

Projet Infrastructure Réseau

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Présentation du Sujet

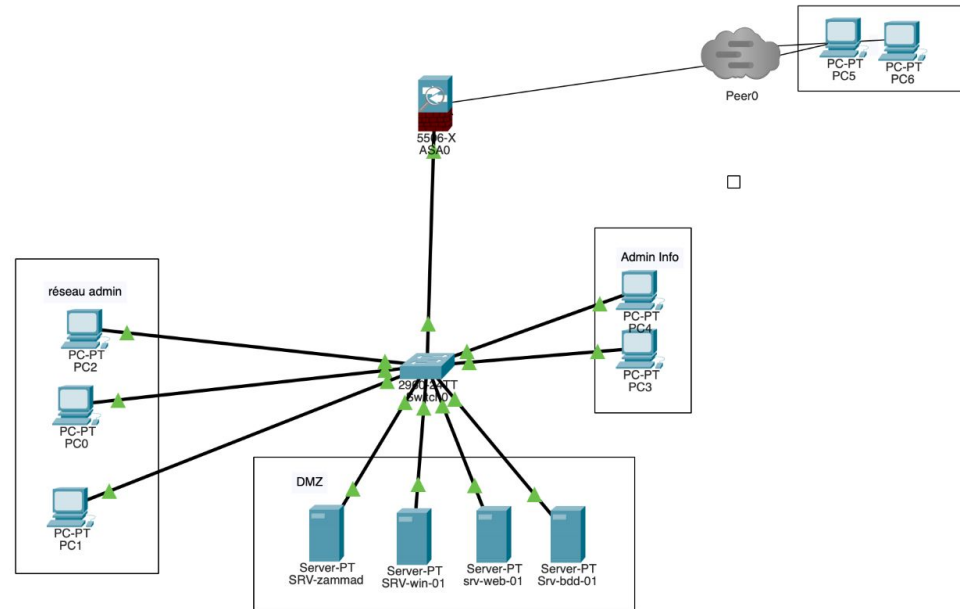
Déploiement et Gestion d'une solution des rendez-vous médicaux



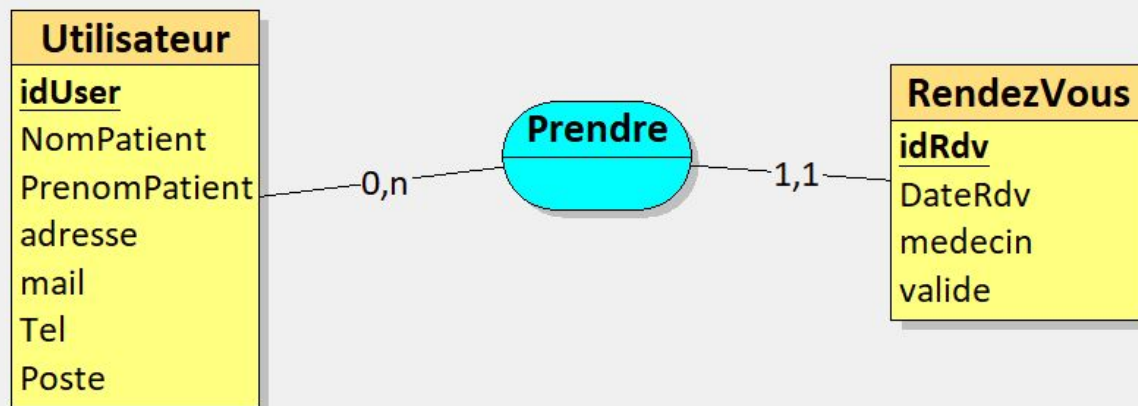
- Entreprise du domaine médical
- Gestion de prise de Rendez vous
- Gestion de Cabinets médicaux

