



Projet SDIS29



Sommaire

- Introduction
- Phase Analyse
- Partie Développeur
- Partie Réseaux



Introduction

Qu'est ce que le SDIS29 ?

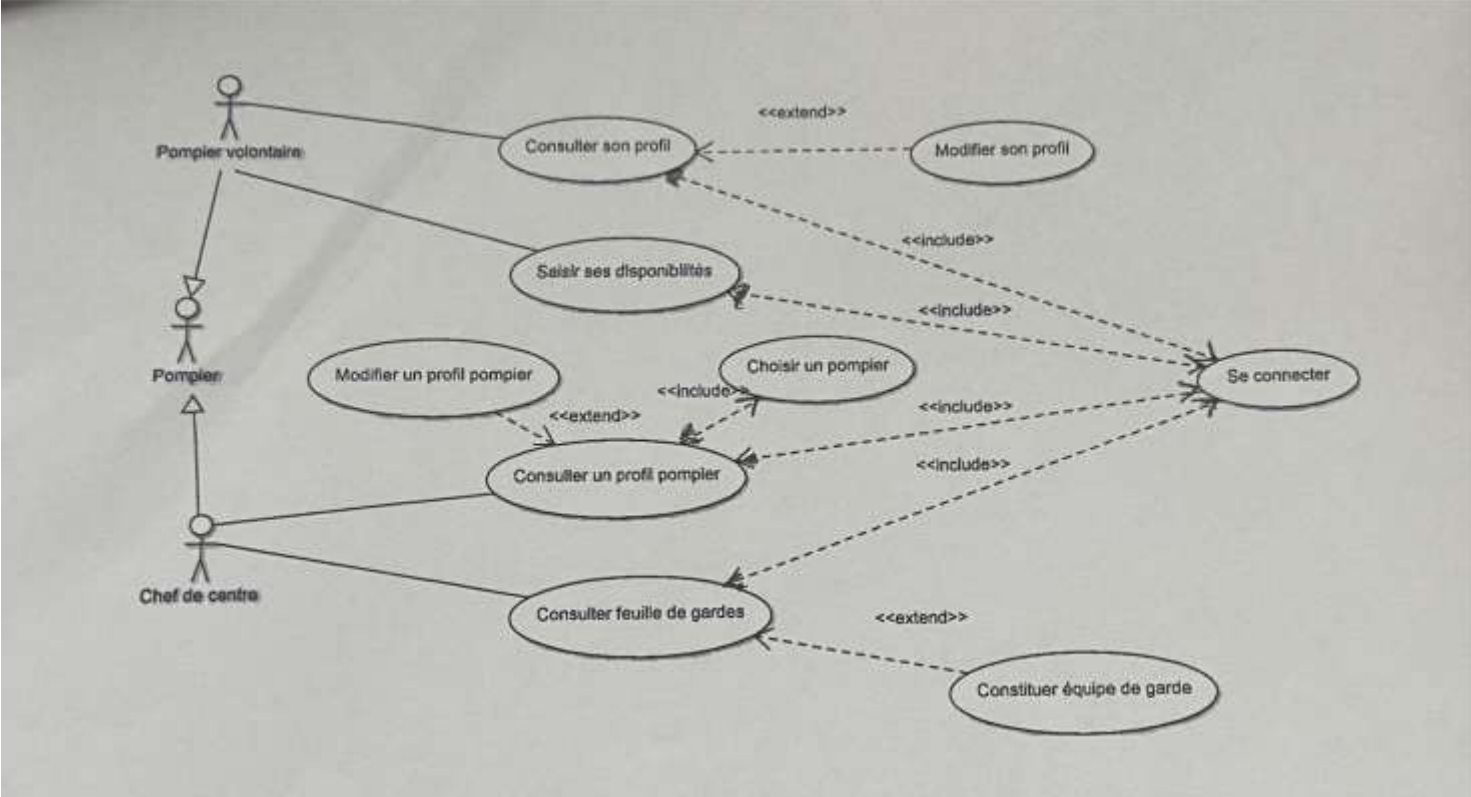
Besoin du client ?


Organisation ?

