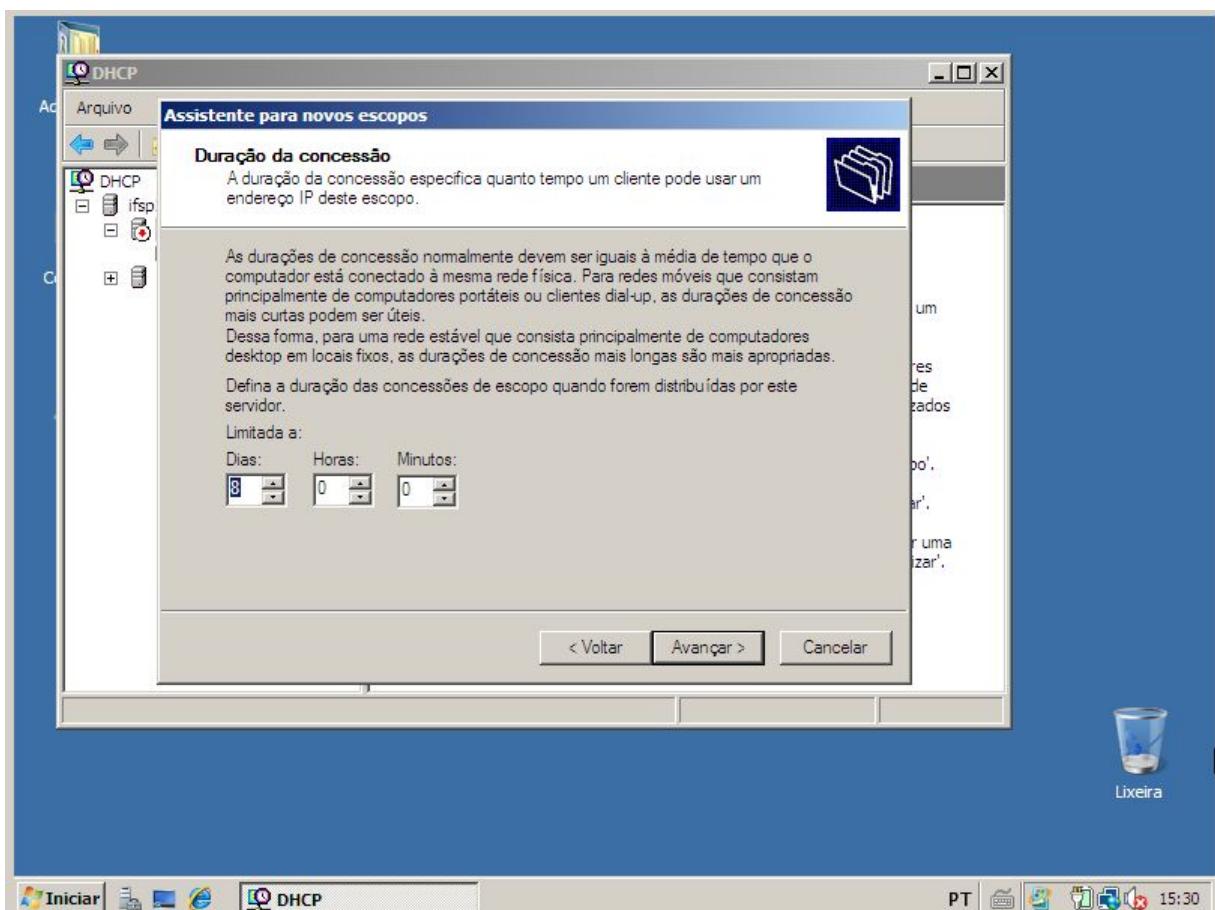


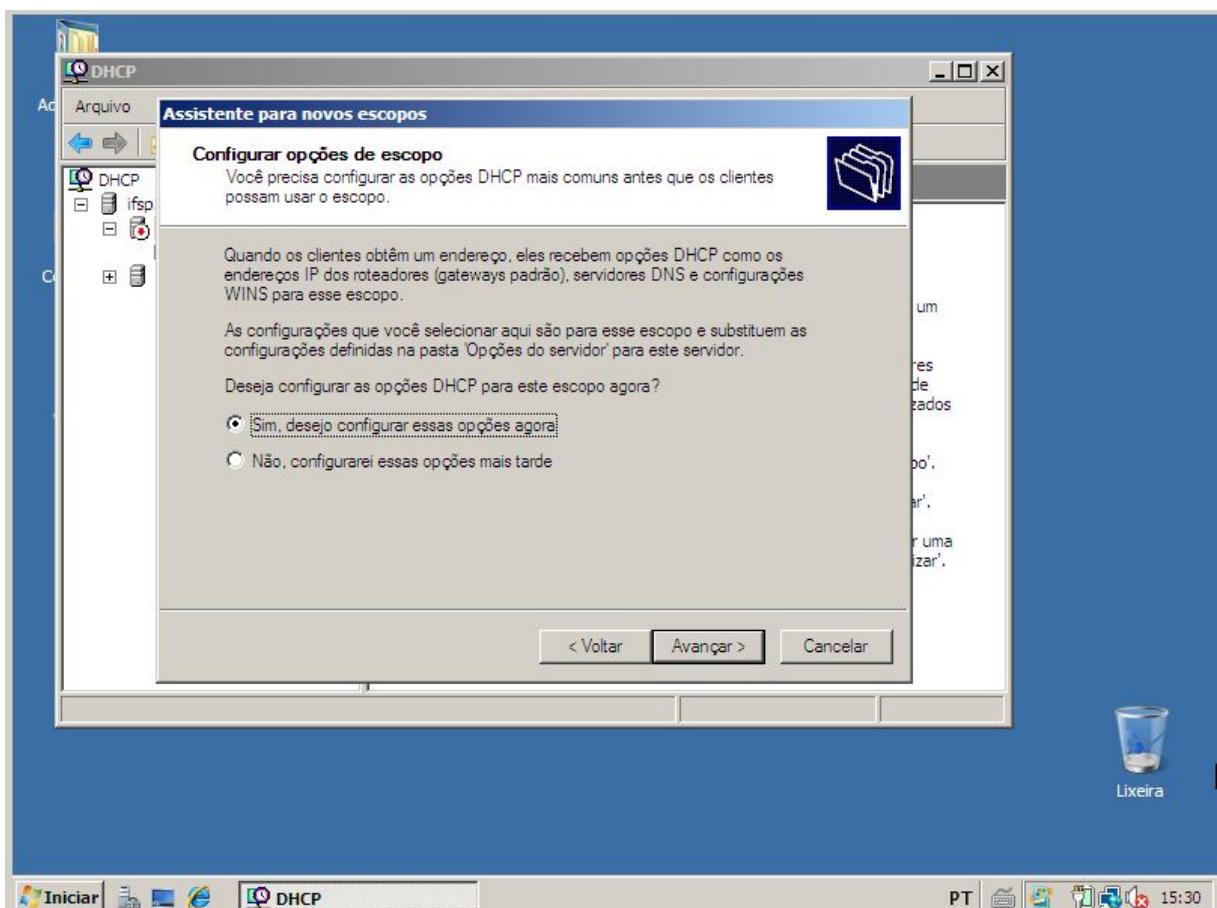


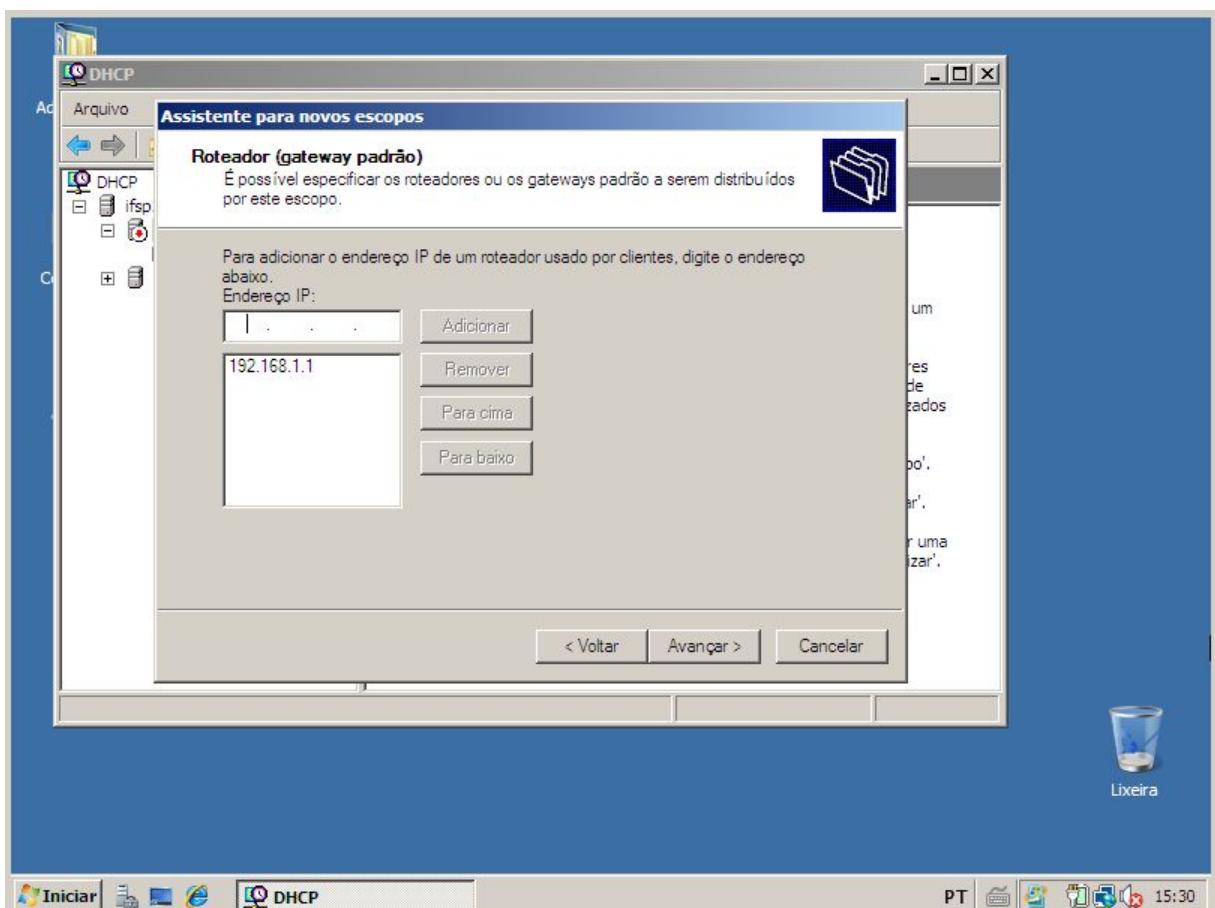


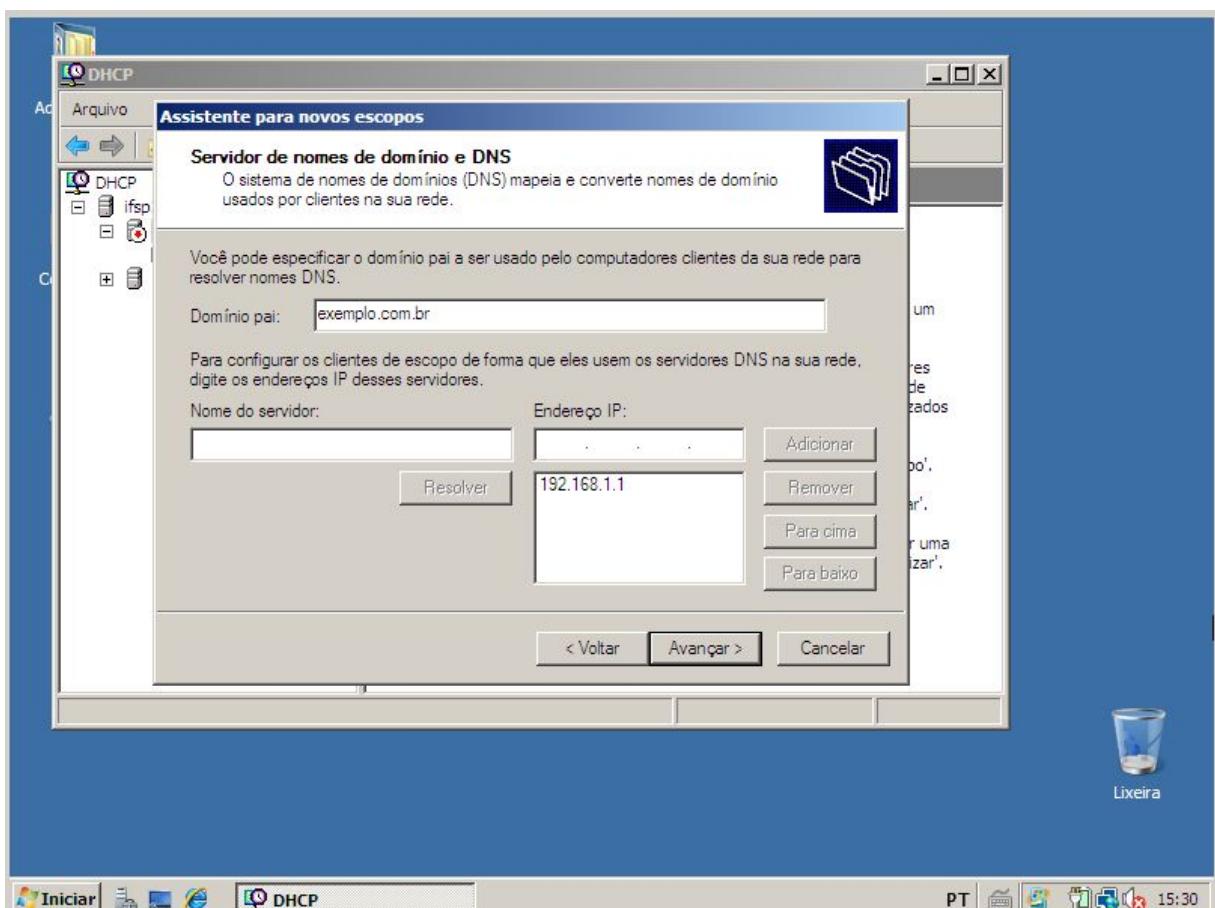


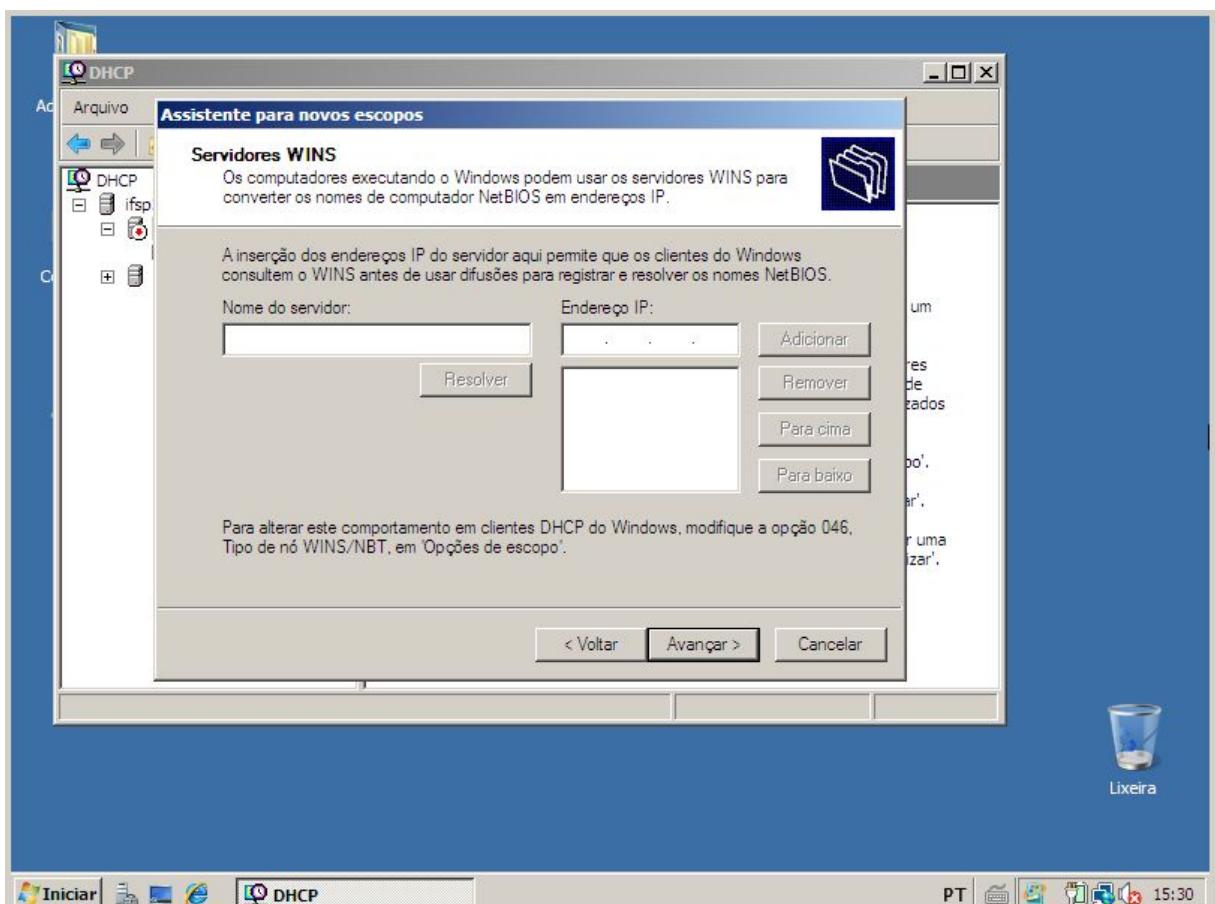


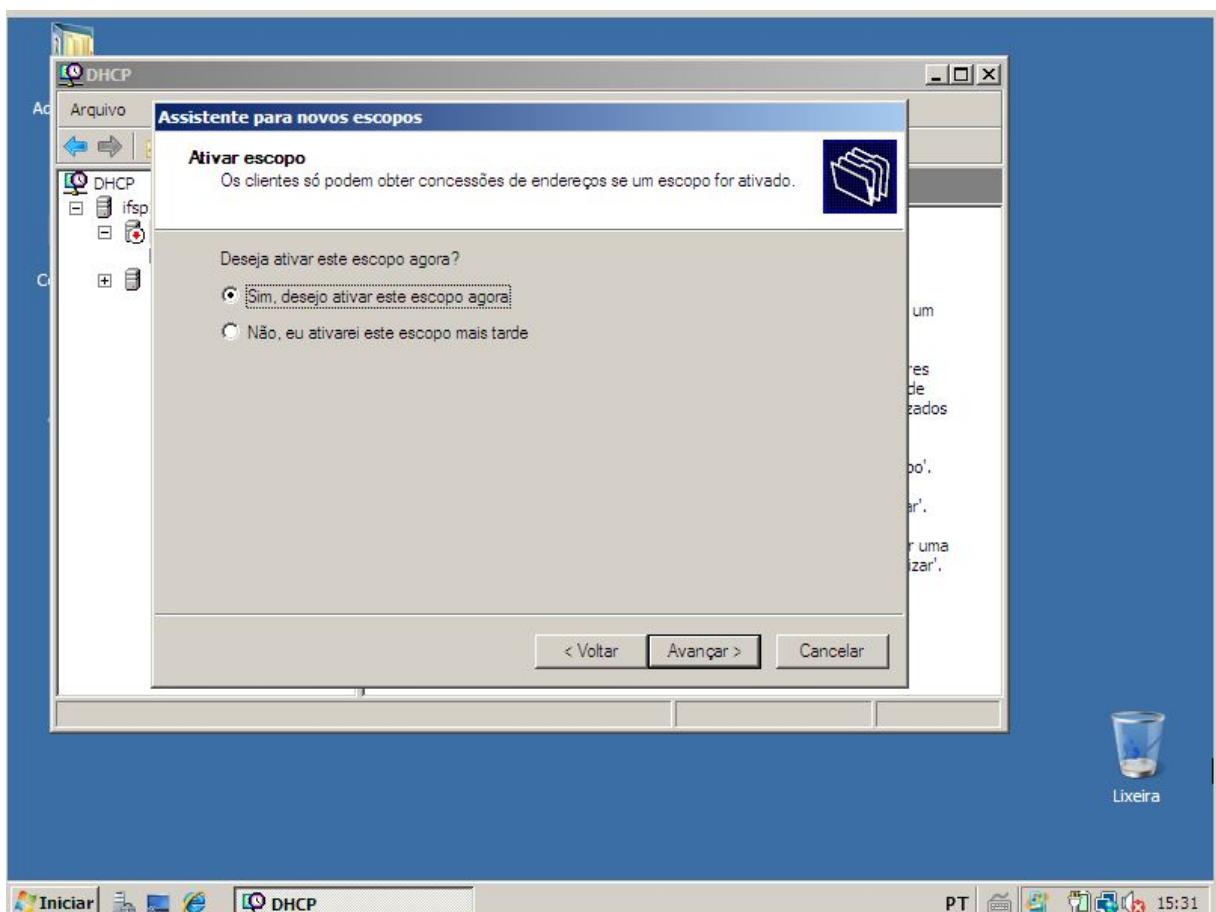


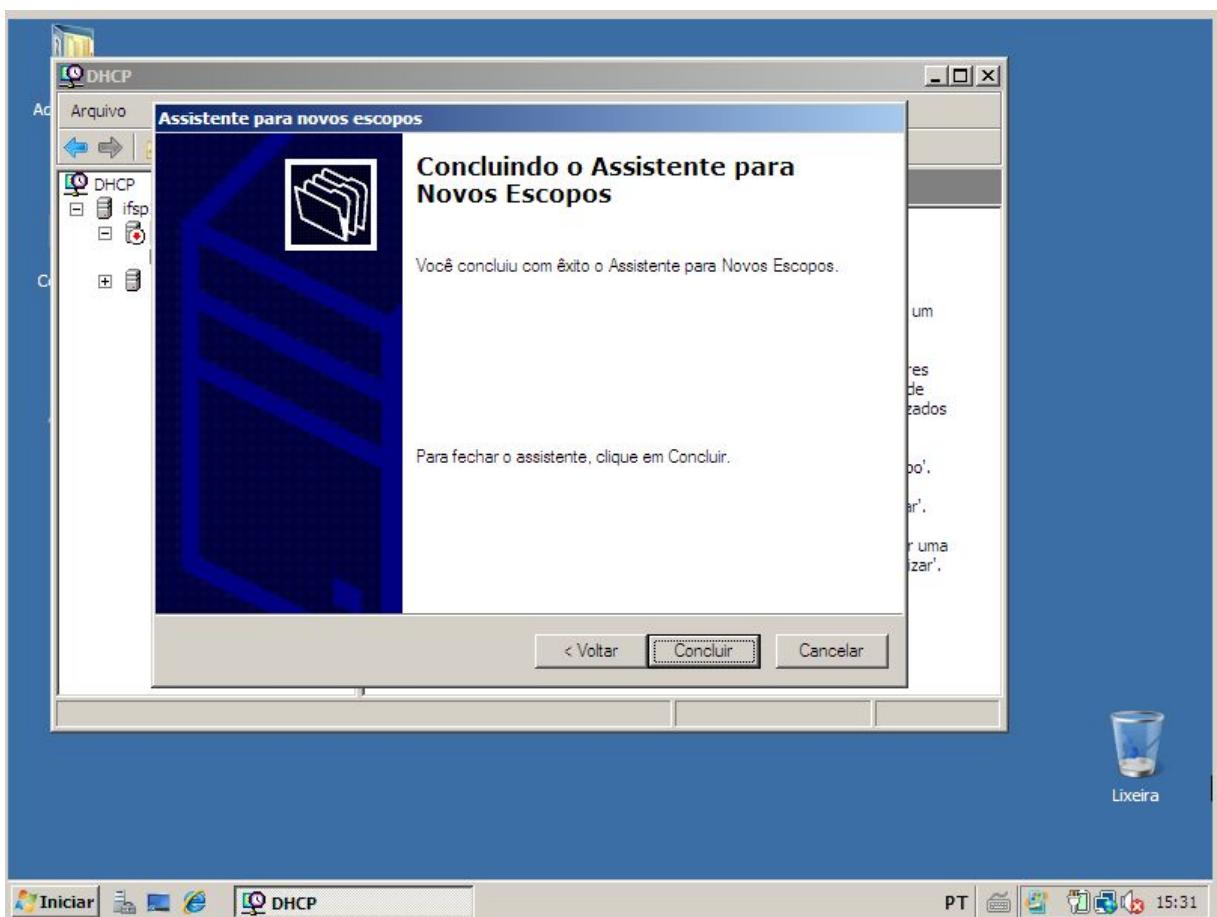


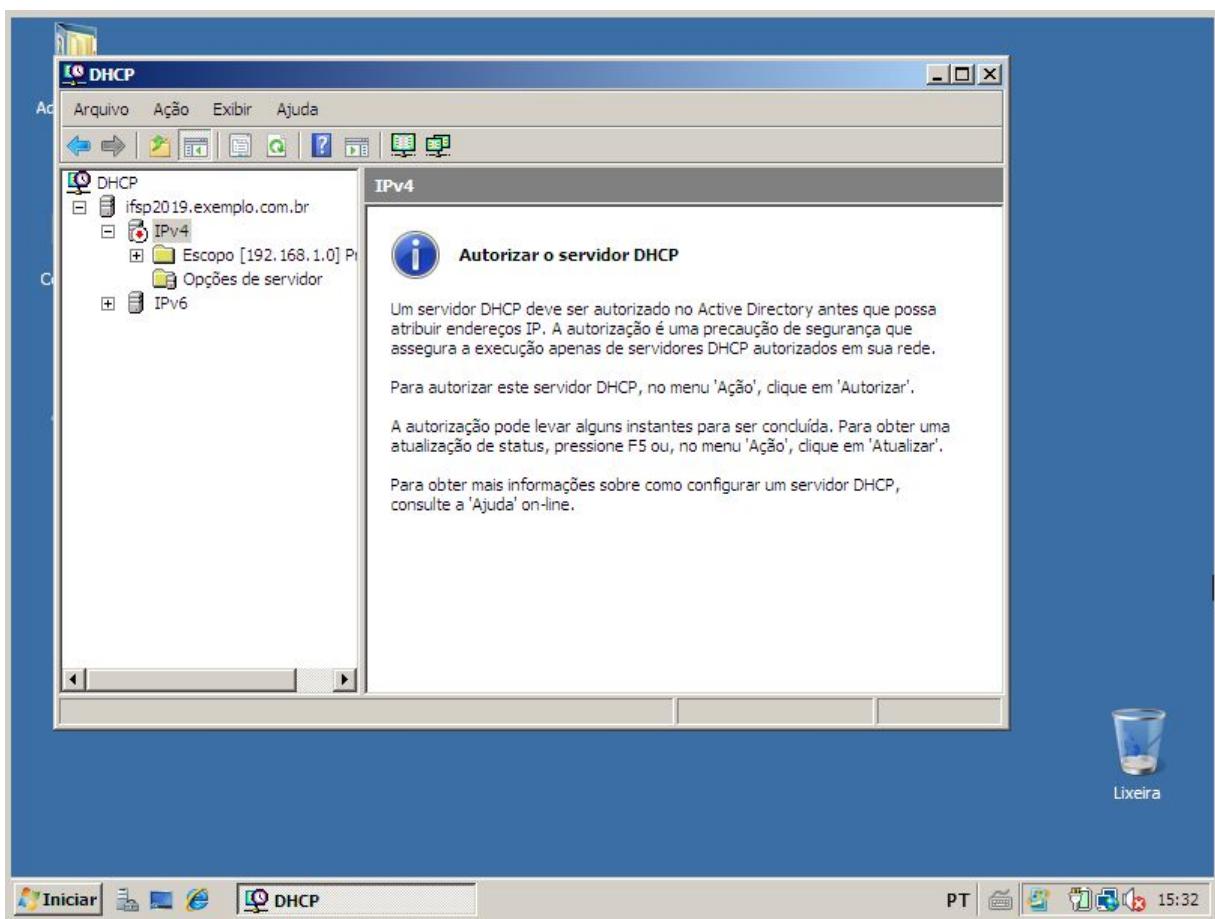


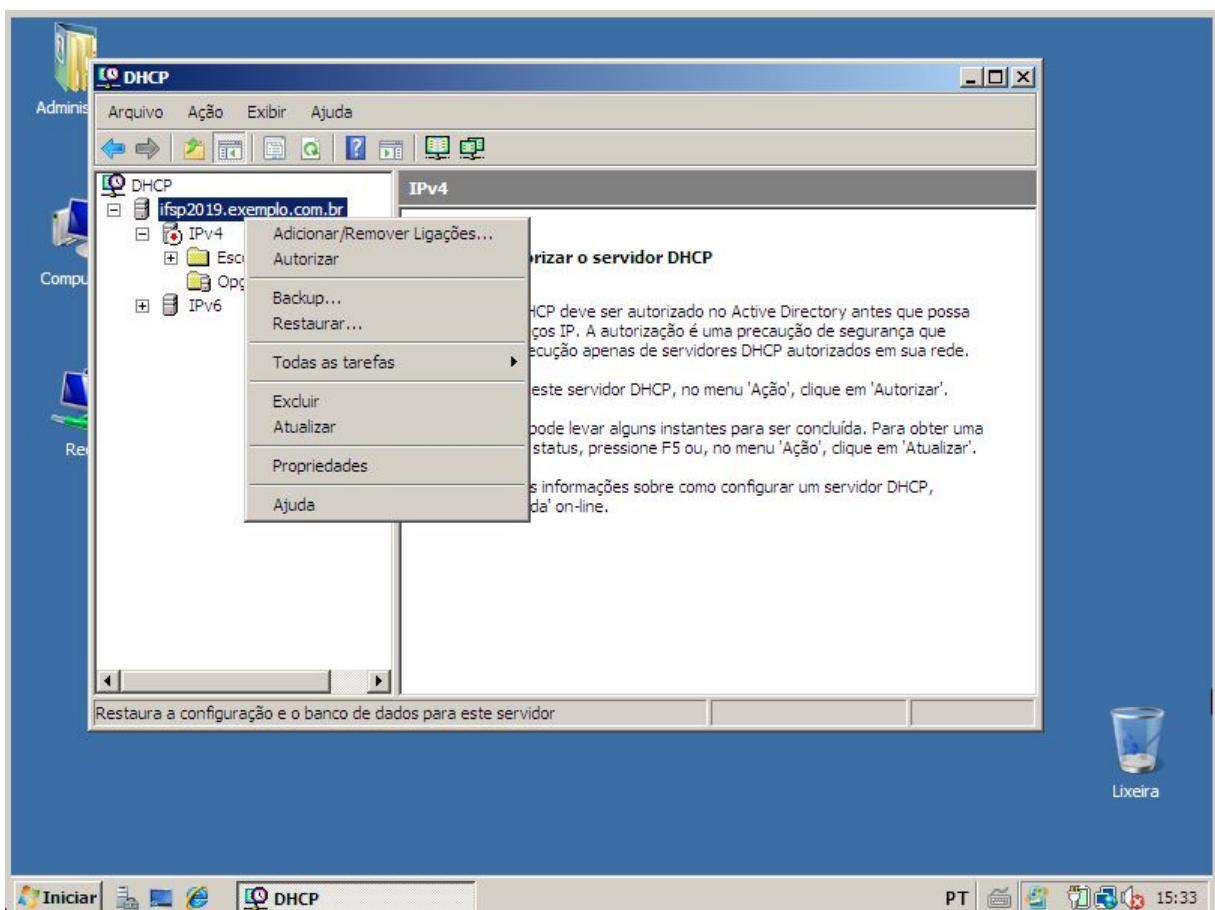


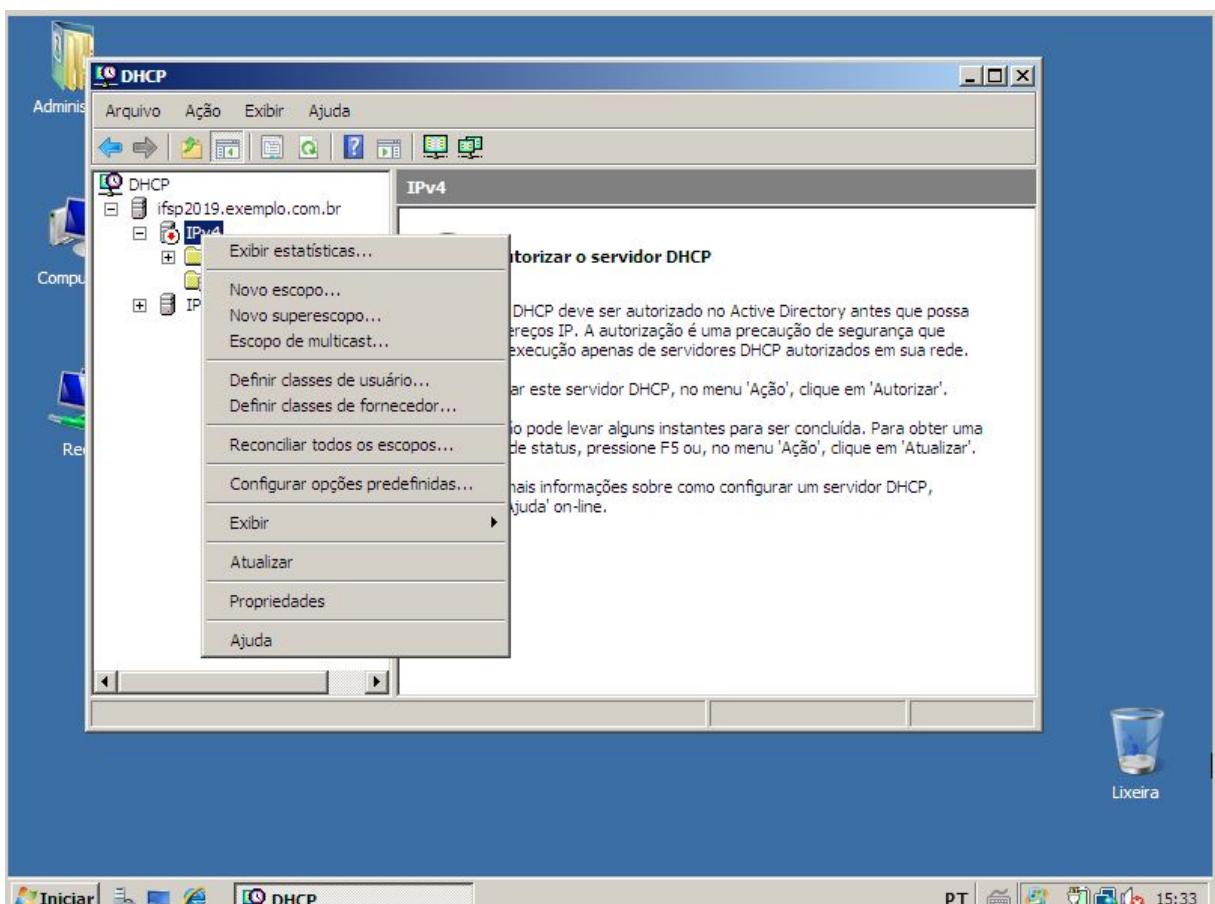