Solutions proposées

Schéma Packet Tracer



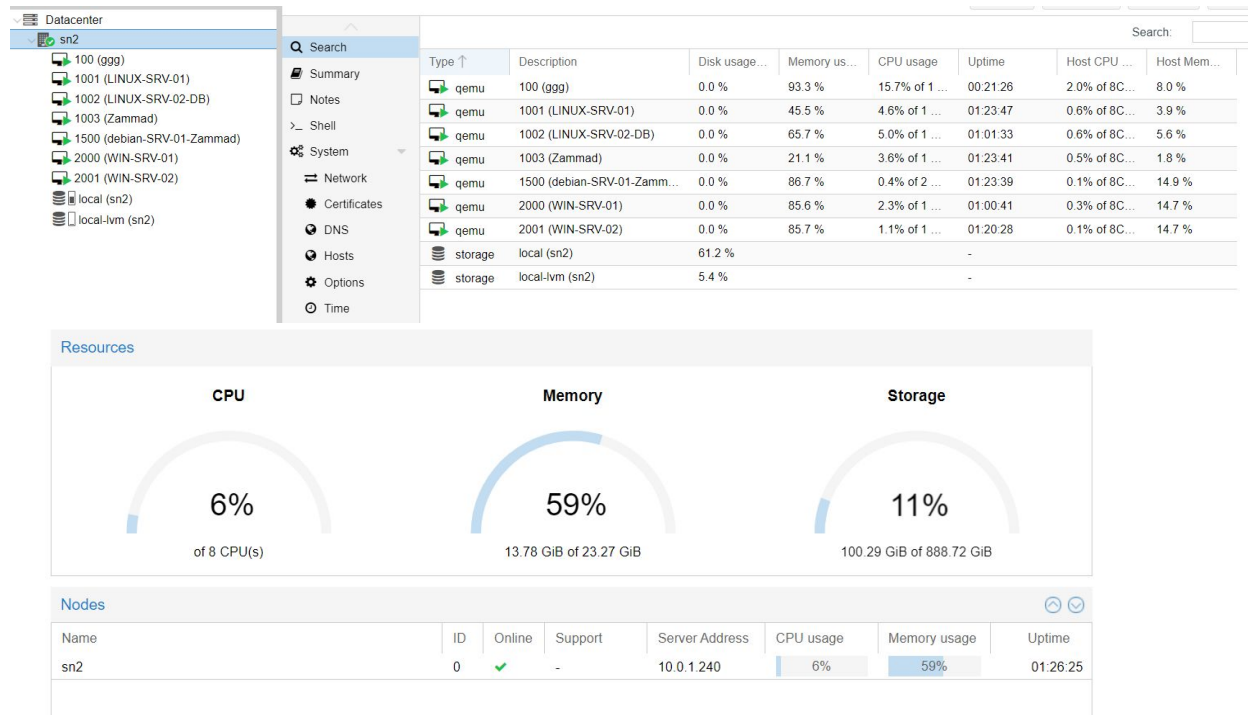
Base de données



Mise en place du Proxmox/serveurs

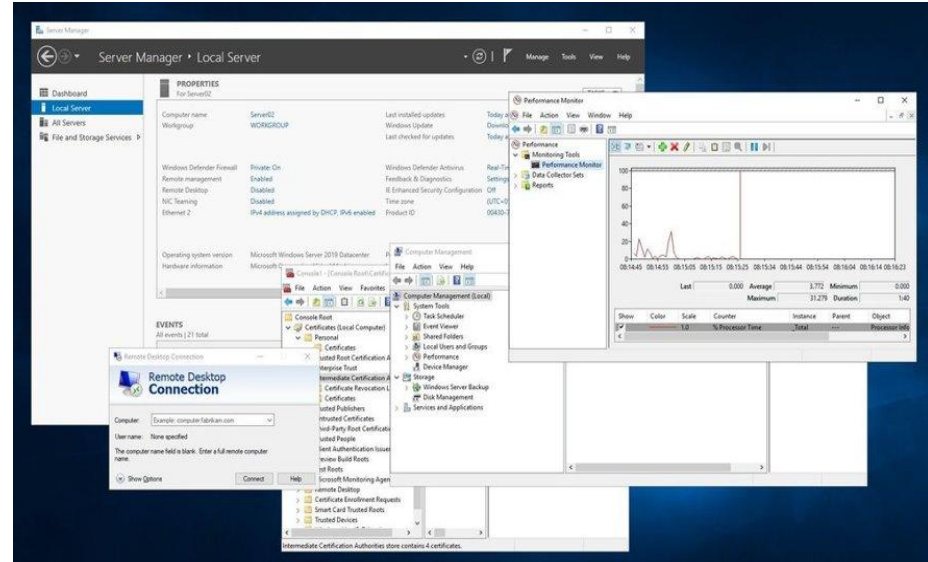
Mise en place de Proxmox et des serveurs (1)