Phase Analyse


Diagramme des cas d'utilisation

version final





BANNALEC
Rue Eugène Cadic - 29380
(GT de CONCARNEAU)
02.98.39.83.02

pompiers | Bienvenue Joëlle BRETON 

SDIS29 : gestion des gardes et des interventions

Liste pompiers BRETON Joëlle ▼

Mes disponibilités Mes gardes Mon profil

Coordonnées

Nom	BRETON
Prénom	Joëlle
Adresse	
Code postal	
Ville	
Téléphone	5
Adresse électronique	joëlle.breton@sdis29.fr
Nom de compte	jBRET

Centre d'Incendie et de Secours


Code	2924
Nom	BANNALEC
Adresse	Rue Eugène Cadic - 29380
Téléphone	02.98.39.83.02
Groupement	CONCARNEAU

Fonction


Type	pompier volontaire
Grade	Sapeur
Statut	pompier

Observations

.



ILE DE OUESSANT
Kernigou - 29242
(OT de BREST)
02.98.48.85.59

parametres | gardes | pompiers | Bienvenue François DURAND 

SDIS29 : gestion des gardes et des interventions

MODIFICATION DU POMPIER BRETON Joëlle

Coordonnées

Nom	BRETON
Prénom	Joëlle
Adresse	
Code postal	<input type="text" value="CP"/>
Ville	
Adresse électronique	joëlle.breton@sdis29.fr
Téléphone	5
Nom de compte	jBRET
Nouveau mot de passe ?	<input checked="" type="radio"/> Non <input type="radio"/> Oui



Centre d'Incendie et de Secours


Code	2924
Nom	ILE DE OUESSANT
Adresse	Kernigou - 29242
Téléphone	02.98.48.85.59
Groupement	BREST

Fonction

Type	<input type="text" value="pompiers volontaire"/>
Grade	<input type="text" value="Sapeur"/>
Statut	<input type="text" value="pompiers"/>

Observations



 Lycée Le Castel à Dijon - BTS SIO 2 - 2018 Blain Pascal

Maquette

Version final



The screenshot shows a web application interface for SDIS29. At the top left is the logo of the Ile de Ouessant fire department. The header contains the text "pompiers | Bienvenue Joëlle BRETON" and a power button icon. The main title is "SDIS29 : gestion des gardes et des interventions". Below this is a search bar containing "BRETON Joëlle". There are three tabs: "Mes disponibilités", "Mes gardes", and "Mon profil". A red box highlights the "Mes gardes" tab and the text "X indique une garde". Below this is a calendar for "Semaine 42 : du lundi 15/10/2018 au dimanche 21/10/2018". The calendar grid shows dates from Monday 15/10 to Sunday 21/10, with columns for 1, 2, 3, and 4 shifts. Yellow cells indicate scheduled guard shifts.

ILE DE OUESSANT
Kernigou - 29242
107 av. SREST
02.98.48.85.59

pompiers | Bienvenue Joëlle BRETON

SDIS29 : gestion des gardes et des interventions

BRETON Joëlle

Mes disponibilités Mes gardes Mon profil

X indique une garde

Semaine 42 : du lundi 15/10/2018 au dimanche 21/10/2018

Semaine 42 : du lundi 15/10/2018 au dimanche 21/10/2018																											
Lundi 15/10				Mardi 16/10				Mercredi 17/10				Jeudi 18/10				Vendredi 19/10				Samedi 20/10				Dimanche 21/10			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

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Maquette

Version final

CIS Ile d'Ouessant : feuille de garde semaine 42																																
		Lun 17/10				Mar 18/10				Mer 19/10				Jeu 20/10				Ven 21/10				Sam 22/10				Dim 23/10						
VOLONTAIRE	N° bip	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Breton Joëlle	5		X			X				X	X			X	X	X		X		X	X		X				X				X	X
Cabon Yohann	6					X		X	X		X	X		X	X	X		X	X				X	X	X		X	X		X	X	
Carette Patrick	12	X	X																X	X	X	X	X		X	X		X	X			
Clébert Marc	19	X	X		X					X	X							X	X	X	X	X	X		X					X	X	
Dubois Yves	9																															
Dujardin Alex	10	X		X		X	X	X	X		X		X	X	X	X											X	X	X	X		
Dupond Carole	4			X	X	X	X	X		X	X		X	X	X	X		X	X													
Durand François	2		X	X		X	X							X	X			X	X		X		X		X		X		X		X	
Fernandez Henri	18	X		X	X		X	X		X		X	X	X	X	X				X	X		X		X		X		X		X	
Legall Yasmina	3	X				X	X			X	X	X	X		X		X			X	X	X	X	X	X		X	X	X	X	X	
Martin Alain	17	X	X	X			X	X	X			X	X	X			X	X			X	X		X	X		X	X	X	X	X	
Yayaoui Pierre	11		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X		X	X		X		X		X	X		X	X	