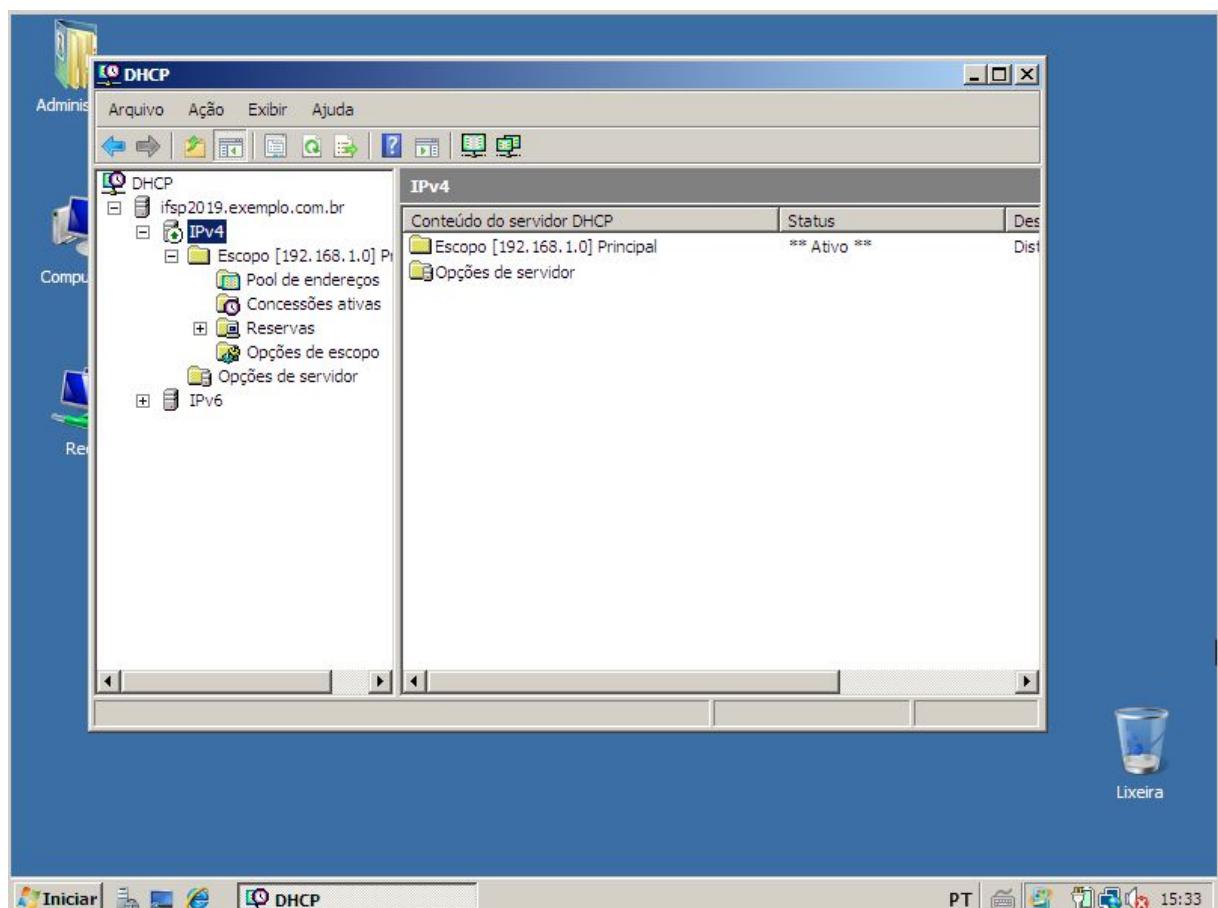


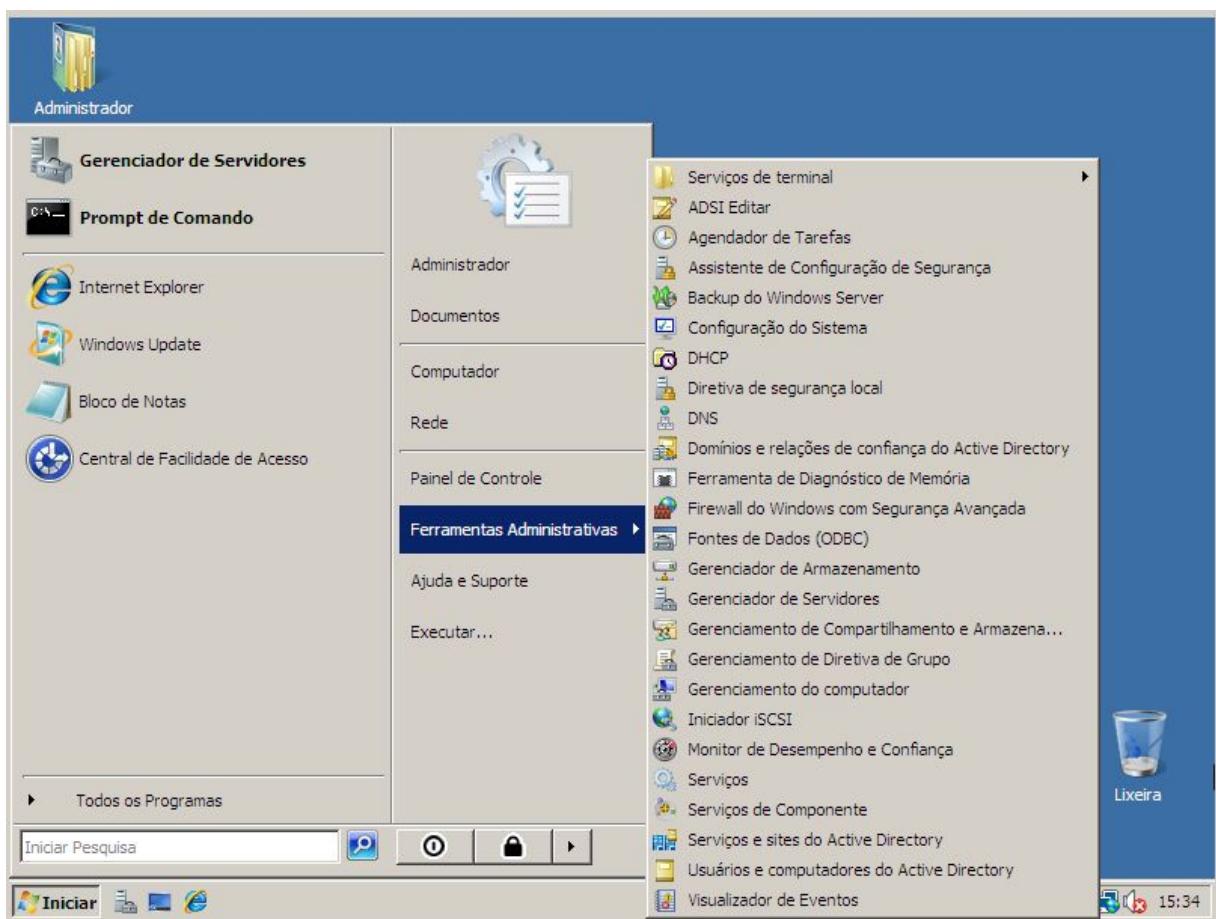


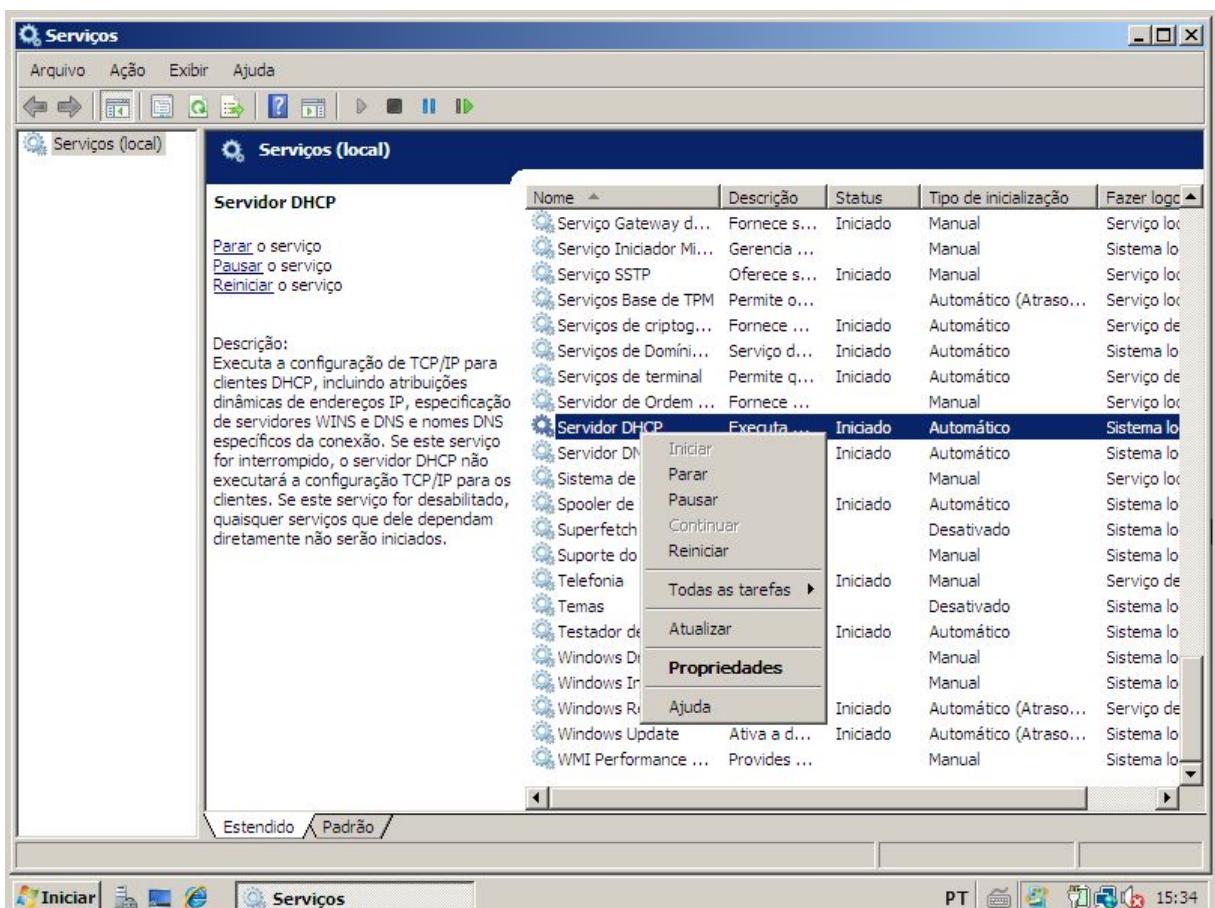


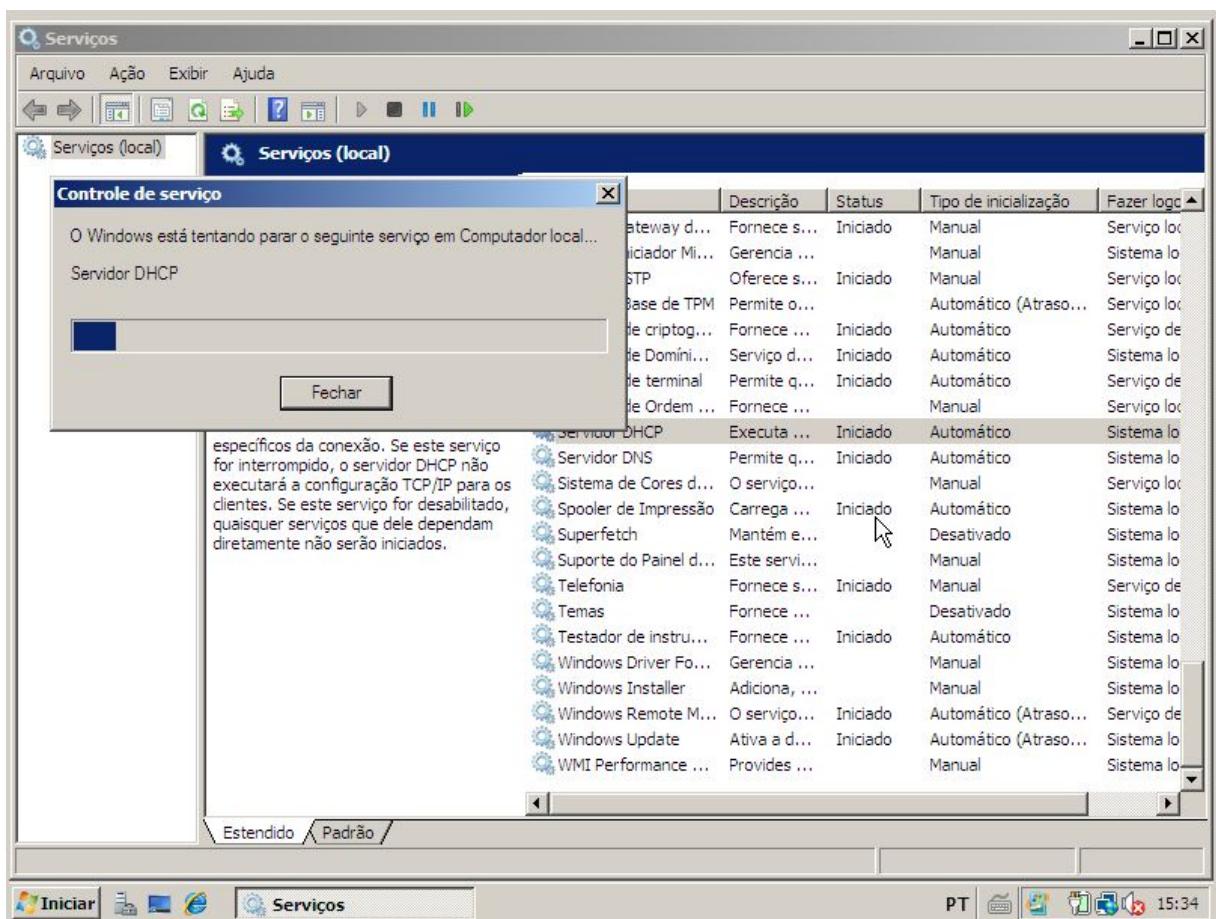










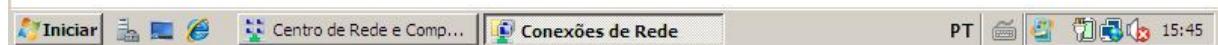
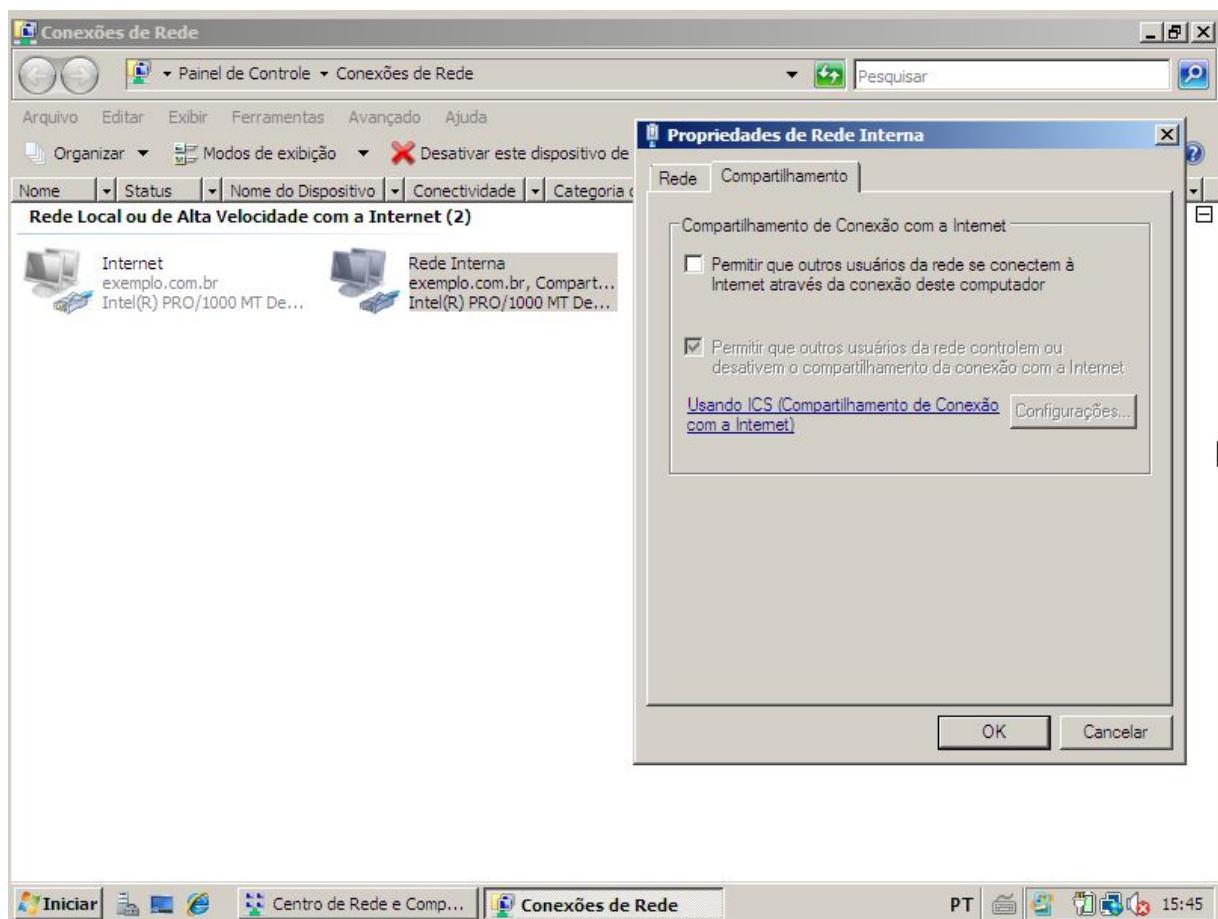


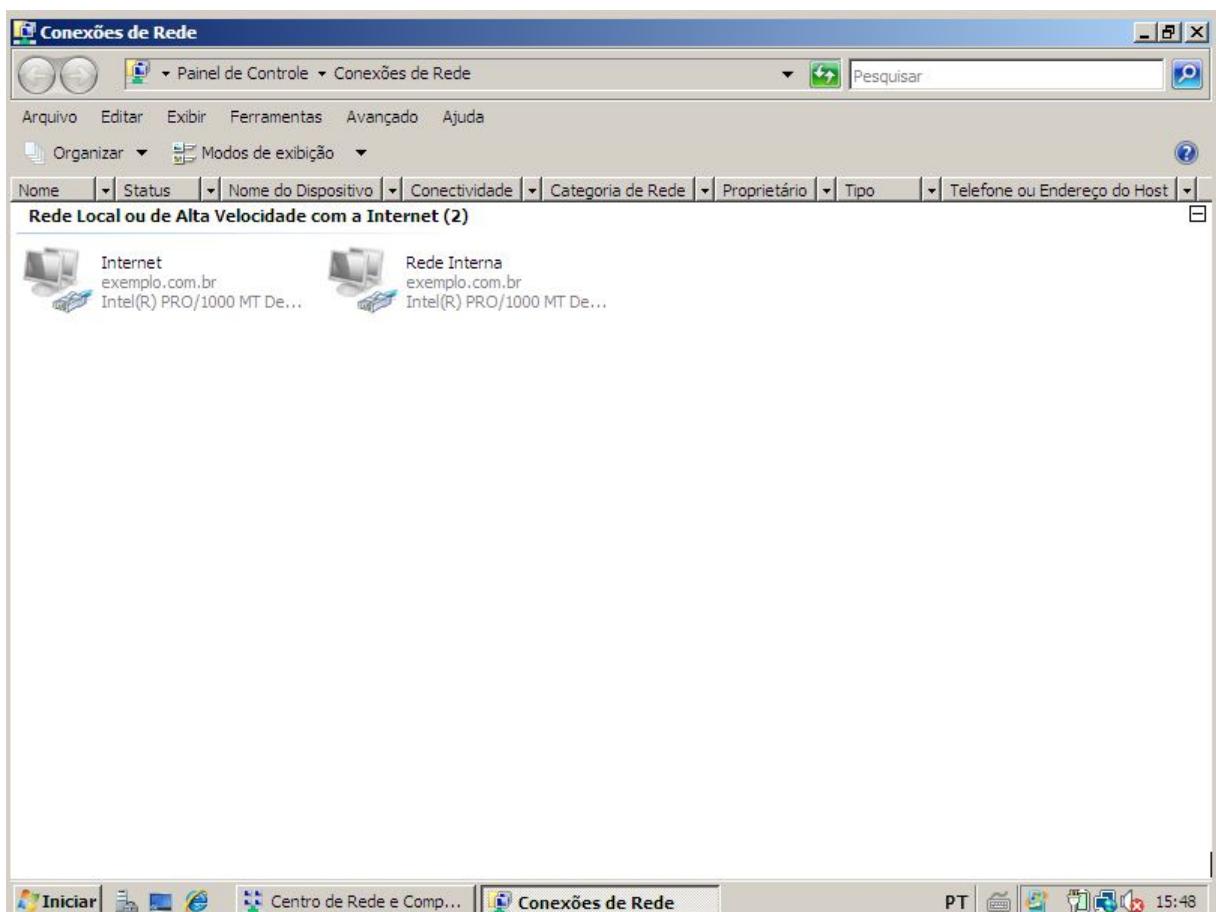
6.0 DESATIVAR O ICS; INSTALAR E CONFIGURAR O ROTEADOR

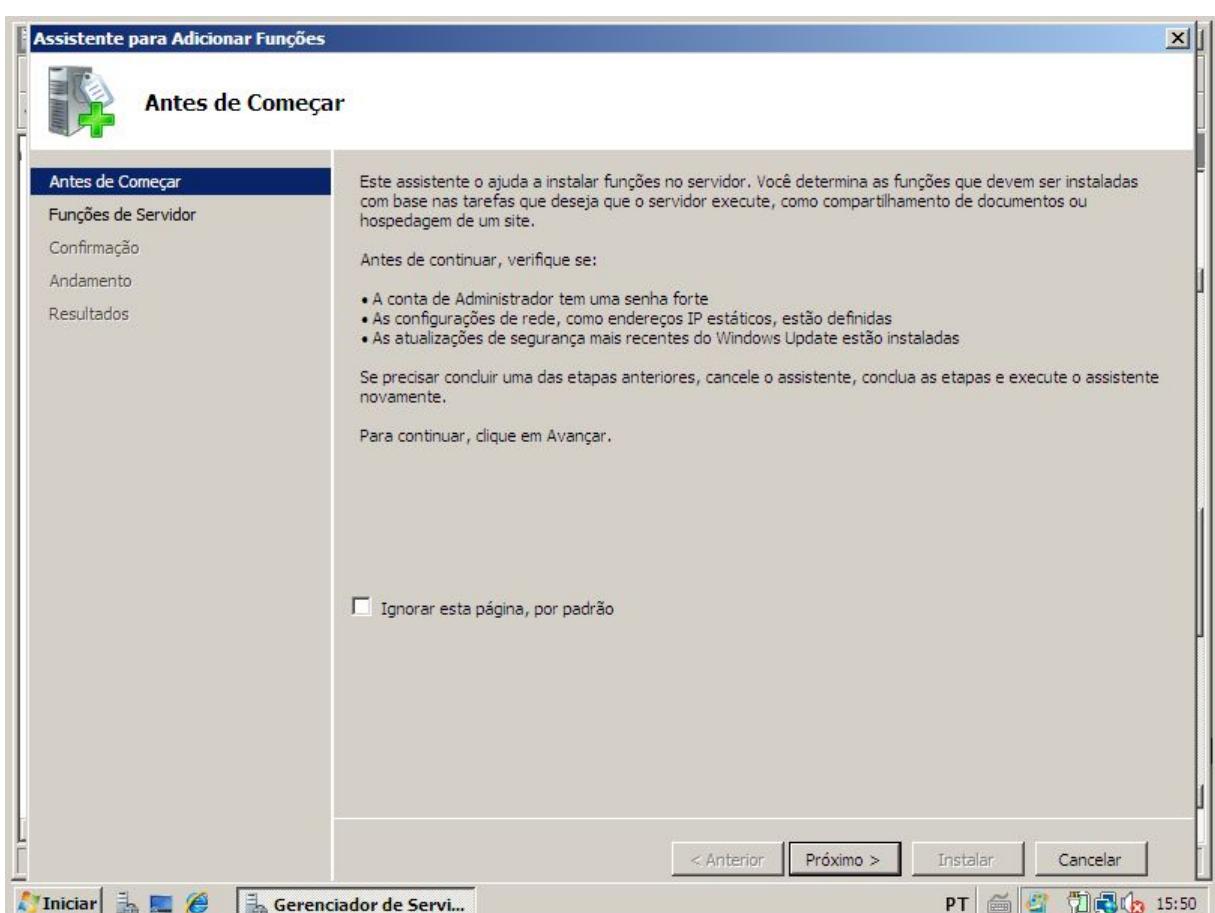
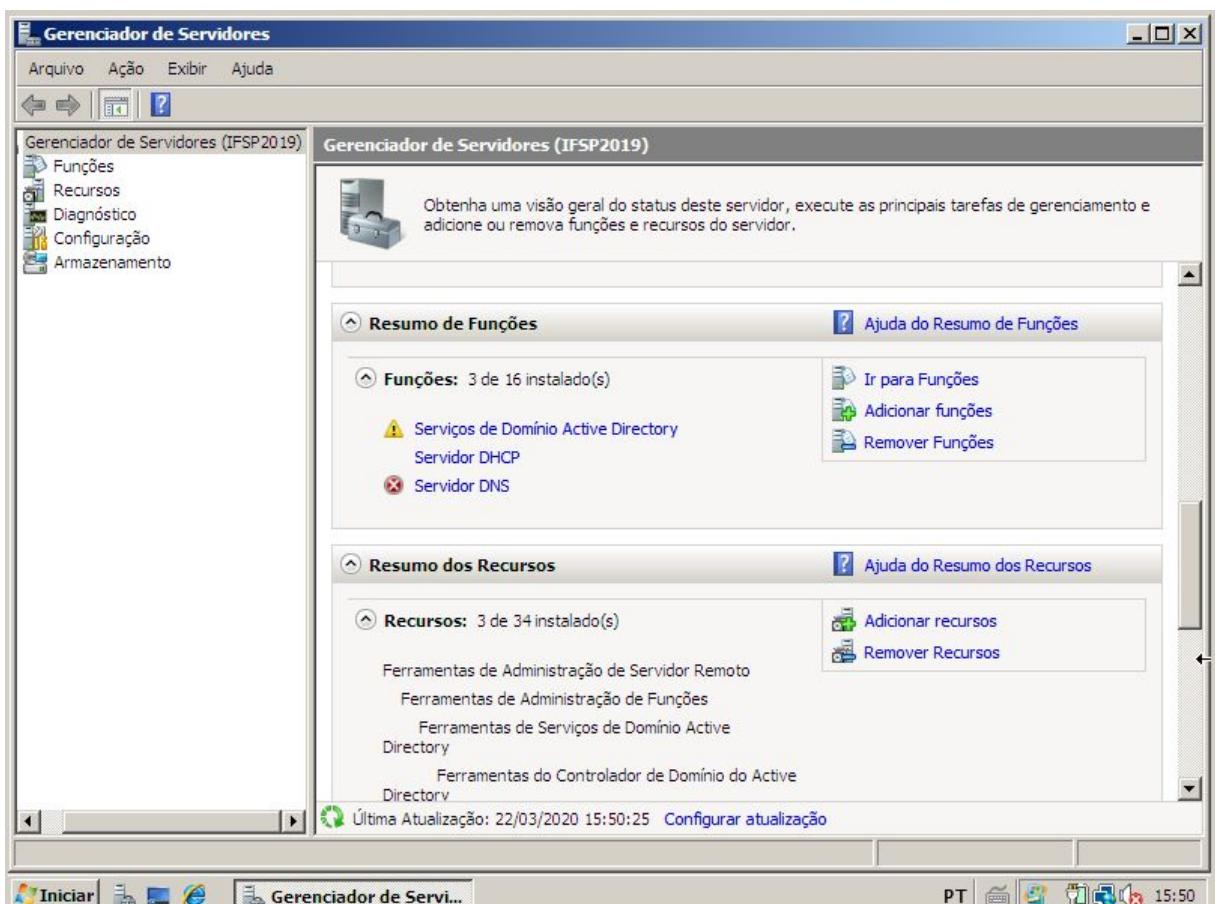