Proxmox →



Mise en place de Proxmox et des serveurs (2)

Windows serveur 2019



Apache 2



Serveur Base de Donnée

```
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 |
+-----+
| information_schema |
| mysql            |
| performance_schema |
| projet_B2        |
| sys              |
+-----+
5 rows in set (0,02 sec)

mysql> use projet_B2
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

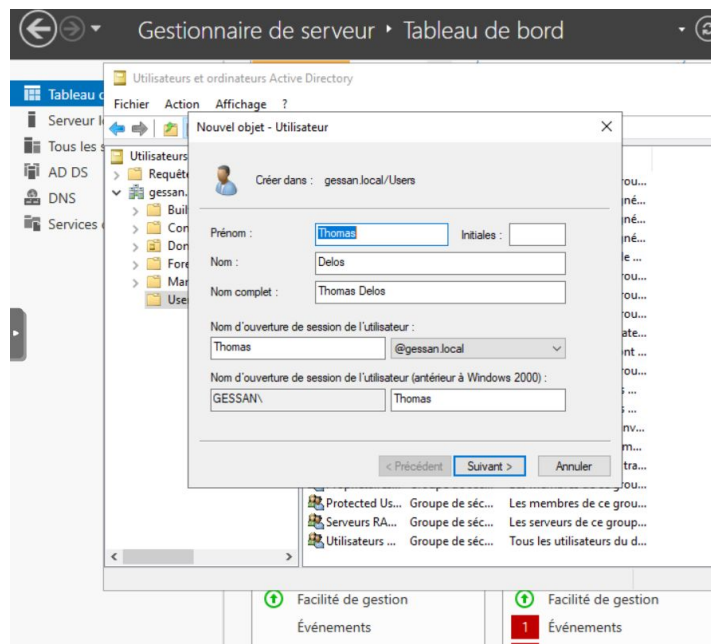
Database changed
mysql> show tables
    -> ;
+-----+
| Tables_in_projet_B2 |
+-----+
| user_user           |
+-----+
1 row in set (0,00 sec)
```

Mise en place du réseau

Firewall



DNS et réseau local



Configuration des switches

Sen e Community Edition

System - Interfaces - Firewall - Services - VPN - Status - Diagnostics - Tools - Help

Status / Dashboard

System Information

Name: pfSense.localdomain

Version: 2.3.2-RELEASE (amd64)
built on Tue Jul 19 12:44:43 CDT 2016
FreeBSD 10.3-RELEASE-p5

Unable to check for updates

Platform: pfSense

CPU Type: Intel(R) Xeon(R) CPU E5-1620 v2 @ 3.70GHz

Uptime: 00 Hour 04 Minutes 47 Seconds

Current date/time: Mon Sep 12 16:45:39 CEST 2016

DNS server(s): 127.0.0.1

Last config change: Thu Sep 8 15:56:58 CEST 2016

State table size: 1% (246/22000) [Show status](#)

MBUF Usage: 7% (1016/13698)

Load average: 0.03, 0.22, 0.14

CPU usage: 5%

Memory usage: 40% of 221 MB

SWAP usage: 0% of 511 MB

Disk usage (/): 8% of 7.2GB - ufs

Disk usage (/var/run): 2% of 3.4MB - ufs in RAM

Interfaces

WAN	1000baseT <full-duplex>	n/a
LAN	1000baseT <full-duplex>	192.168.65.10
VIA	1000baseT <full-duplex>	192.168.42.1

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Configuration des VLAN

VLAN Configuration

	VLAN ID	VLAN Name	VLAN Type
☐			Static
☐	1	Default	Default
☐	2	Auto VoIP	AUTO VoIP
☐	3	Auto-Video	Auto-Video
☐	10	administration	Static
☐	20	production	Static
☐	30	admin_info	Static
☐	100	Wifi	Static
☐	200	DMZ	Static

Reset

Reset Configuration ☐

VLAN

Démonstration

Axes d'améliorations

Axes d'améliorations

- FTP
- SNTP
- Redondance
- Sauvegarde externalisée
(open media vault)



Zammad

Conclusion