Remarques :

Chaque case correspond à une tranche horaire d'un jour de la semaine :

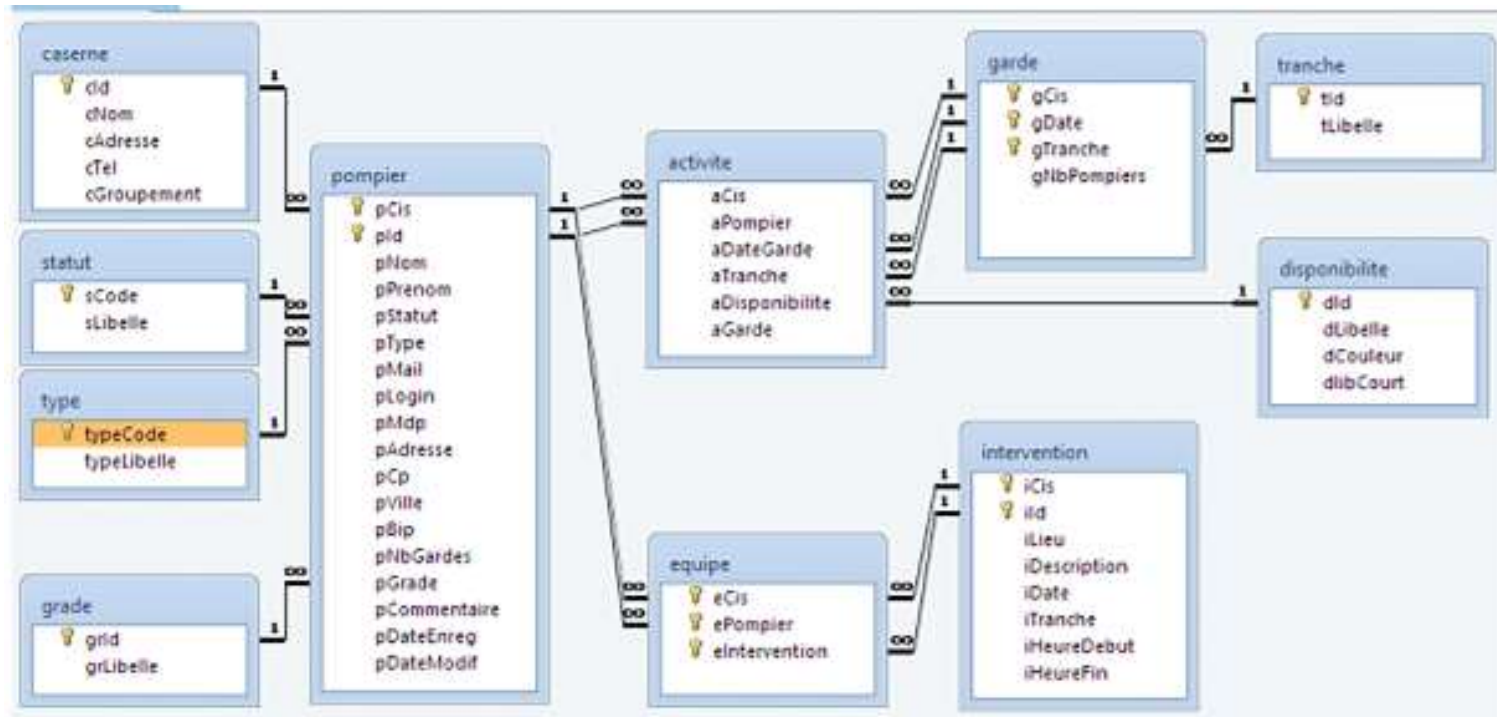
- Une case blanche signifie que le volontaire est disponible pour cette tranche.
- Une case hachurée signifie que le volontaire est au travail pendant cette tranche.
- Une case pleine signifie que le volontaire est indisponible pendant cette tranche.
- Une croix indique que le volontaire a été désigné de garde pour cette tranche horaire.