Por fim, vamos instalar e configurar o último serviço do servidor, o roteador; mas, antes disso, devemos desativar o ICS (Compartilhamento de Conexão com a Internet).

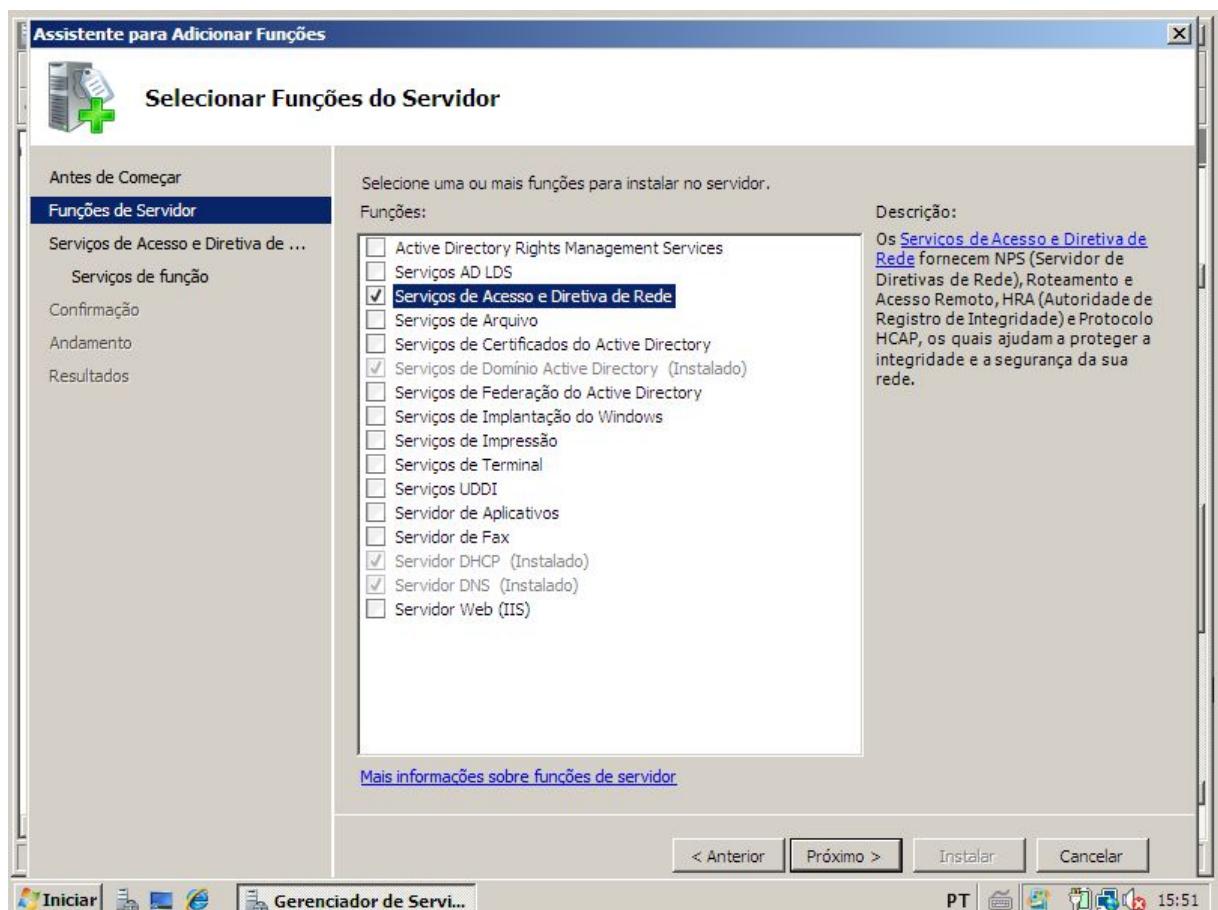
O ICS é desativado nas *Propriedades* da placa de rede *Rede Interna*, acessada em *Conexões de Rede* (Iniciar > Painel de Controle > Centro de Rede e Compartilhamento > Gerenciar conexões de rede). Talvez seja necessário repetir o passo 2.0 depois de desativar o ICS.

