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## SITUAÇÃO LÓGICA

- **DNS:** Serviço do Domain Name System
  - Contido no servidor 192.168.0.2, de nomenclatura no DNS como “dns”.
  - Estão registrados os seguintes endereços:
    - “dhcp”, “dns”, “tftp”, “webserver” para o IP 192.168.0.2
    - “router” para o IP 192.168.0.1
    - “printerdire” para o IP 192.168.0.3
    - “printersecr” para o IP 192.168.0.4

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name  Type A Record

Address

No.	Name	Type	Detail
0	dhcp	A Record	192.168.0.2
1	dns	A Record	192.168.0.2
2	printerdire	A Record	192.168.0.3
3	printersecr	A Record	192.168.0.4
4	router	A Record	192.168.0.1
5	tftp	A Record	192.168.0.2
6	webserver	A Record	192.168.0.2

- **HTTP:** Serviço do Webserver
  - Contido no servidor 192.168.0.2, de nomenclatura no DNS como “webserver”.
  - Web server pode ser acessado por qualquer integrante da rede.

HTTP

☒ On ☐ Off

HTTPS

☒ On ☐ Off

File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cscoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index.html	(edit)	(delete)

- **DHCP:** Serviço de Dynamic Host Configuration Protocol
  - Contido no servidor 192.168.0.2, de nomenclatura no DNS como “dhcp”.
  - Em sua configuração, aponta como gateway o IP 192.168.0.1 e automaticamente seleciona o IP de novos integrantes da rede a partir de 192.168.0.5.

Interface: GigabitEthernet1 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 192.168.0.1

DNS Server: 192.168.0.2

Start IP Address: 192 168 0 5

Subnet Mask: 255 255 255 0

Maximum Number of Users: 251

TFTP Server: 192.168.0.2

WLC Address: 0.0.0.0

Buttons: Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.0.1	192.168.0.2	192.168.0.5	255.255.255.0	251	192.168.0.2	0.0.0.0

- **EMAIL:** Serviço de Simple Mail Transfer Protocol
  - Contido no servidor 192.168.0.2, de nomenclatura no DNS como “email”.
  - Utiliza o domain “escola.com” e permite com que usuários previamente registrados e logados em um computador enviar emails.

EMAIL

SMTP Service: ☒ ON ☐ OFF

POP3 Service: ☒ ON ☐ OFF

Domain Name: escola.com Set

User Setup

User: Password:

direcao  
secretaria1  
secretaria2

Buttons: + - Change Password

MAIL BROWSER

Mails

Buttons: Compose Reply Receive Delete Configure Mail

	From	Subject	Received
1	direcao@escola.com	RE: encontro com os pais a 16:30	19:20:51
2	secretaria2@escola.com	Relembrando para re-agendar a visita do inspetor do municipio	19:18:44

- **SSH:** Serviço de Secure Shell

- Contido no roteador 192.168.0.1, de nomenclatura no DNS como “router”.
- Permite conexão segura com o servidor SSH depois do login através de uma máquina remota.
- Configurações realizadas no CLI do terminal:

```
Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface gigabitethernet 0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up

Router(config-if)#exit
Router(config)#hostname ADMIN
ADMIN(config)#ip domain-name admin.com
ADMIN(config)#crypto key generate rsa
The name for the keys will be: ADMIN.admin.com
Choose the size of the key modulus in the range of 360 to 2048 for your
General Purpose Keys. Choosing a key modulus greater than 512 may take
a few minutes.

How many bits in the modulus [512]: 1024
% Generating 1024 bit RSA keys, keys will be non-exportable...[OK]

ADMIN(config)#
*mar 1 0:3:26.678: %SSH-5-ENABLED: SSH 1.99 has been enabled
ADMIN(config)#ip ssh version 2
ADMIN(config)#ip ssh authentication-retries 3
ADMIN(config)#ip ssh time-out 30
ADMIN(config)#username cisco privilege 15 password cisco 123
ADMIN(config)#line vty 0 4
ADMIN(config-line)#login local
ADMIN(config-line)#privilege level 15
ADMIN(config-line)#transport input ssh
ADMIN(config-line)#end
ADMIN#
%SYS-5-CONFIG_I: Configured from console by console
```