Exemples pour le lundi 17/10 :

- Durand François est disponible pour les quatre tranches horaires. Il est de garde pour les tranches 2 et 3.
- Legall Yasmina est au travail pour les tranches horaires 2, 3 et 4. Elle est de garde pour les tranches 1 et 4.
- Dubois Yves est indisponible pour les quatre tranches horaires, il n'est donc pas de garde pour cette journée

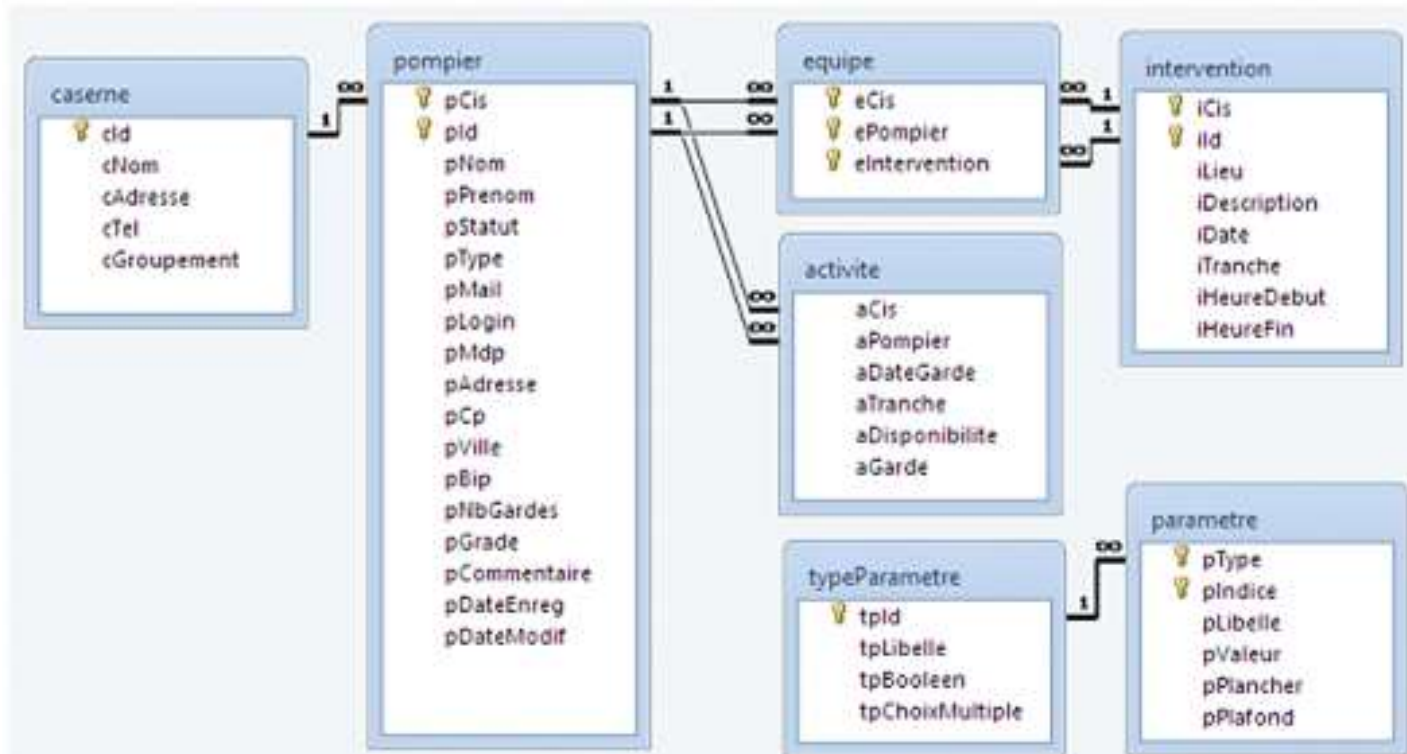
Modèle Logique de Données Relationnel

Version final 1



Modèle Logique de Données Relationnel

Version final 2





Partie Développeur

Mission 1 : Gestion de profil



Mission 2 : Gestion des disponibilités

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IGT de COGNEAUX
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paramètres | gardes | pompiers | Bienvenue François DURAND

SDIS29 : gestion des gardes et des interventions

Liste pompiers DURAND François

Mes disponibilités Mes gardes Mon profil

21/10/2022 tranche 3


Indispo Dispo Travail

valider




Mission 2 : Gestion des disponibilités












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[parametres](#) | [gardes](#) | [pompiers](#) | Bienvenue François DURAND 