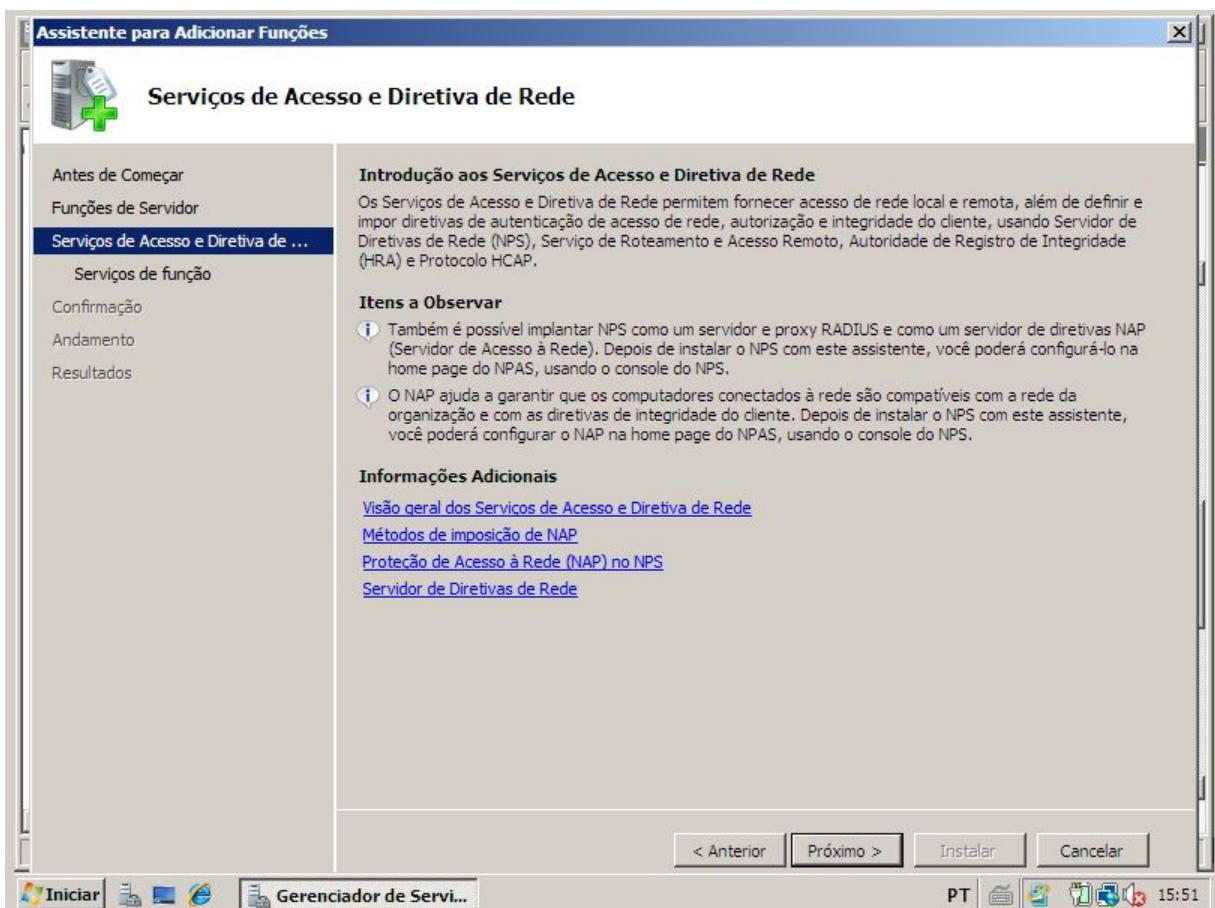
O roteador é instalado pelo *Gerenciador de Servidores* (Iniciar > Ferramentas Administrativas > Gerenciador de Servidores) e configurado em *Roteamento e Acesso Remoto* (Iniciar > Ferramentas Administrativas > Roteamento e acesso remoto).