SDIS29 : gestion des gardes et des interventions

Liste pompiers      9/14  

[Mes disponibilités](#) | [Mes gardes](#) | [Mon profil](#)

Gardes réalisées (59 gardes)

Date de la garde	nuit : 0h/6h	matin : 6h/12 h	après-midi : 12h/18h	soirée : 18h/24h
23/10/2022				
22/10/2022				
21/10/2022				
20/10/2022				
18/10/2022				
17/10/2022				
14/10/2022				
13/10/2022				
12/10/2022				
11/10/2022				
10/10/2022				
09/10/2022				
08/10/2022				
06/10/2022				
04/10/2022				
03/10/2022				
02/10/2022				
01/10/2022				
29/09/2022				
28/09/2022				
27/09/2022				
26/09/2022				
18/09/2022				
17/09/2022				
15/09/2022				

Mission 2 : Gestion de la feuille de garde



BANNALEC
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(GT de CONCARNEAU)
02.98.39.83.02

parametres | gardes | pompiers | Bienvenue François DURAND



SDIS29 : gestion des gardes et des interventions

Feuille de gardes

		Semaine 43 : du lundi 17/10/2022 au dimanche 23/10/2022																															
Volontaire	N° Bip	Lundi 17/10				Mardi 18/10				Mercredi 19/10				Jeudi 20/10				Vendredi 21/10				Samedi 22/10				Dimanche 23/10							
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
BRETON Joëlle	5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CABON Yohann	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CARETTE Patrick	12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CLÉBERT Marc	19	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CORNIC Patrick	14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DUBOIS Yves	9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DUJARDIN Alex	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DUPOND Carole	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DURAND François	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FERNANDEZ Henri	18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LEGALL Yasmina	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MARTIN Alain	17	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MASSON Nicolas	13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
YAYAOUI Pierre	11	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Partie Réseaux

Mission 1 - Installation et Infrastructure

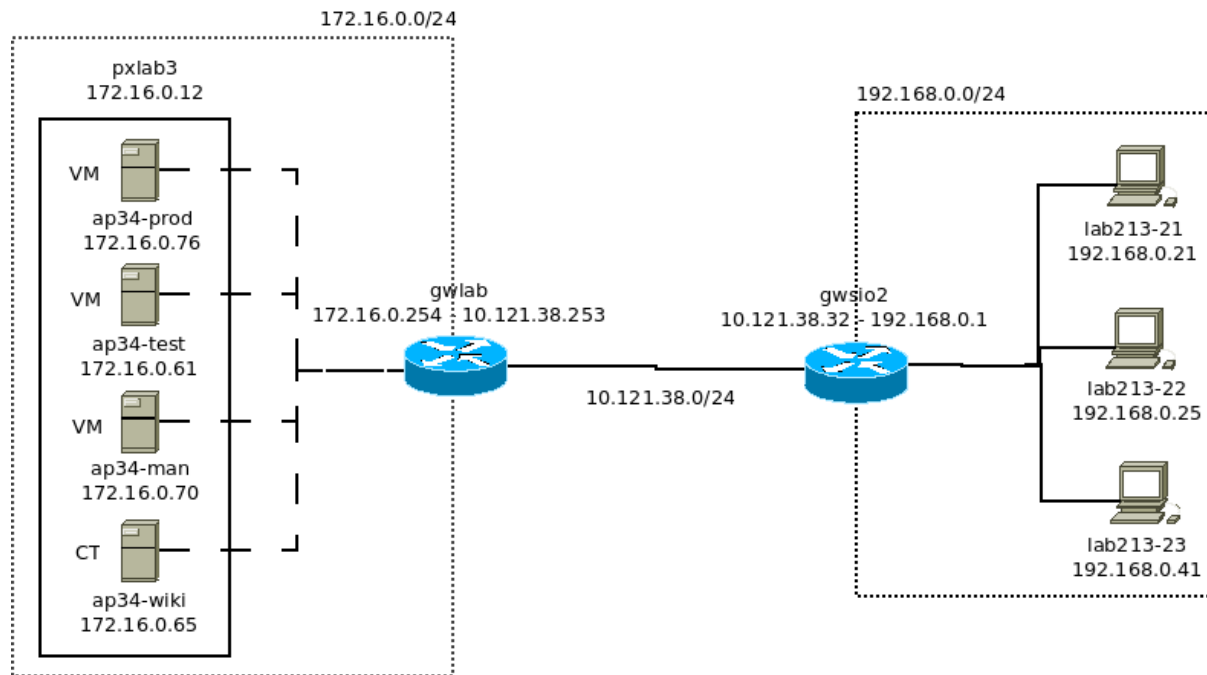


Les serveurs :