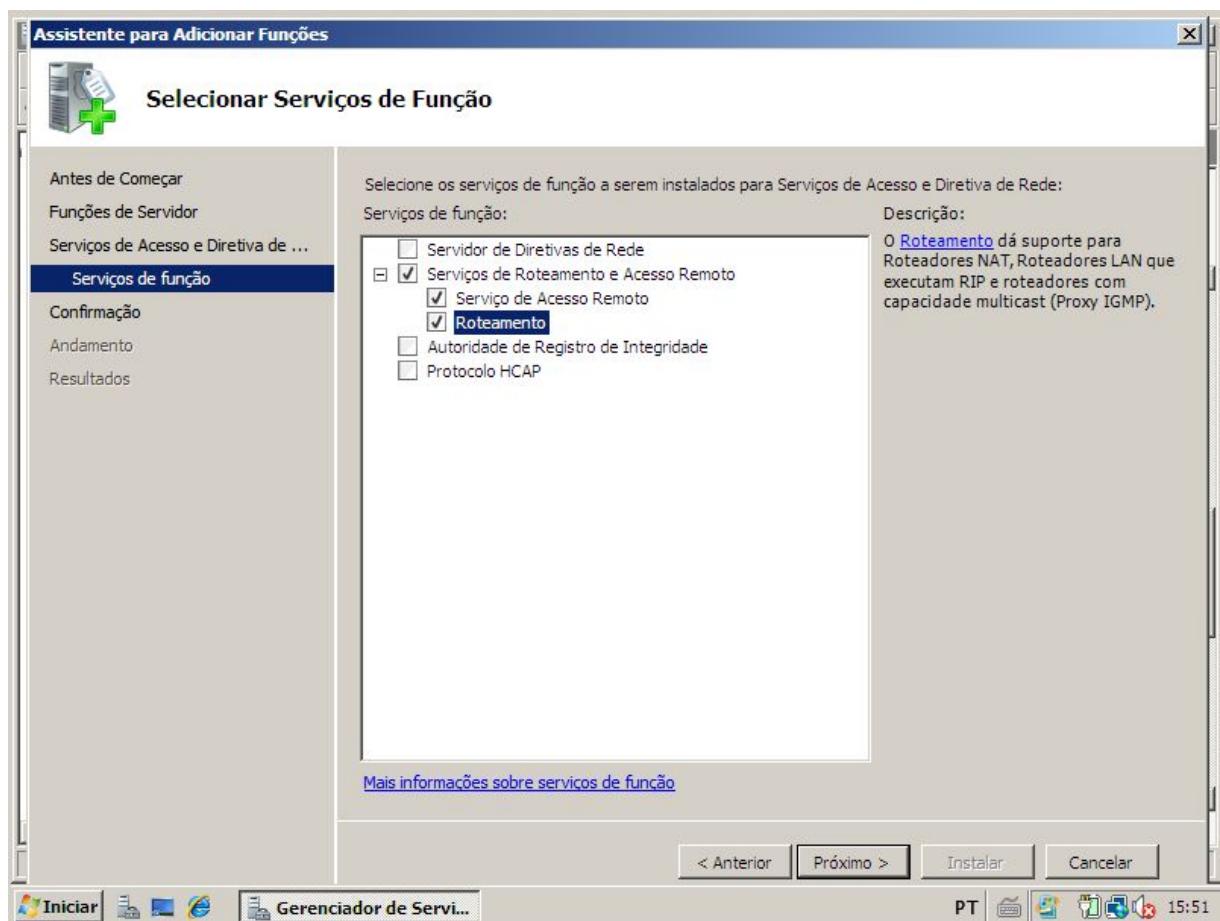


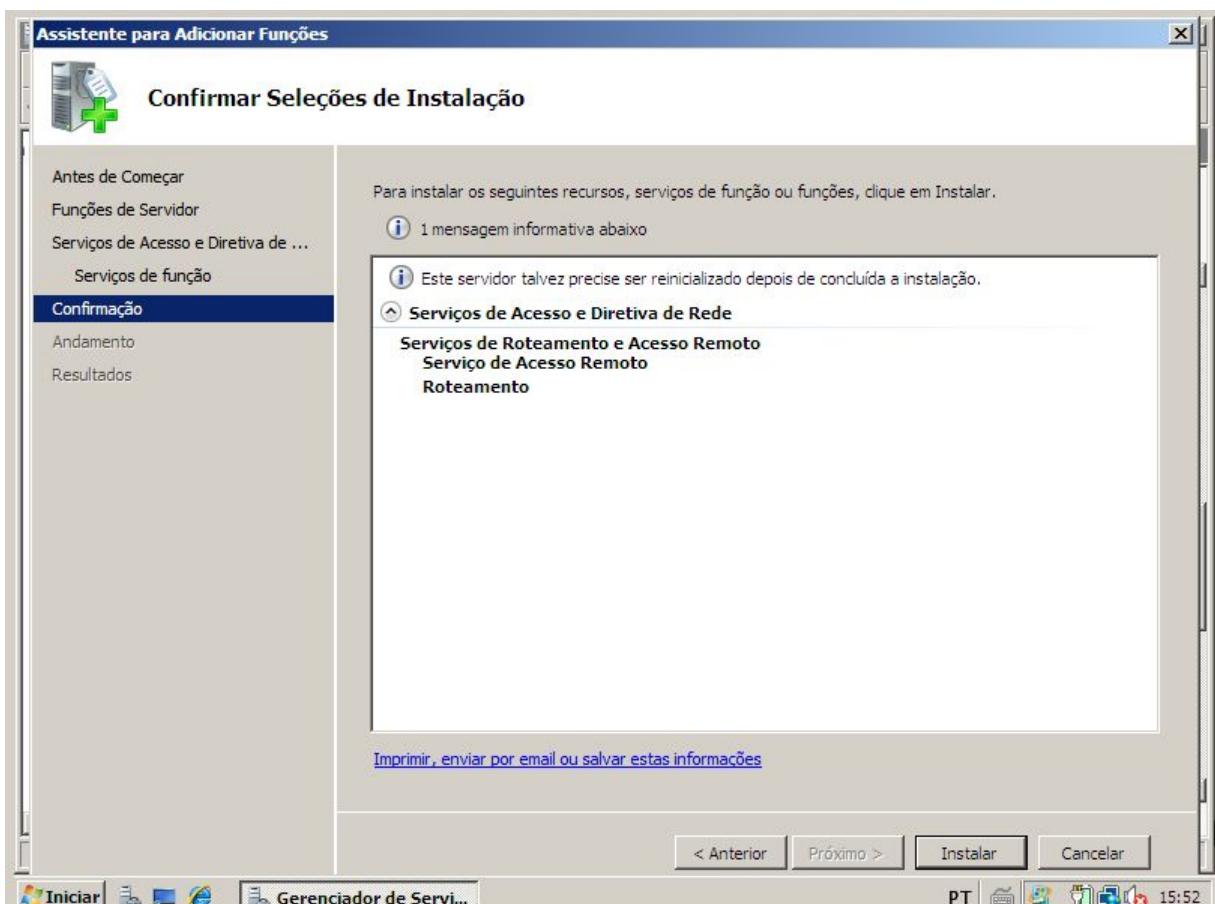


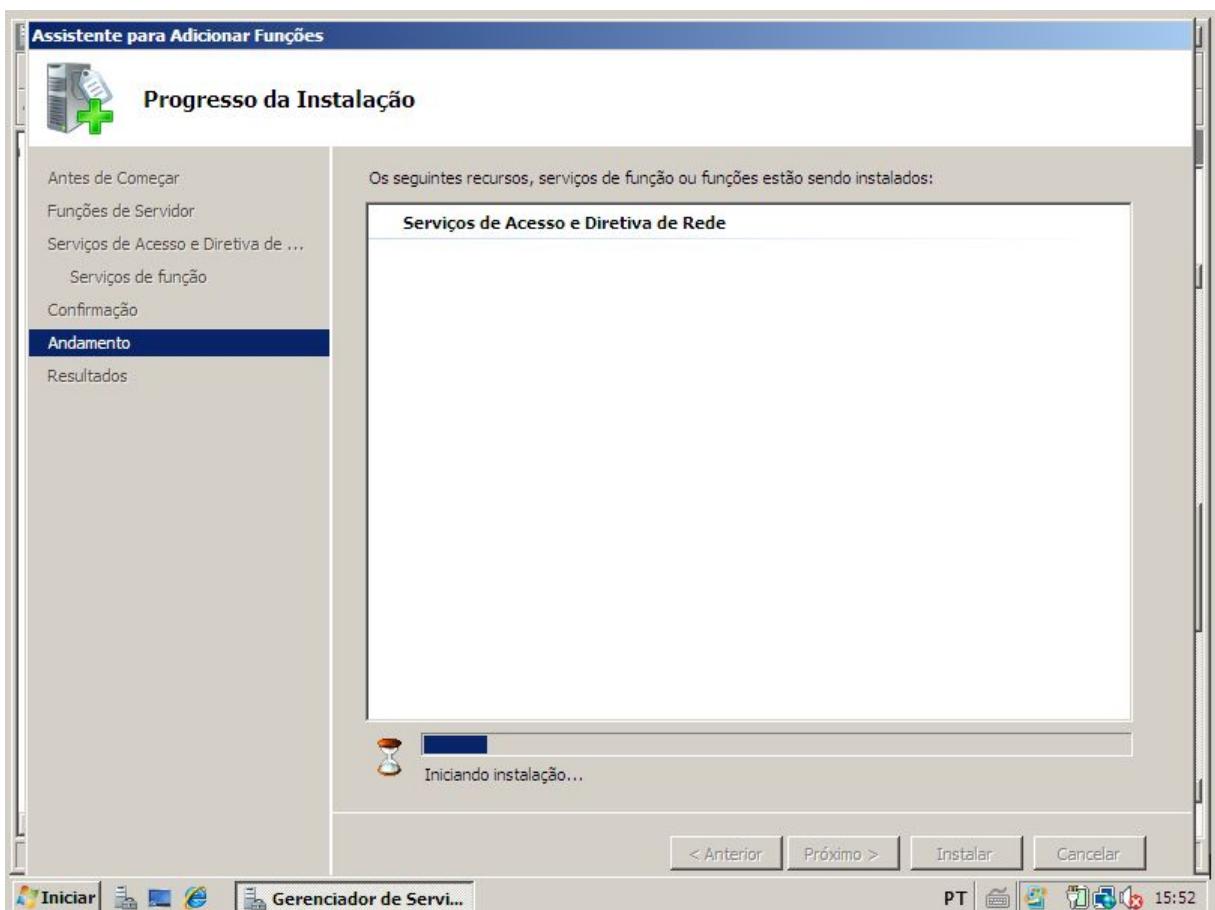


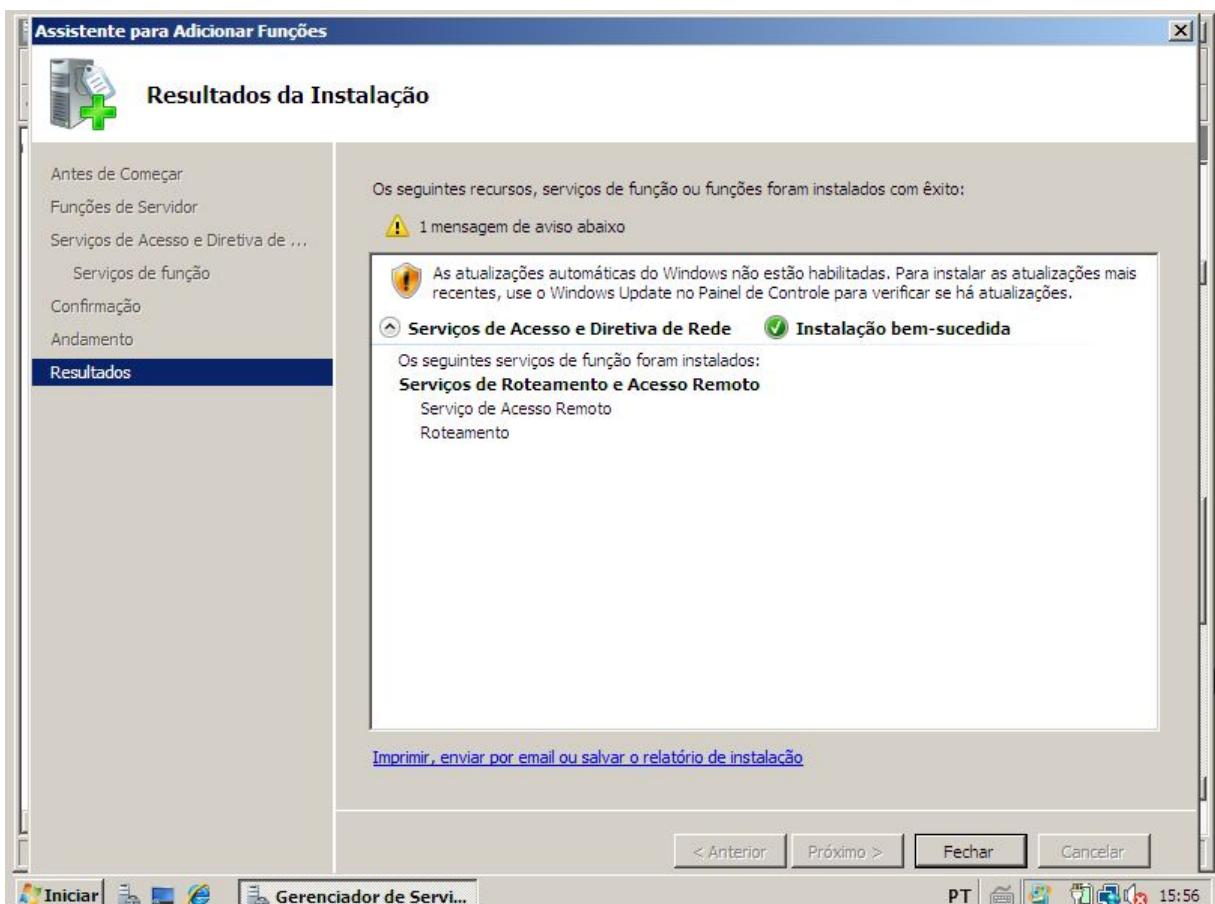


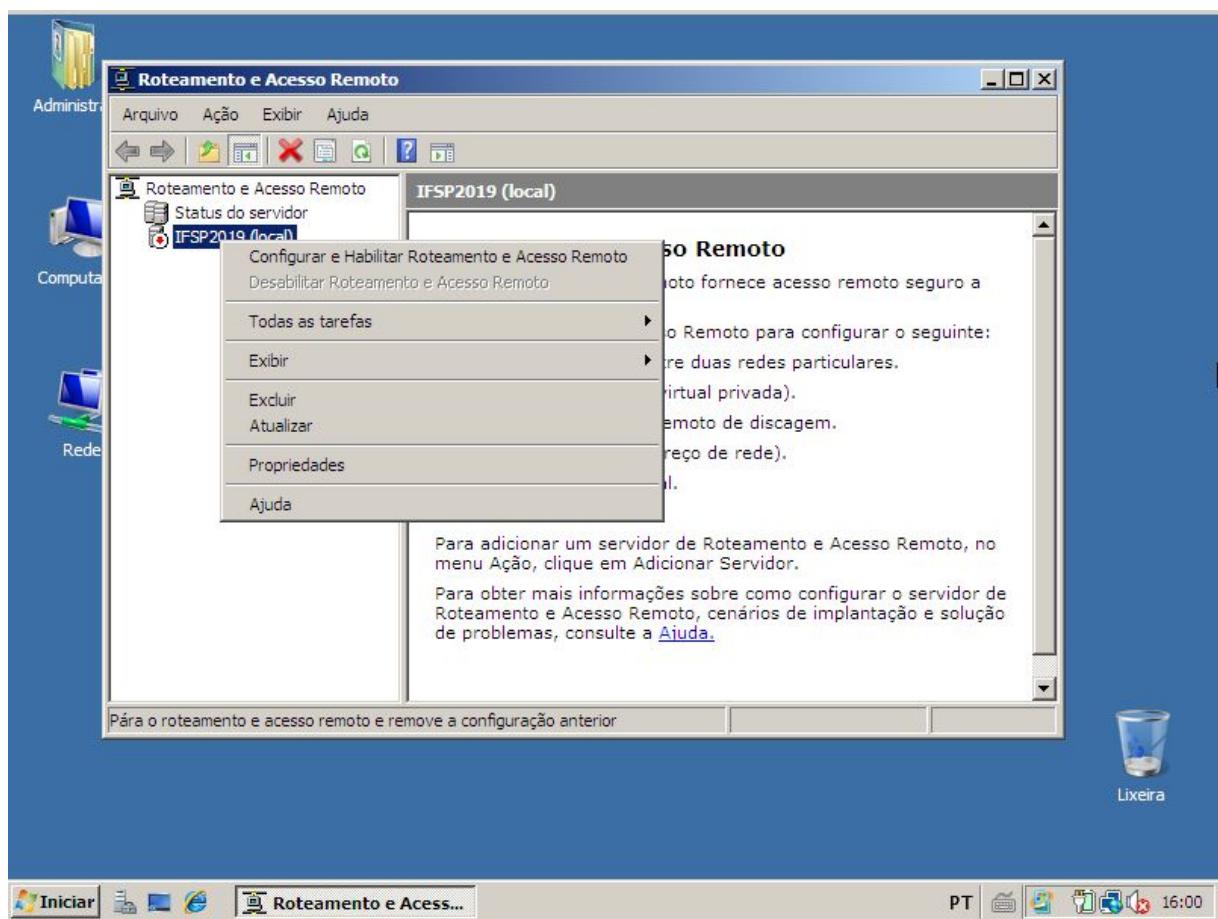


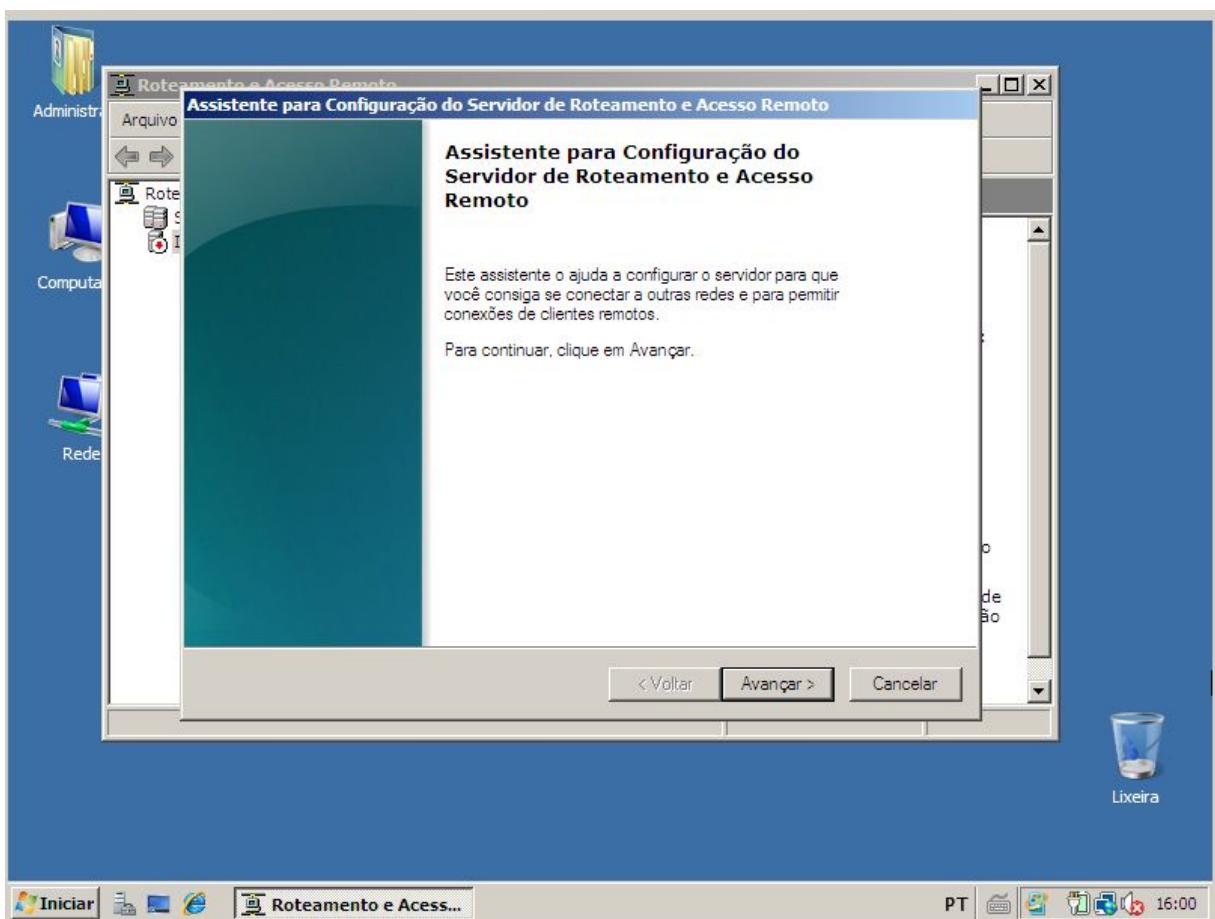


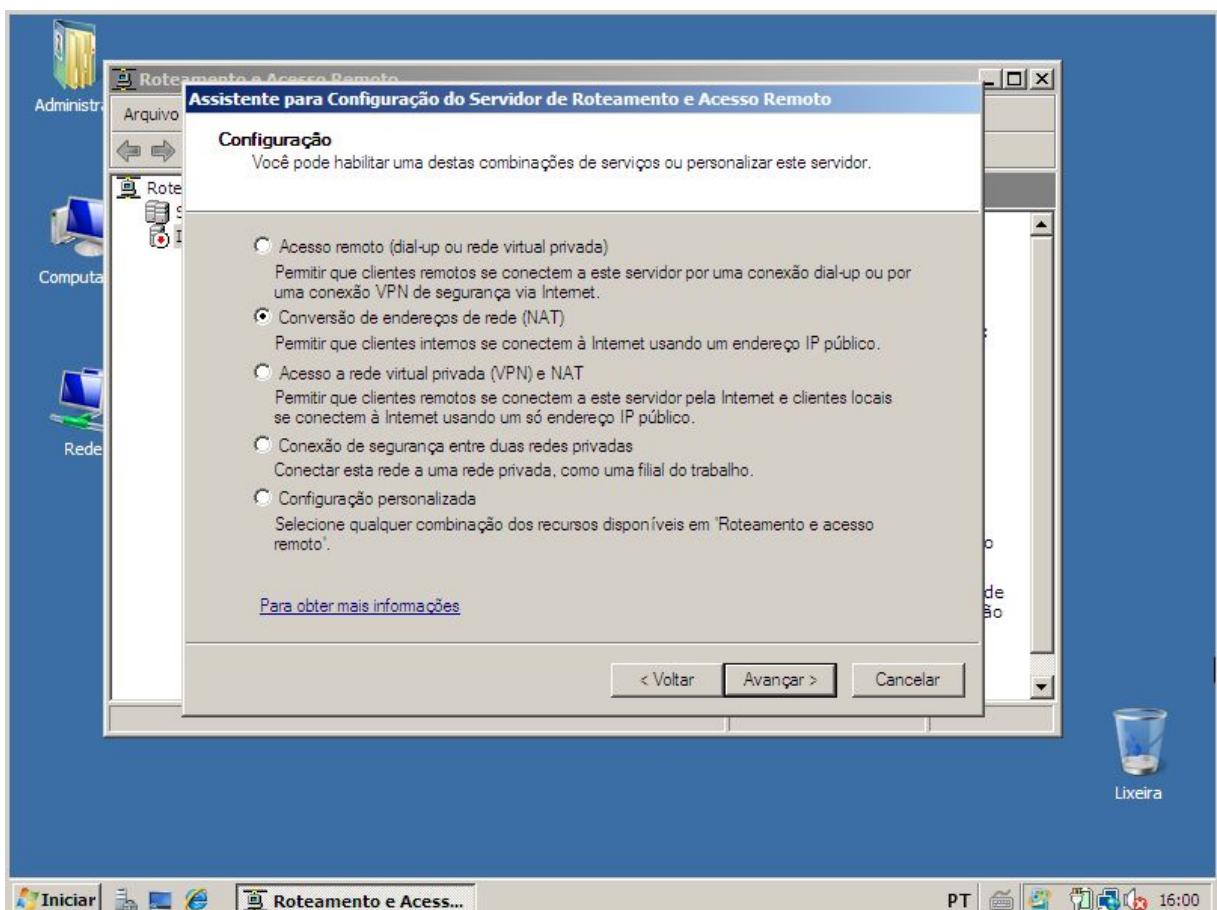


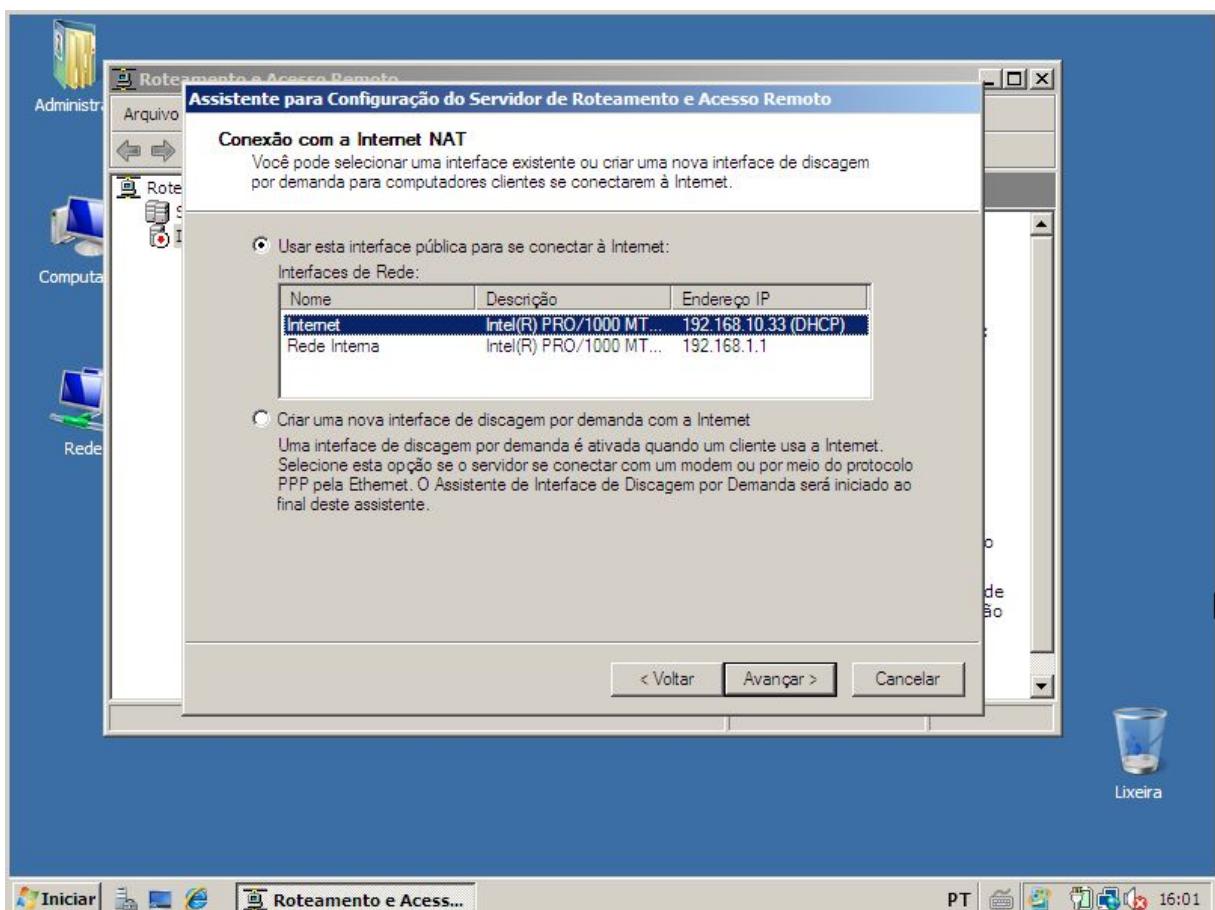


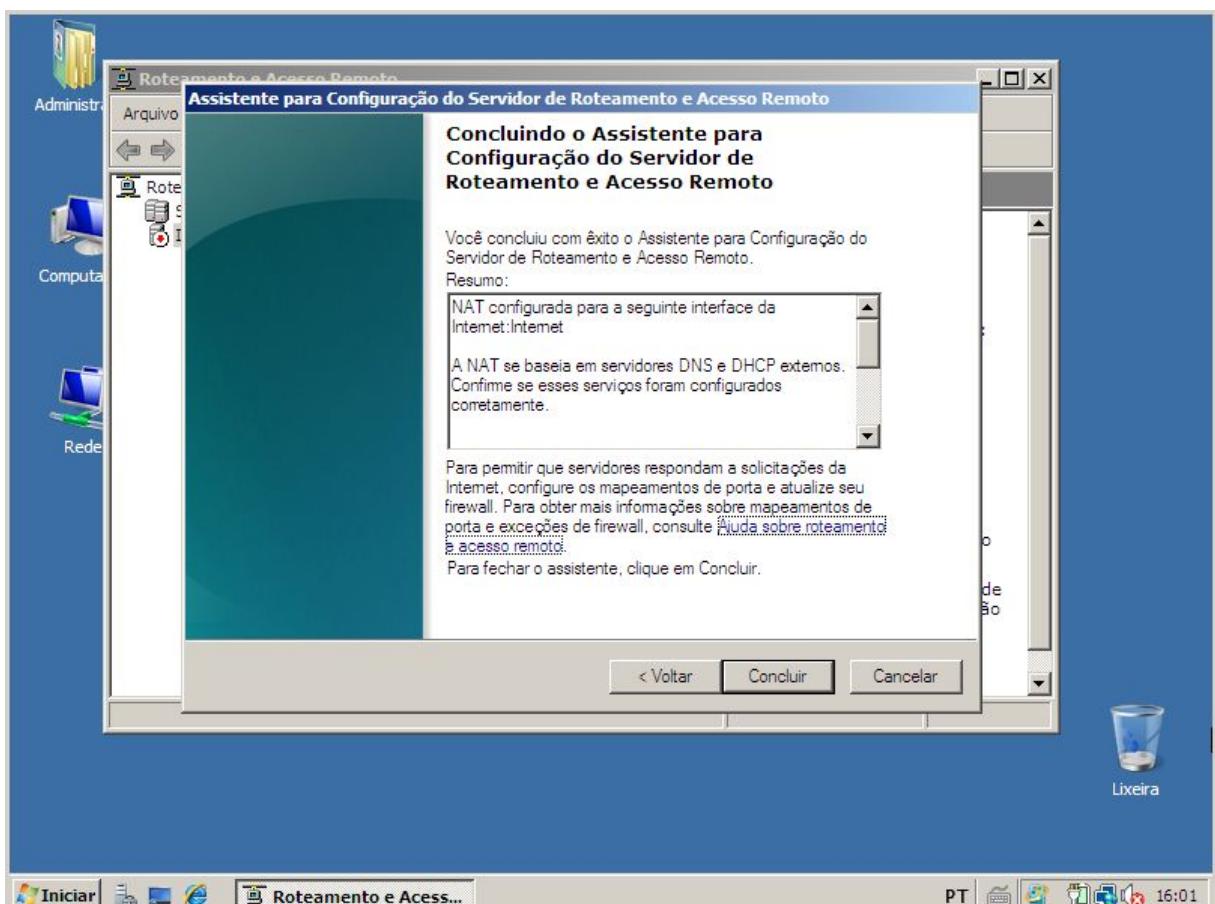


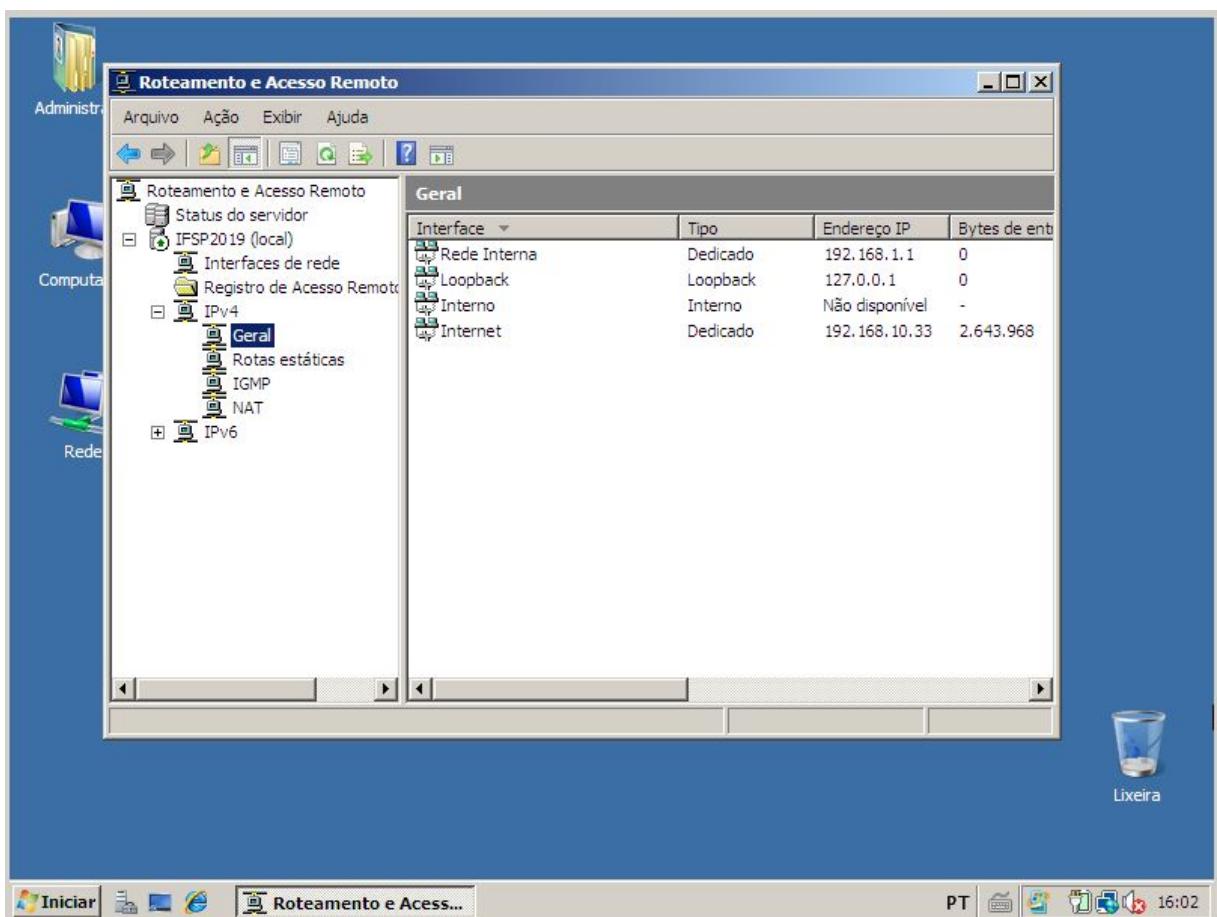








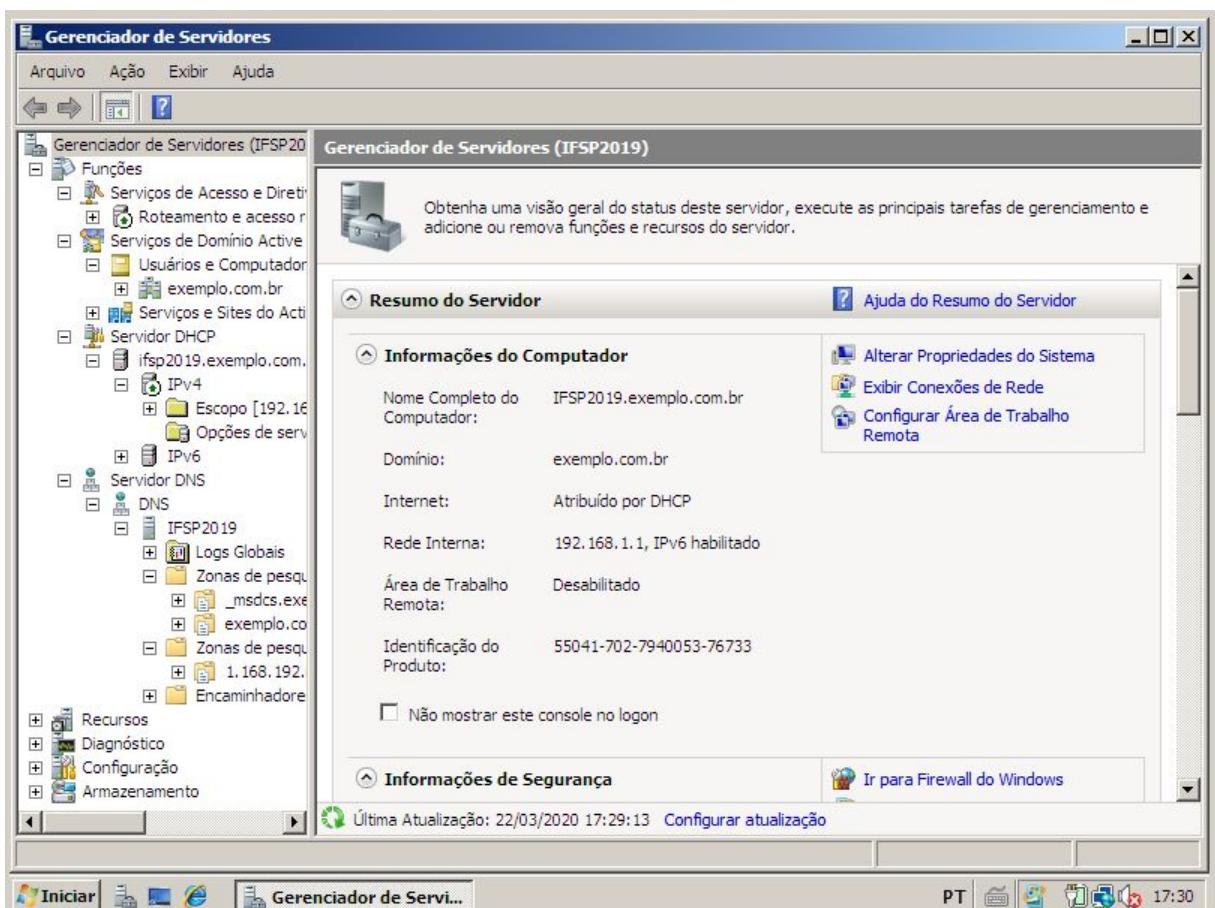




7.0 INGRESSAR O WINDOWS XP NO DOMÍNIO exemplo.com.br

Depois de instalar e configurar os principais serviços no servidor, o próximo passo é ingressar um computador da rede interna (no caso, a máquina virtual com Windows XP) ao domínio criado.

As imagens abaixo mostram o servidor rodando os serviços necessários, após a conclusão dos passos anteriores.



```
C:\ Administrador: Prompt de Comando
C:\Users\Administrador.IFSP2019>ipconfig /all
Configuração de IP do Windows

Nome do host . . . . . : IFSP2019
Sufixo DNS primário . . . . . : exemplo.com.br
Tipo de nó . . . . . : híbrido
Roteamento de IP ativado . . . . . : sim
Proxy WINS ativado . . . . . : não
Lista de pesquisa de sufixo DNS . . . . . : exemplo.com.br
                                         Home
                                         com.br

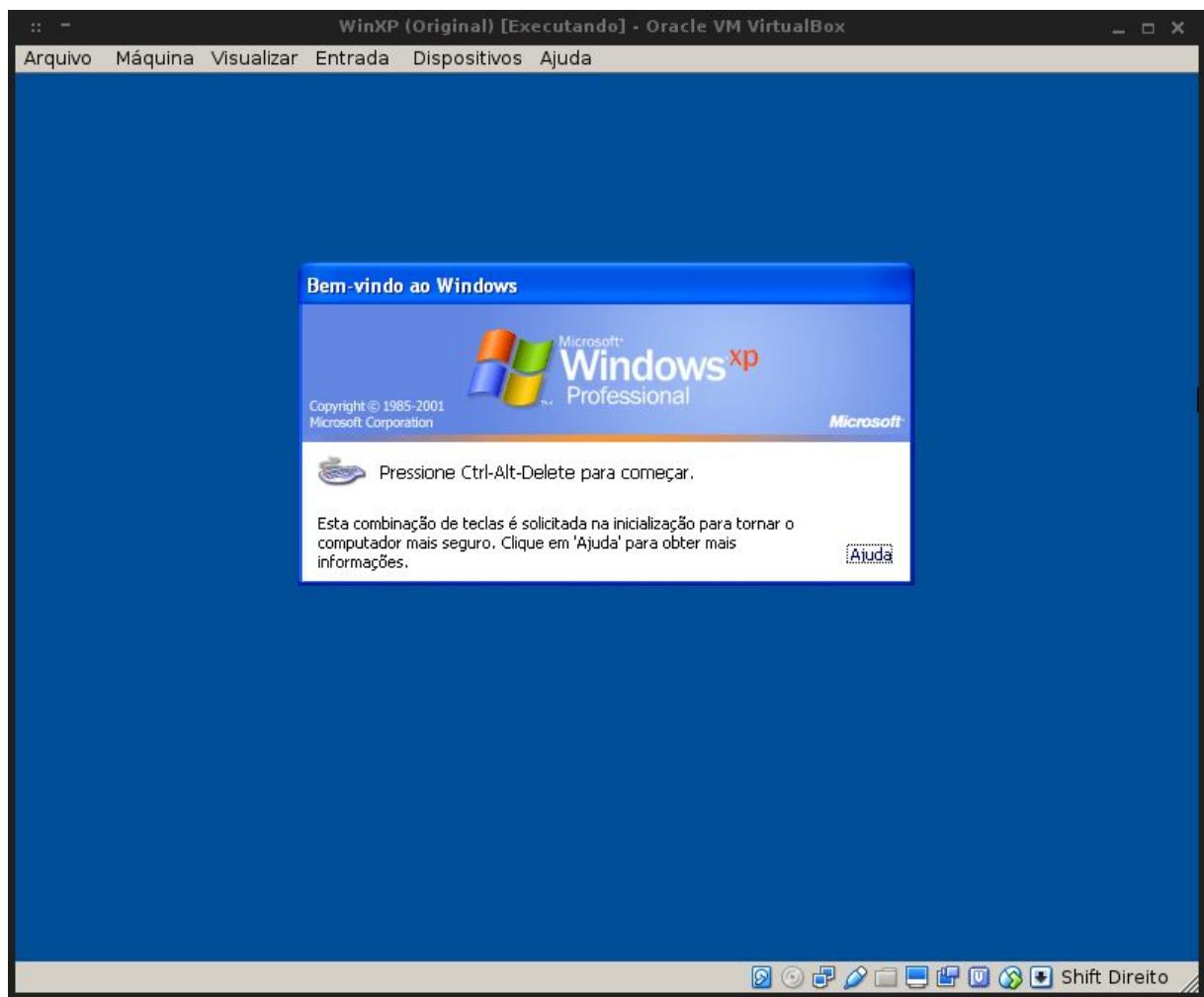
Adaptador Ethernet Rede Interna:

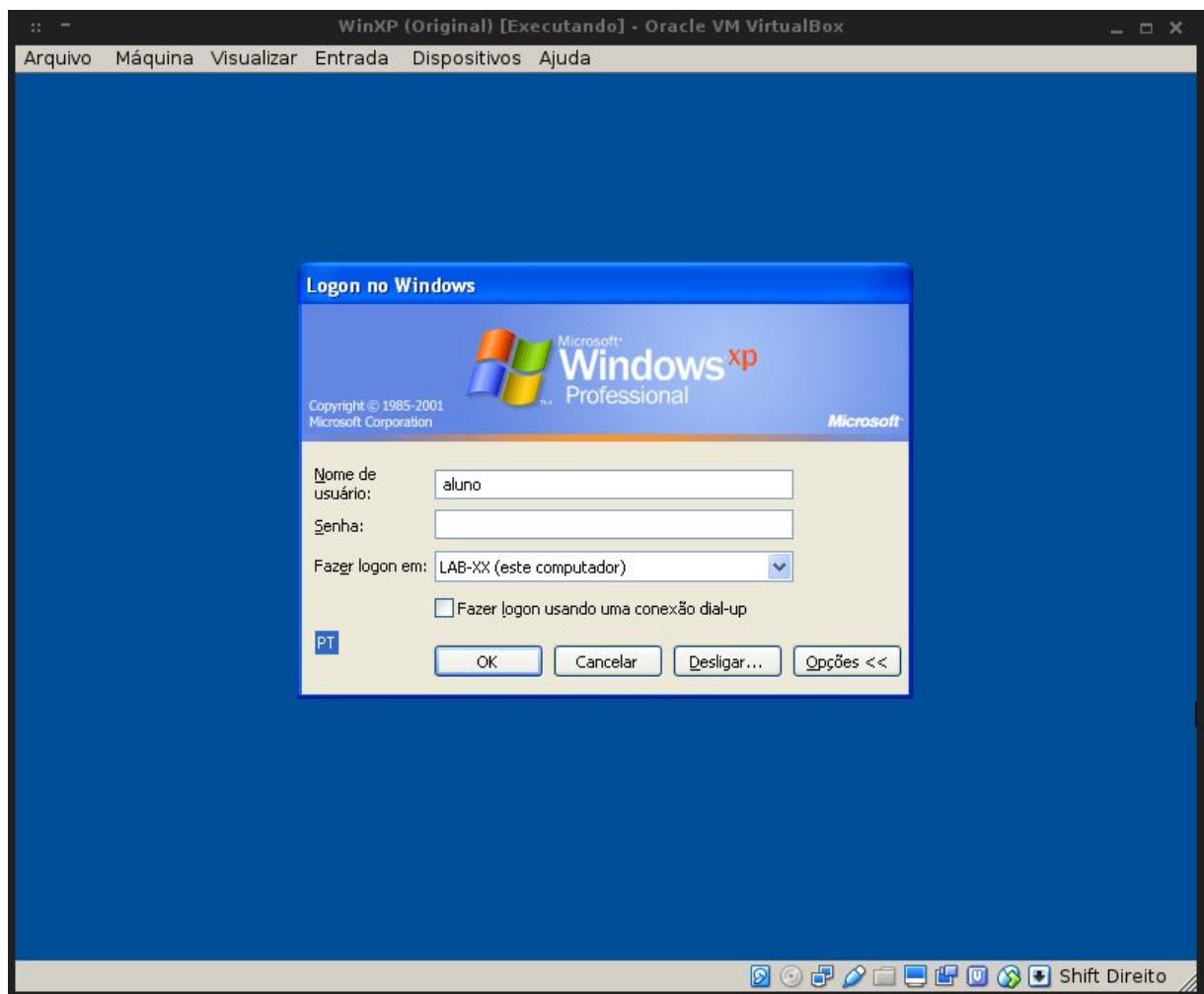
Sufixo DNS específico de conexão . . . . . :
Descrição . . . . . : Intel(R) PRO/1000 MT Desktop Adapter #2
Endereço Físico . . . . . : 08-00-27-E6-77-3A
DHCP Habilitado . . . . . : Não
Configuração Automática Habilitada . . . . . : Sim
Endereço IPv6 de link local . . . . . : fe80::ed91:111c:5f25:c4d1%11<Preferencial>
Endereço IPv4 . . . . . : 192.168.1.1<Preferencial>
Máscara de Sub-rede . . . . . : 255.255.255.0
Gateway Padrão . . . . . :
Servidores DNS . . . . . : 192.168.1.1
NetBIOS em Tcpip . . . . . : Habilitado

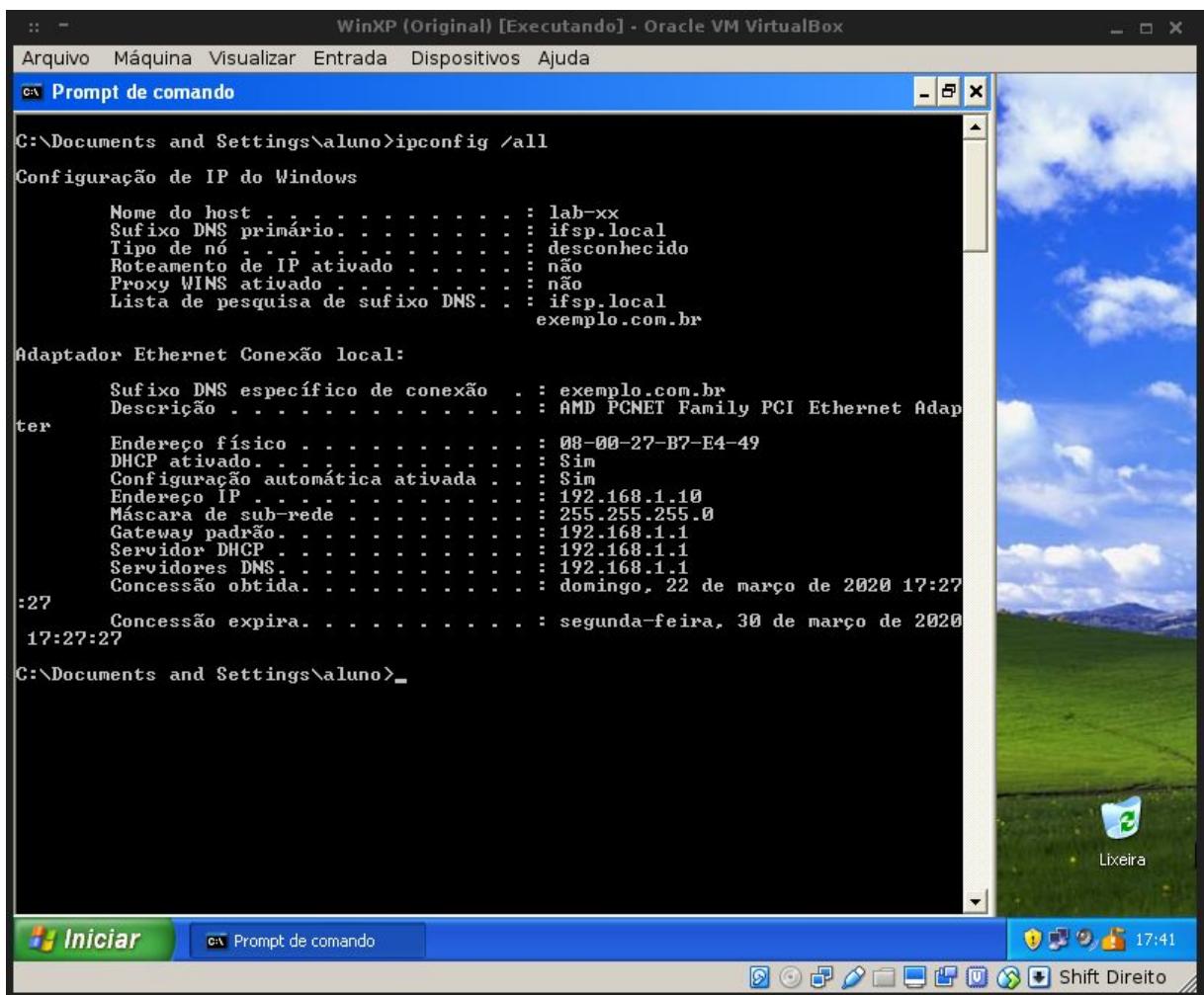
Adaptador Ethernet Internet:

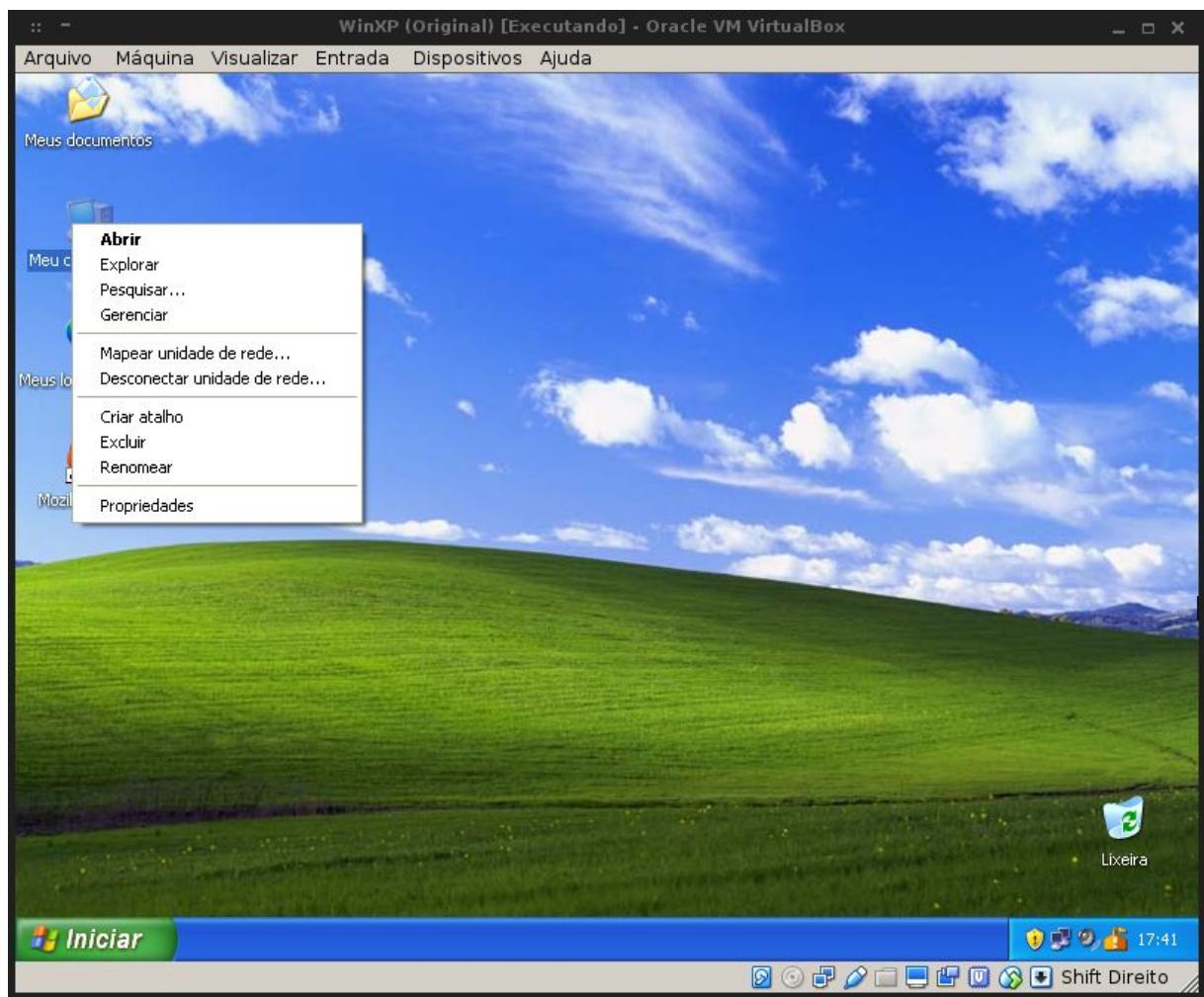
Sufixo DNS específico de conexão . . . . . : Home
Descrição . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
Endereço Físico . . . . . : 08-00-27-FB-56-65
DHCP Habilitado . . . . . : Sim
Configuração Automática Habilitada . . . . . : Sim
Endereço IPv4 . . . . . : 192.168.10.33<Preferencial>
Máscara de Sub-rede . . . . . : 255.255.255.0
Concessão Obtida . . . . . : domingo, 22 de março de 2020 17:19:32
Concessão Expira . . . . . : domingo, 22 de março de 2020 23:19:31
Gateway Padrão . . . . . : 192.168.10.1
Servidor DHCP . . . . . : 192.168.10.1
Servidores DNS . . . . . : 192.168.10.1
NetBIOS em Tcpip . . . . . : Habilitado
```

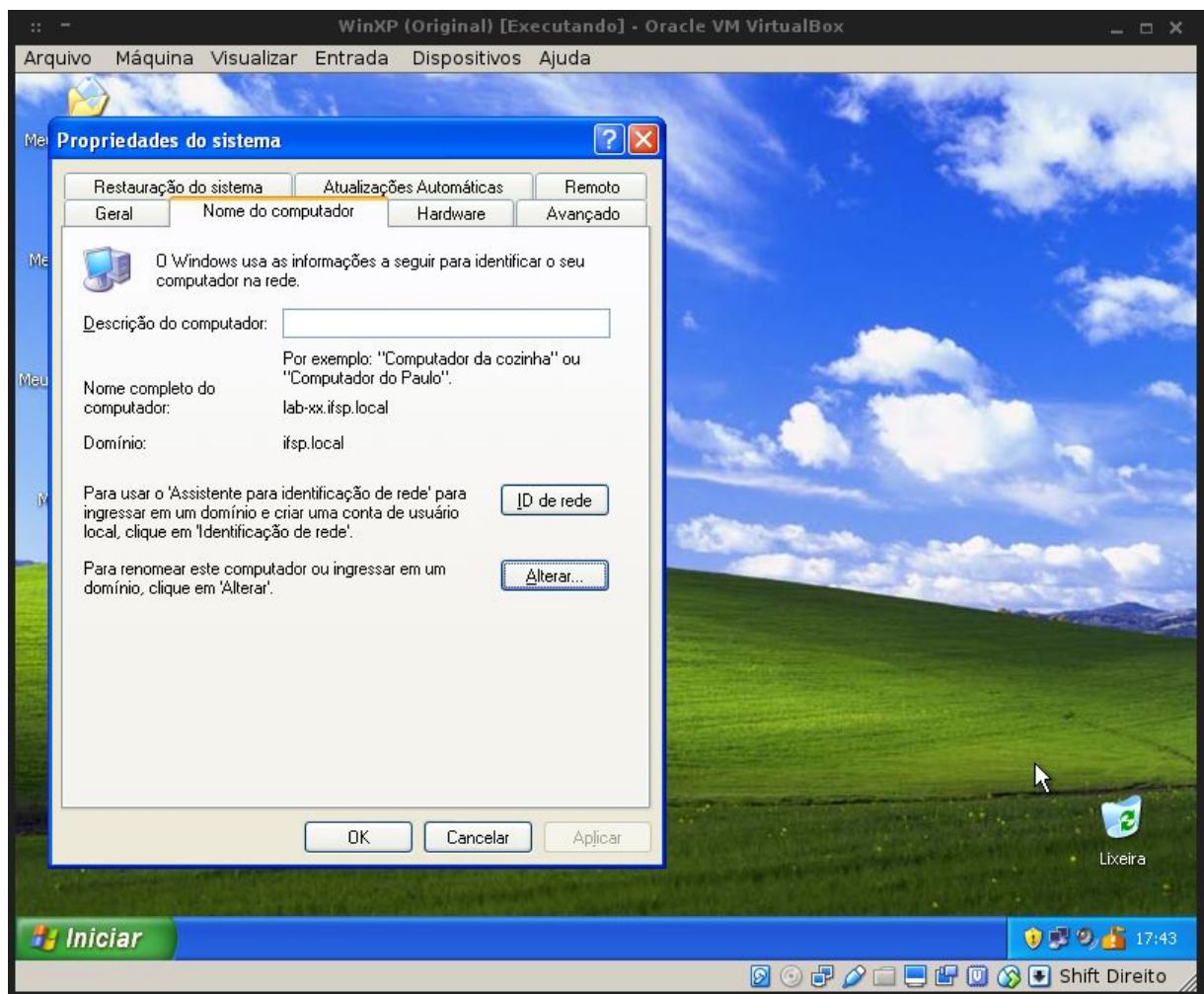
As imagens a seguir mostram como ingressar o Windows XP no domínio exemplo.com.br.