- Serveur de Production (ap34-prod)
- Serveur de Test (ap34-test)
- Serveur de Supervision (ap34-mon)
- Serveur dokuwiki (ap34-wiki)
- Serveur de backup (MV Virtualbox)

Mission 1 - Installation et Infrastructure

Schéma réseau :



Mission 1 - Installation et Infrastructure



Sur tous les serveurs :

- clé ssl
- dpkg-reconfigure tzdata
- vim /etc/profile.d/proxy.sh :
- # configuration proxy
- export http_proxy "http://10.121.38.1:8080"
- export https_proxy "http://10.121.38.1:8080"
- export no_proxy "127.0.0.1,localhost"

Mission 1 - Installation et Infrastructure



Sur le serveur de Production et de Test :

- `apt install qemu-guest-agent apache2 mariadb-server php adminer -y`
- `ln -s /usr/share/adminer/adminer /var/www/html/adminer` (uniquement sur ap34-test)
- Serveur de backup (MV Virtualbox)

Base de données :

```
mysql_secure_installation
```

```
mariadb> create database sdis;
```

```
mariadb> create user 'sio'@'%' identified by 'sio';
```

```
mariadb> GRANT ALL PRIVILEGES ON sdis.* TO 'sio'@'%';
```

Mission 2 - Supervision : Nagios



Qu'est ce que nagios ?

Un logiciel qui surveille les systèmes, les réseaux et l'infrastructure. Nagios offre des services de surveillance et d'alerte pour les serveurs, les commutateurs, les applications et les services

Installation nagios



Apt install nagios 4 sur ap34-mon

```
http://ap34-mon/nagios4/
```

```
nom d'utilisateur nagiosadmin
```


```
Mdp : A*****
```

```
Supervision sur les ap34-prod et ap34-test
```

```
On a créé les différents hosts qu'on va superviser
```

```
cd /etc/nagios4/objects# ls
```

```
ap34-prod.cfg  commands.cfg  es             gwsio2.cfg    localhost.cfg.save  px.cfg         switch.cfg     timeperiods.cfg
ap34-test.cfg  contacts.cfg  gwlab.cfg     localhost.cfg  printer.cfg         pxlab3.cfg     templates.cfg  windows.cfg
root@ap34-mon: /etc/nagios4/objects#
```



ap34-prod

ap34-prod.cfg

```
GNU nano 5.4                                ap34-prod.cfg
define host {
    use                linux-server           ; Name of host template to use
    host_name          ap34-prod
    alias              ap34-prod
    address            172.16.0.76
    parents            pmlab3
}
```

hostgroup



```
nano localhost.cfg
```

```
define hostgroup {  
    hostgroup_name    linux-servers        ; The name of the hostgroup  
    alias             Linux Servers        ; Long name of the group  
    members           localhost, ap34-prod, ap34-test, gwsio2, gwlab, pxlab3, px,      ; Comma separated list  
}
```

localhost.cfg



```
define service {
    use                local-service          ; Name of service template to use
    hostgroup_name     servers-web
    service_description HTTP
    check_command      check_http
    notifications_enabled 1
}

define service {
    use                generic-service ;Use generic-service template
    hostgroup_name     ap34           ; S'applique au groupe en question
    service_description check-lin-load ; Nom du service
    check_command      check lin load!public!--v2c!netsl!3,2,2!3,2,2 ; Command
```

Command.cfg

apt install-plugins-nagios
/etc/nagios4/objects#

nano commande.cfg

```
define command {
    command_name check_lin_load
    command_line $USER1$/check_snmp_load.pl -H $HOSTADDRESS$ -C $ARG1$ $ARG2$ -T $ARG3$ -w $ARG4$ -c $ARG5$
}

define command {
    command_name check_lin_mem
    command_line $USER1$/check_snmp_mem.pl -H $HOSTADDRESS$ -C $ARG1$ $ARG2$ -w $ARG3$ -c $ARG4$
}

define command {
    command_name check_dns_ext
    command_line $USER1$/check_dns -H 9.9.9.9 -s 10.121.38.7
}
```