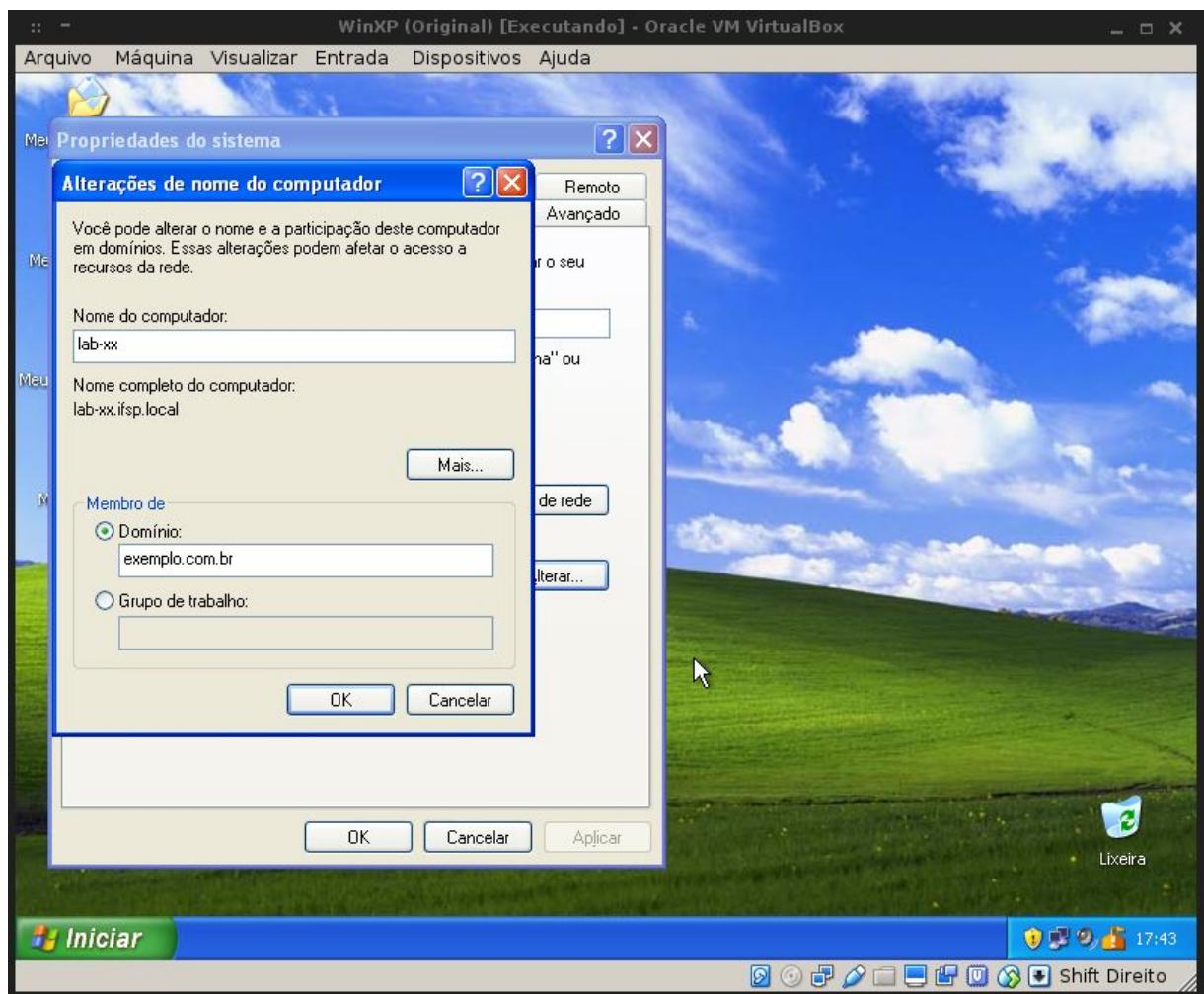


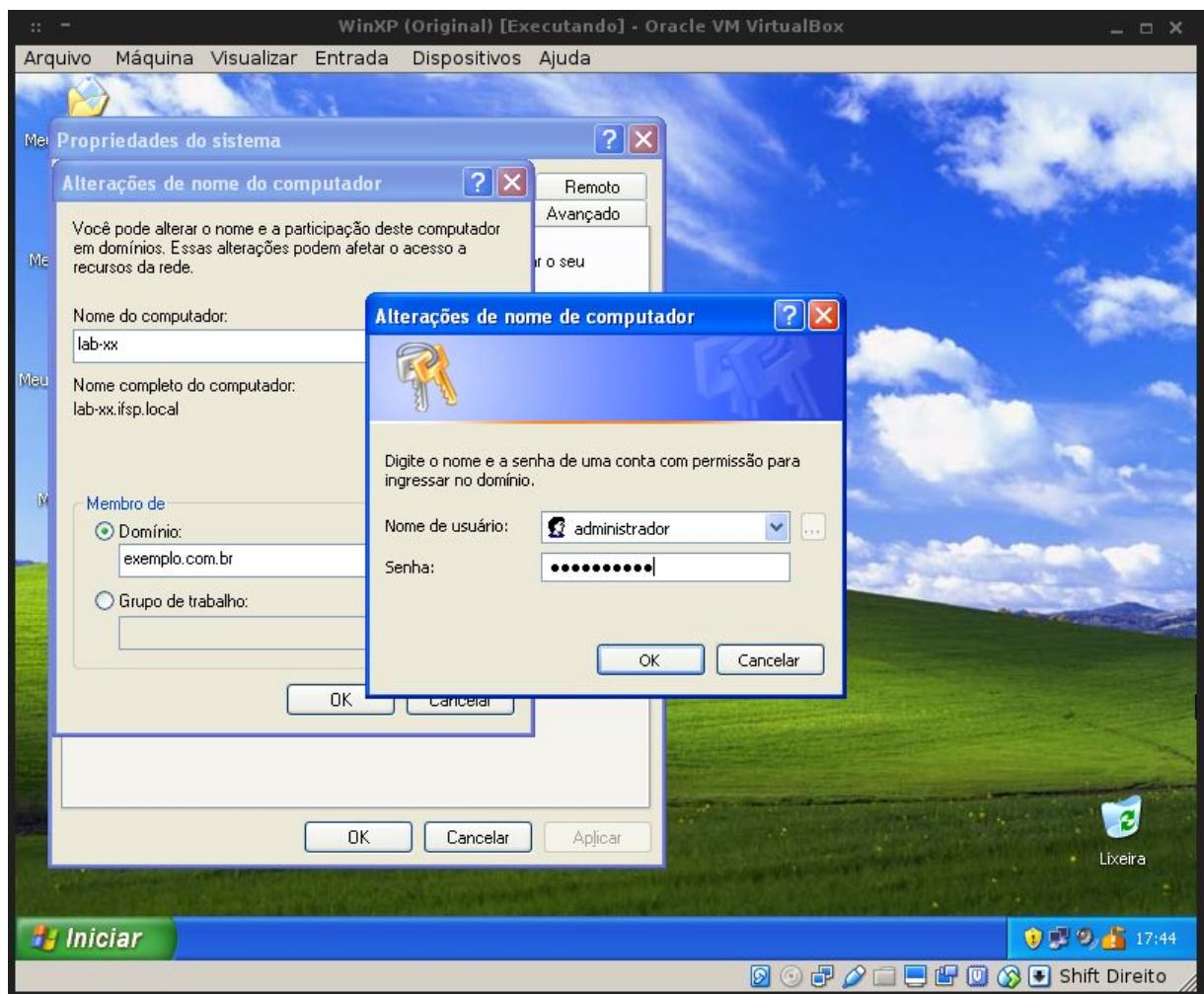


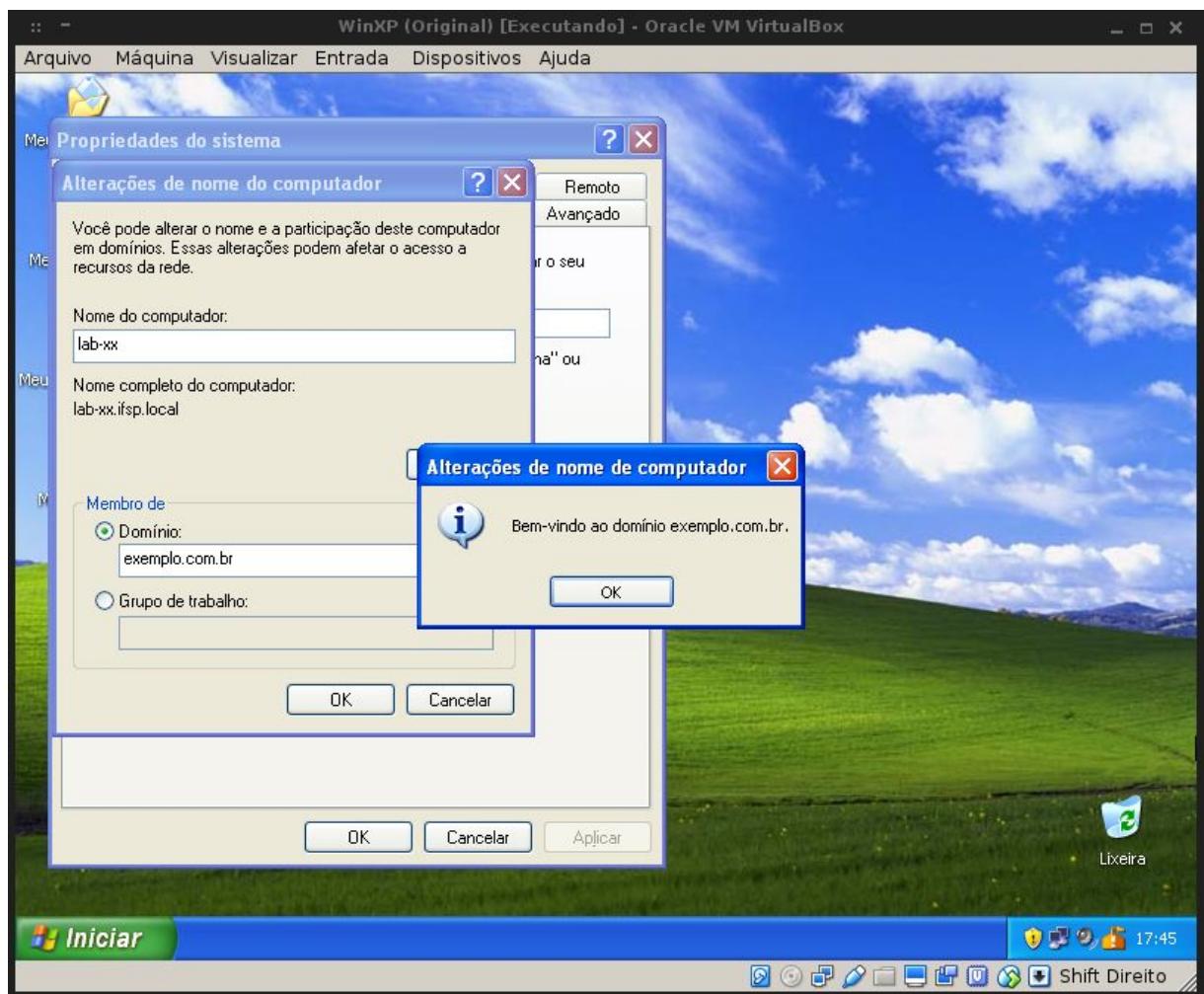


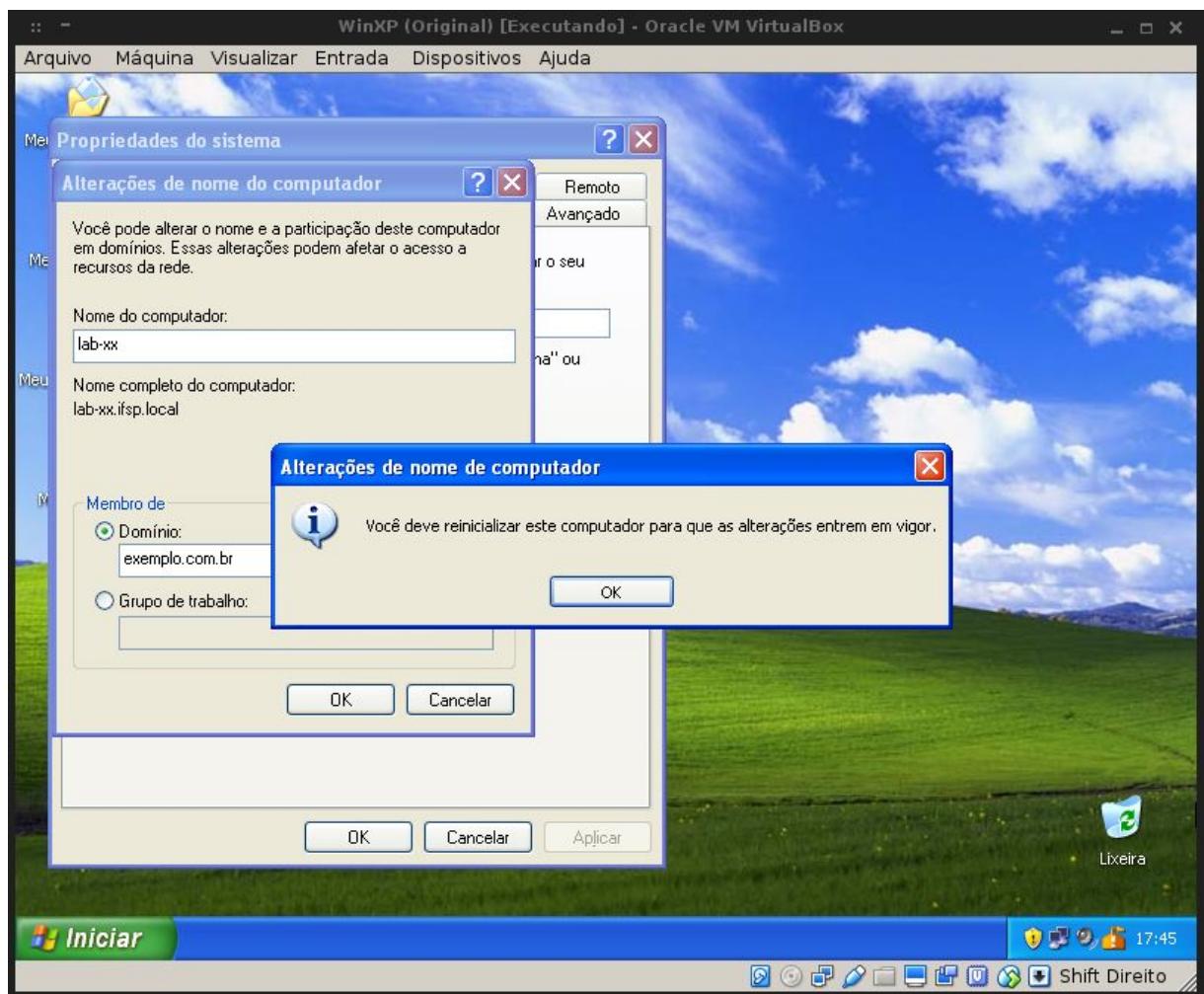


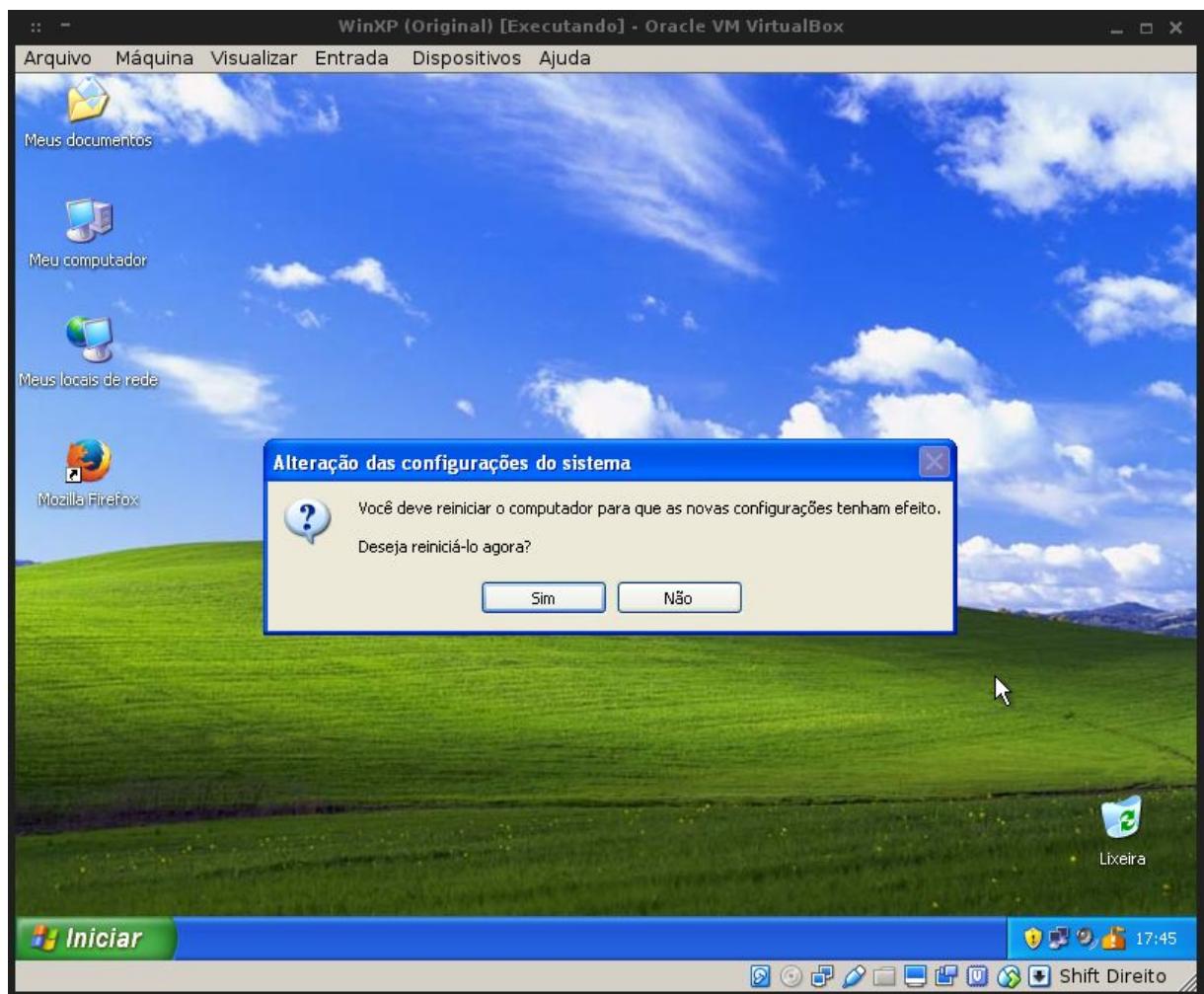


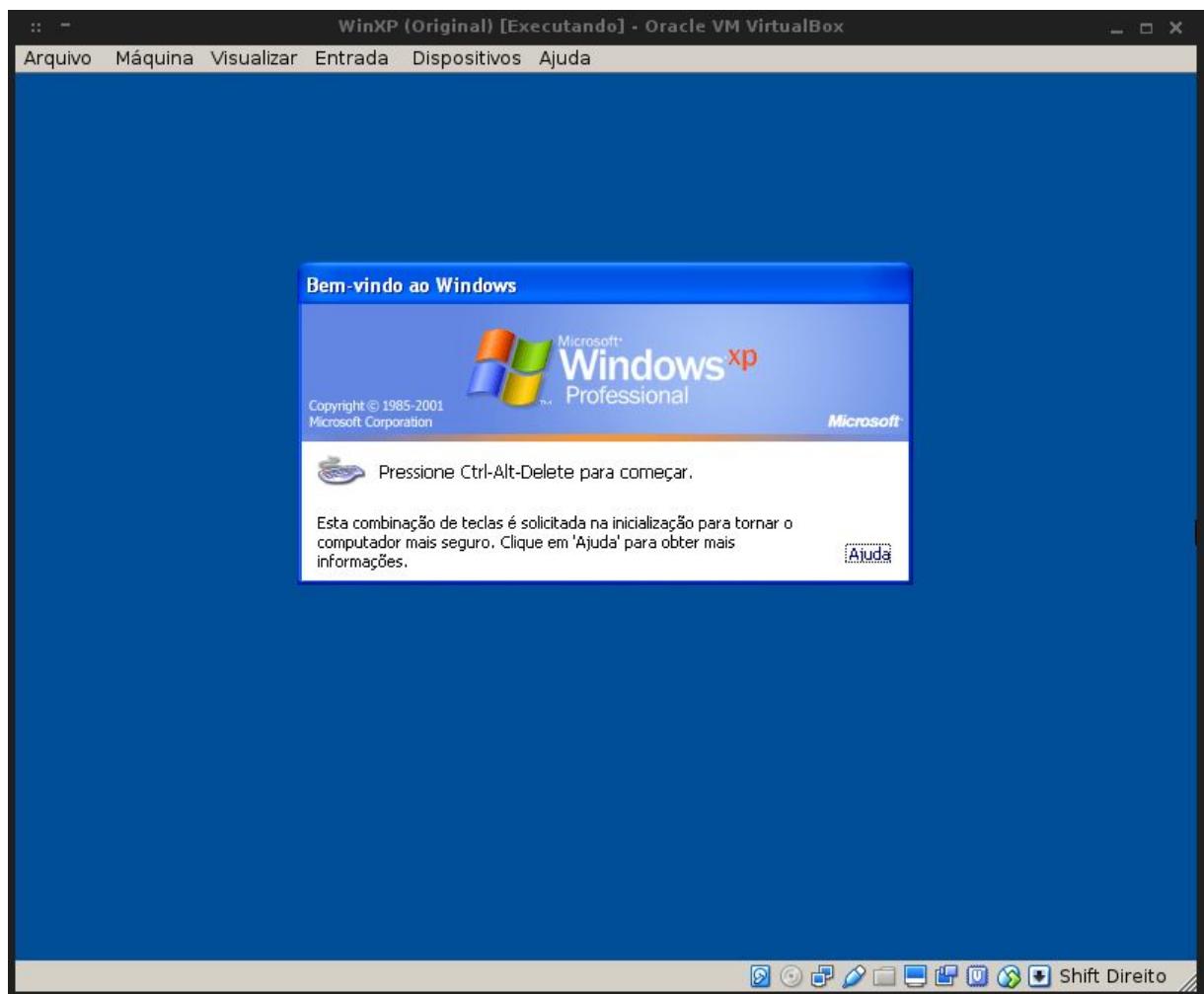


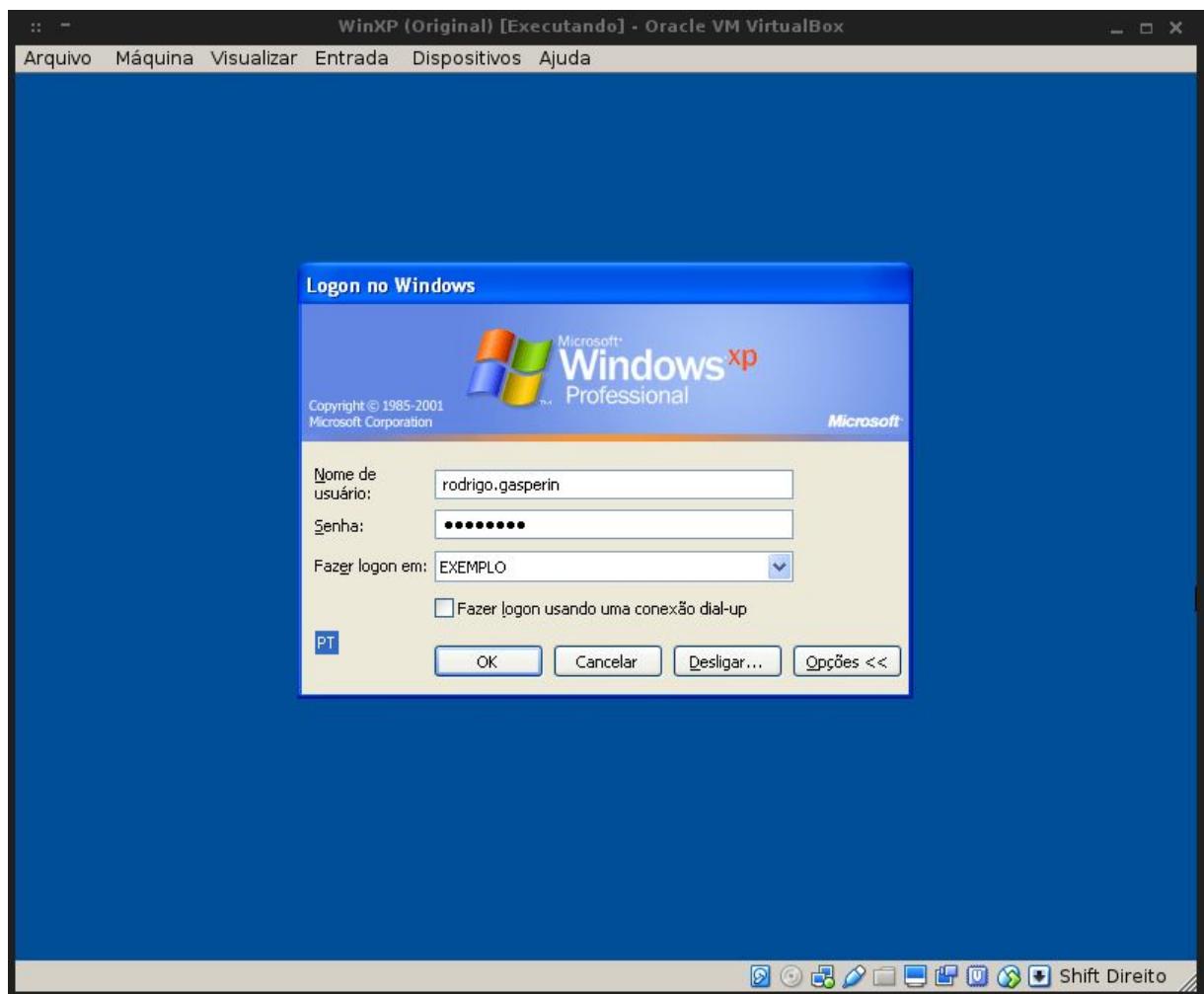


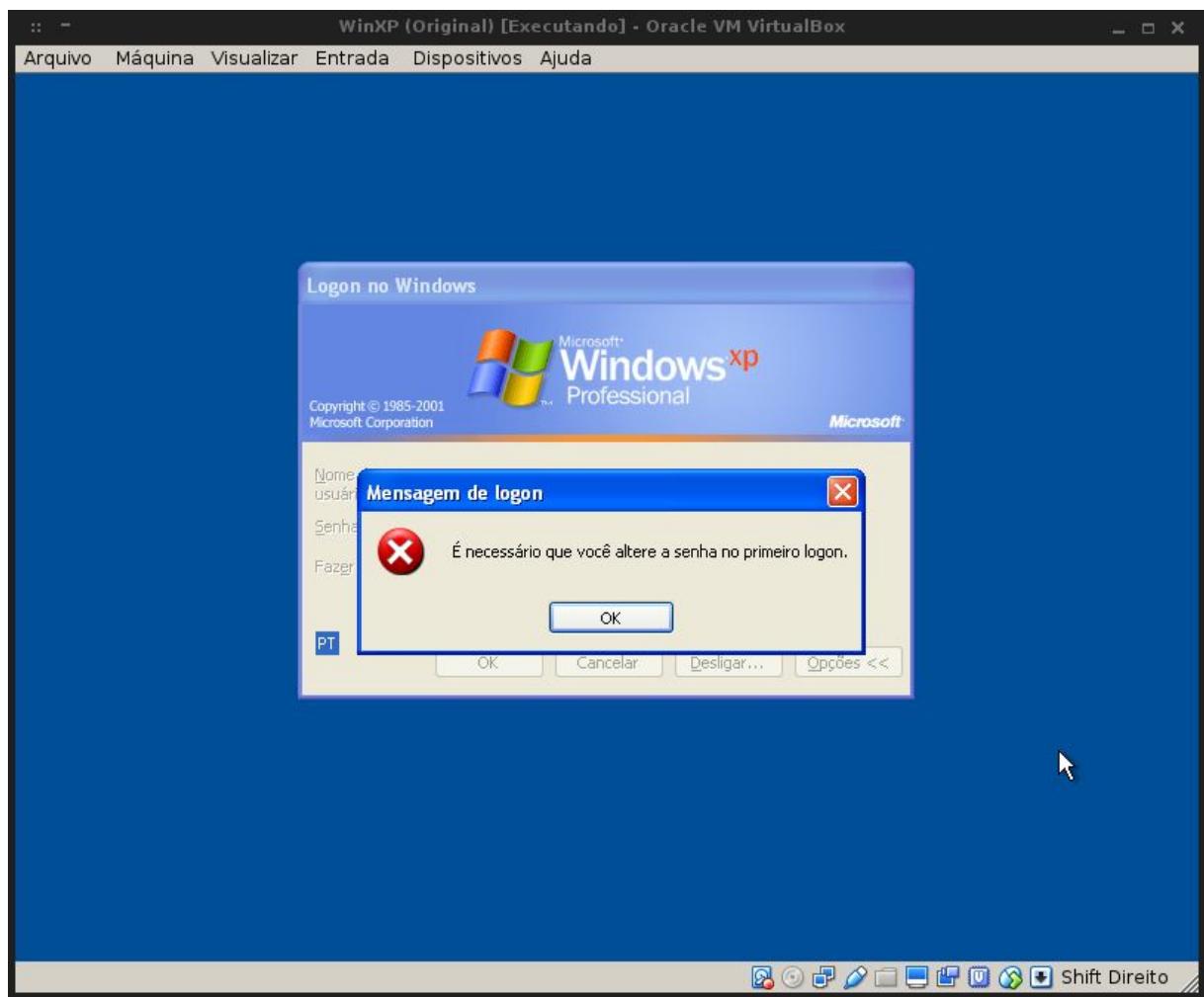


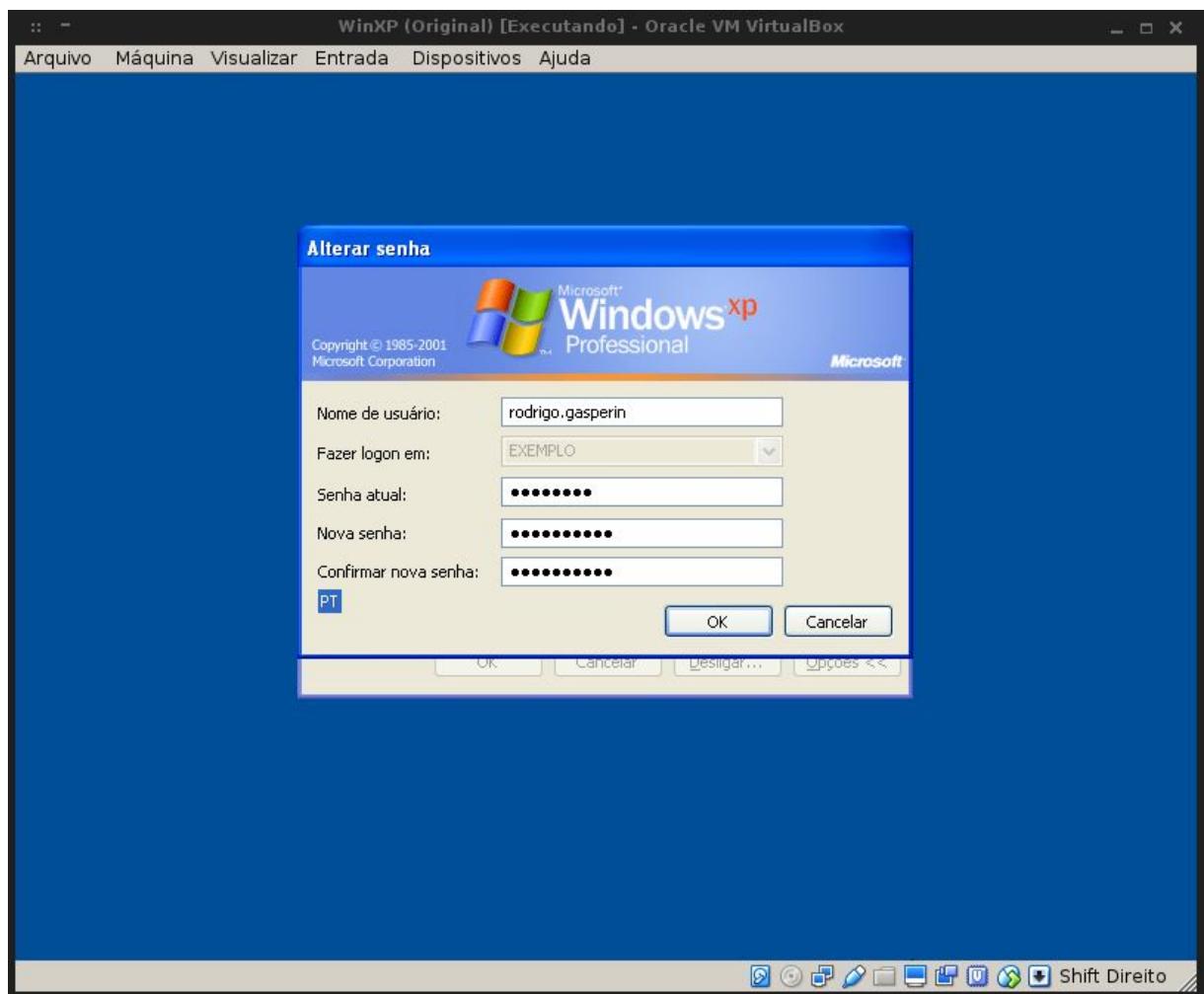


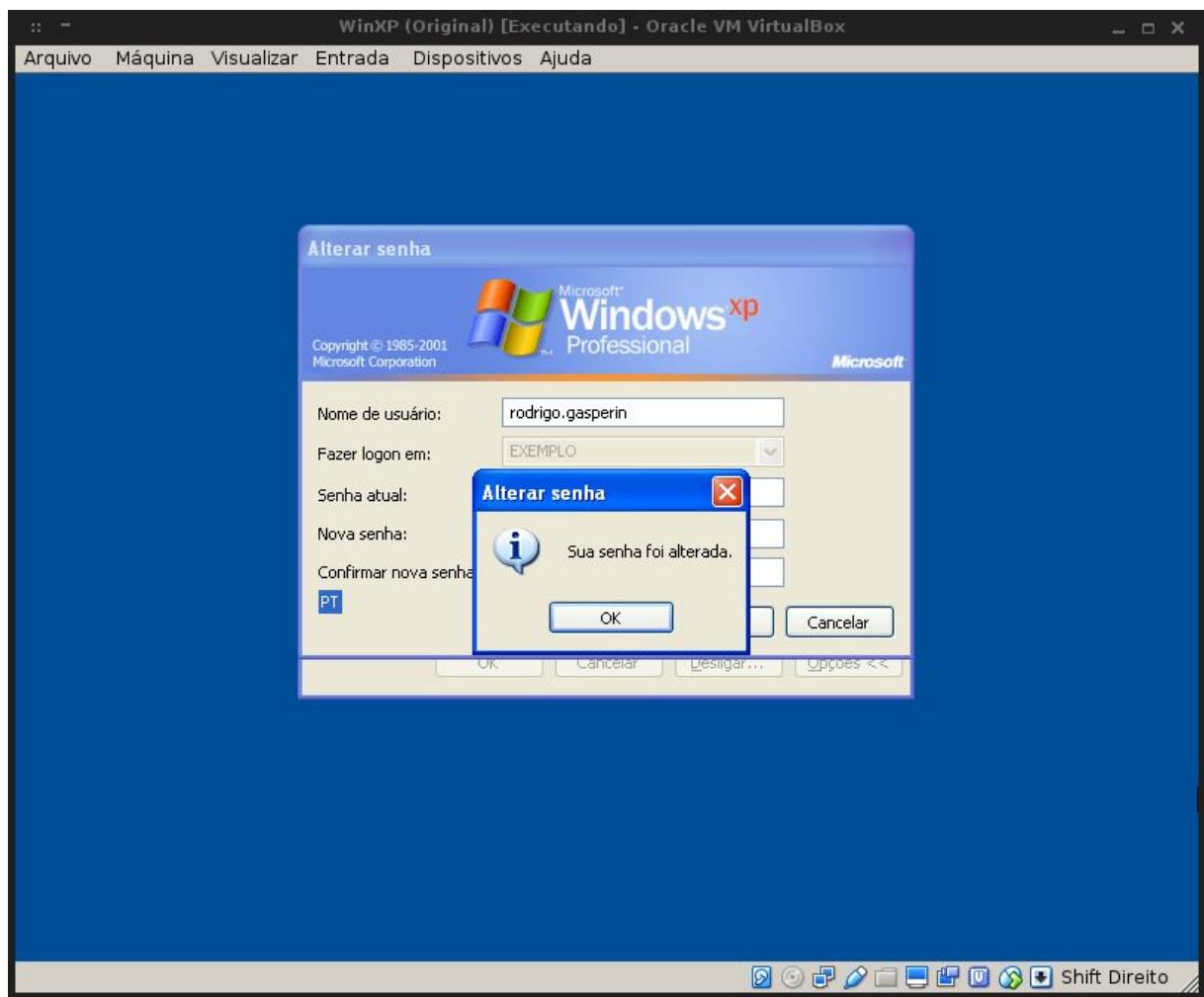


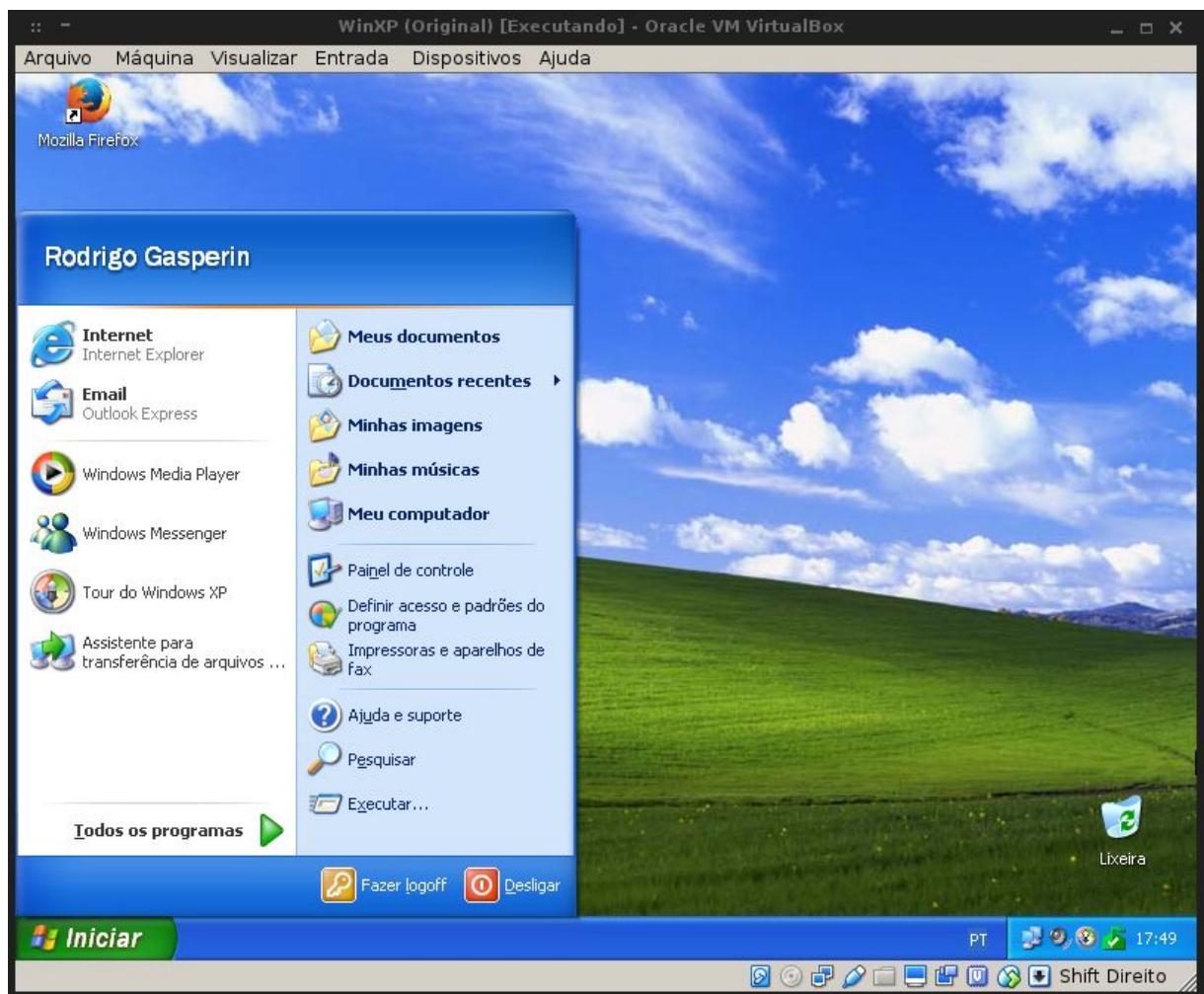


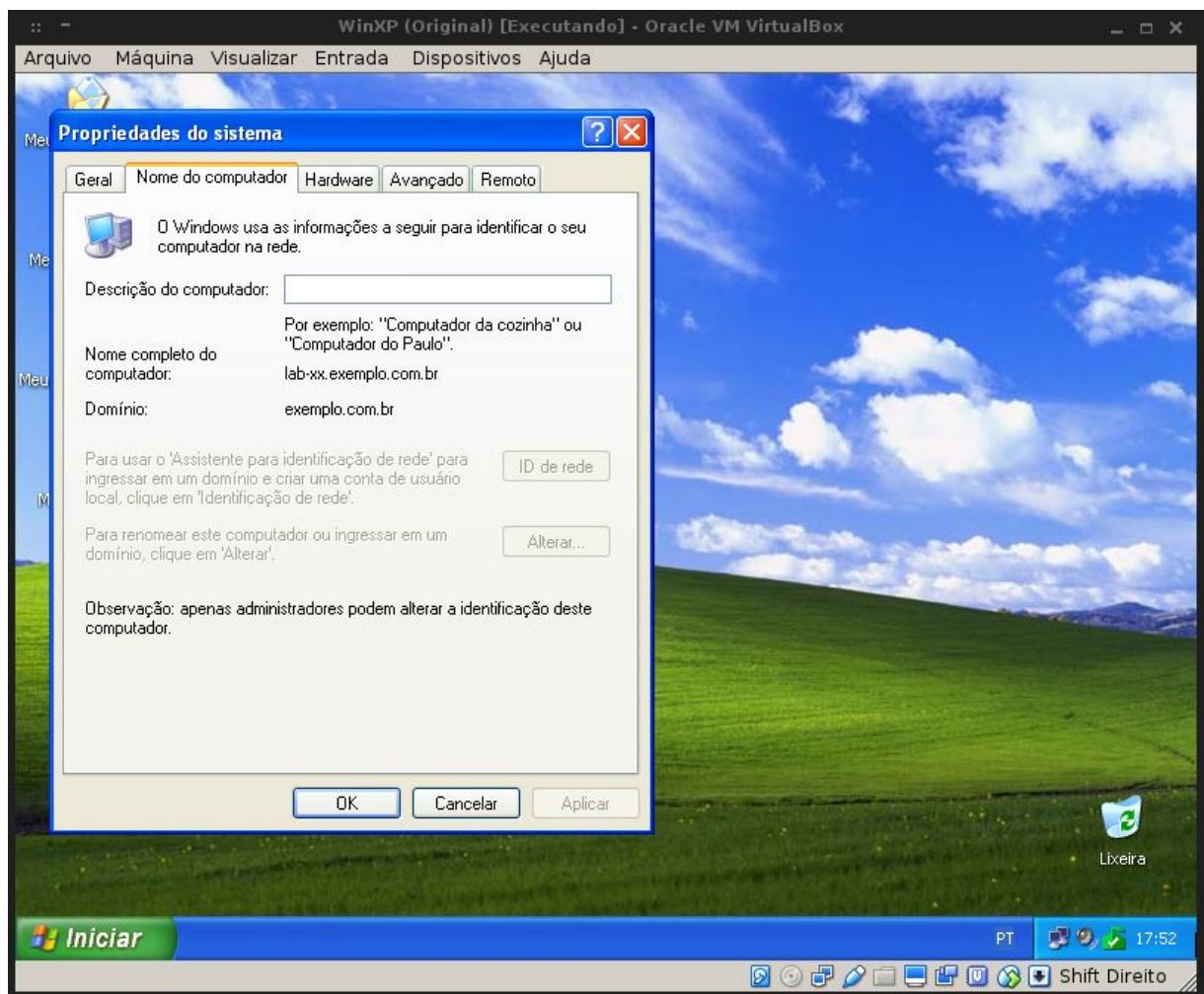












WinXP (Original) [Executando] - Oracle VM VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

C:\WINDOWS\system32\cmd.exe

```
C:\Documents and Settings\rodrigo.gasperin>ipconfig /all
Configuração de IP do Windows

    Nome do host . . . . . : lab-xx
    Sufixo DNS primário . . . . . : exemplo.com.br
    Tipo de nó . . . . . : desconhecido
    Roteamento de IP ativado . . . . . : não
    Proxy WINS ativado . . . . . : não
    Lista de pesquisa de sufixo DNS . . . . . : exemplo.com.br
                                                exemplo.com.br
                                                com.br

Adaptador Ethernet Conexão local:

    Sufixo DNS específico de conexão . . . . . : exemplo.com.br
    Descrição . . . . . : AMD PCNET Family PCI Ethernet Adapter
    Endereço físico . . . . . : 08-00-27-B7-E4-49
    DHCP ativado . . . . . : Sim
    Configuração automática ativada . . . . . : Sim
    Endereço IP . . . . . : 192.168.1.10
    Máscara de sub-rede . . . . . : 255.255.255.0
    Gateway padrão . . . . . : 192.168.1.1
    Servidor DHCP . . . . . : 192.168.1.1
    Servidores DNS . . . . . : 192.168.1.1
    Concessão obtida . . . . . : domingo, 22 de março de 2020 17:45:45
    Concessão expira . . . . . : segunda-feira, 30 de março de 2020 17:45:45

C:\Documents and Settings\rodrigo.gasperin>
```