Service

Nagios®

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Service Status Detail

Limit Results:

Host	Service	Status	Last Check	Duration
ap34-prod	HTTP	OK	11-16-2022 14:24:57	0d 0h 34m 30s
	PING	OK	11-16-2022 14:26:14	30d 2h 56m 33s
	SSH	OK	11-16-2022 14:27:45	30d 3h 29m 8s
	check-lin-load	OK	11-16-2022 14:29:14	27d 23h 5m 58s
	check-lin-mem	OK	11-16-2022 14:20:45	27d 23h 4m 59s
	check-snmp-int	OK	11-16-2022 14:24:57	27d 22h 55m 9s
	check-snmp-storage	OK	11-16-2022 14:26:27	27d 23h 6m 44s
	chk-dns-ext	OK	11-16-2022 14:27:57	28d 5h 54m 14s
ap34-test	HTTP	OK	11-16-2022 14:28:06	0d 1h 1m 21s
	PING	OK	11-16-2022 14:28:14	30d 2h 59m 0s
	SSH	OK	11-16-2022 14:25:10	27d 6h 52m 10s
	check-lin-load	OK	11-16-2022 14:26:40	27d 23h 3m 1s
	check-lin-mem	OK	11-16-2022 14:28:10	27d 23h 2m 2s
	check-snmp-int	OK	11-16-2022 14:19:40	27d 22h 54m 12s
	check-snmp-storage	OK	11-16-2022 14:21:10	27d 23h 1m 3s
	chk-dns-ext	OK	11-16-2022 14:25:22	28d 5h 53m 15s

<http://ap34-mon/nagios4/> -> services

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Limit Results:

Host	Service	Status	Last Check	Duration	Attempt	Status Information	
ap34-prod	HTTP	OK	11-16-2022 15:14:57	0d 1h 24m 7s	1/4	HTTP OK: HTTP/1.1 200 OK - 2645 bytes in 0.002 second response time	
	PING	OK	11-16-2022 15:16:14	30d 3h 46m 10s	1/4	PING OK - Packet loss = 0%, RTA = 0.35 ms	
	SSH	OK	11-16-2022 15:17:45	30d 4h 18m 45s	1/4	SSH OK - OpenSSH_8.4p1 Debian-5+deb11u1 (protocol 2.0)	
	check-lin-load	OK	11-16-2022 15:09:14	27d 23h 55m 35s	1/3	Load (CPUs: 1) : 0.02 0.01 0.00 : OK	
	check-lin-mem	OK	11-16-2022 15:10:45	27d 23h 54m 36s	1/3	Ram : 18%, Swap : 0% : : OK	
	check-snmp-int	OK	11-16-2022 15:14:57	27d 23h 44m 46s	1/3	Alarm in 5 seconds	
	check-snmp-storage	OK	11-16-2022 15:16:27	27d 23h 56m 21s	1/3	/: 13%used(1245MB/9913MB) (<80%) : OK	
ap34-test	chk-dns-ext	OK	11-16-2022 15:17:57	28d 8h 43m 51s	1/3	DNS OK: 0.022 seconds response time. 9.9.9.9 returns dns9.quad9.net.	
	HTTP	OK	11-16-2022 15:18:06	0d 1h 50m 58s	1/4	HTTP OK: HTTP/1.1 302 Found - 485 bytes in 0.001 second response time	
	PING	OK	11-16-2022 15:18:14	30d 3h 48m 37s	1/4	PING OK - Packet loss = 0%, RTA = 0.33 ms	
	SSH	OK	11-16-2022 15:15:10	27d 7h 41m 47s	1/4	SSH OK - OpenSSH_8.4p1 Debian-5+deb11u1 (protocol 2.0)	
	check-lin-load	OK	11-16-2022 15:16:40	27d 23h 52m 38s	1/3	Load (CPUs: 1) : 0.00 0.00 0.00 : OK	
	check-lin-mem	OK	11-16-2022 15:18:10	27d 23h 51m 39s	1/3	Ram : 19%, Swap : 0% : : OK	
	check-snmp-int	OK	11-16-2022 15:09:40	27d 23h 43m 46s	1/3	Alarm in 5 seconds	
gwfab	check-snmp-storage	OK	11-16-2022 15:11:10	27d 23h 50m 40s	1/3	/: 13%used(1313MB/9913MB) (<80%) : OK	
	chk-dns-ext	OK	11-16-2022 15:15:22	28d 8h 42m 52s	1/3	DNS OK: 0.021 seconds response time. 9.9.9.9 returns dns9.quad9.net.	
	PING	OK	11-16-2022 15:16:53	27d 23h 34m 2s	1/4	PING OK - Packet loss = 0%, RTA = 0.32 ms	
	SSH	OK	11-16-2022 15:18:14	27d 23h 32m 55s	1/4	SSH OK - OpenSSH_8.4p1 Debian-5+deb11u1 (protocol 2.0)	
	gwsio2	PING	OK	11-16-2022 15:18:14	7d 0h 25m 11s	1/4	PING OK - Packet loss = 0%, RTA = 0.51 ms
		SSH	OK	11-16-2022 15:18:14	7d 0h 26m 11s	1/4	SSH OK - OpenSSH_8.4p1 Debian-5+deb11u1 (protocol 2.0)
		Current Load	OK	11-16-2022 15:17:36	29d 5h 22m 39s	1/4	OK - load average: 0.00, 0.00, 0.00
localhost	Current Users	OK	11-16-2022 15:17:06	30d 3h 50m 34s	1/4	USERS OK - 1 users currently logged in	
	PING	OK	11-16-2022 15:18:14	30d 3h 55m 10s	1/4	PING OK - Packet loss = 0%, RTA = 0.03 ms	
	Root Partition	OK	11-16-2022 15:18:14	30d 3h 52m 19s	1/4	DISK OK - free space: / 8009 MB (84% inode=93%):	
	SSH	OK	11-16-2022 15:18:14	34d 23h 25m 12s	1/4	SSH OK - OpenSSH_8.4p1 Debian-5+deb11u1 (protocol 2.0)	
	Total Processes	OK	11-16-2022 15:14:06	30d 3h 52m 16s	1/4	PROCS OK: 34 processes with STATE = RSZDT	
	chk-dns-ext	OK	11-16-2022 15:17:18	28d 8h 41m 54s	1/3	DNS OK: 0.021 seconds response time. 9.9.9.9 returns dns9.quad9.net.	
	px	PING	OK	11-16-2022 15:15:16	0d 4h 53m 48s	1/4	PING OK - Packet loss = 0%, RTA = 0.48 ms
SSH		OK	11-16-2022 15:16:35	0d 4h 52m 29s	1/4	SSH OK - OpenSSH_8.4p1 Debian-5+deb11u1 (protocol 2.0)	
pxlab3	PING	OK	11-16-2022 15:18:14	30d 2h 47m 34s	1/4	PING OK - Packet loss = 0%, RTA = 0.45 ms	
	SSH	OK	11-16-2022 15:15:36	30d 2h 46m 14s	1/4	SSH OK - OpenSSH_8.4p1 Debian-5+deb11u1 (protocol 2.0)	
	chk-dns-ext	OK	11-16-2022 15:17:31	28d 8h 40m 55s	1/3	DNS OK: 0.021 seconds response time. 9.9.9.9 returns dns9.quad9.net.	

Mission 3 - Rsyslog



Sur le serveur ap34-mon :

```
vim /etc/rsyslog.conf
```

...

```
module(load="imudp")
```

```
input(type="imudp" port="514")
```

...

Mission 3 - Rsyslog



Script d'archivage des logs.

```
#!/bin/bash

DAT=$(date "+%d") # $DAT contient le No de jour de la semaine

# On cherche à déterminer le No de la semaine
if (( $DAT <= 7 )); then
    week="logs-week1.tgz"
elif (( $DAT > 7 && $DAT <= 14 )); then
    week="logs-week2.tgz"
elif (( $DAT > 14 && $DAT <= 21 )); then
    week="logs-week3.tgz"
elif (( $DAT > 21 && $DAT < 32 )); then
    week="logs-week4.tgz"
fi

# On compresse les logs dans une archive tar.gz et l'on remplace la latest par la dernière en date
tar -czvf /root/logs-backup/old/$week /var/log/*

cp /root/logs-backup/old/$week /root/logs-backup/latest.tgz
```

Mission 3 - Rsyslog



Sur les postes clients (ap34-prod, ap34-test):

```
vim /etc/systemd/journald.conf
```

...

```
ForwardToSyslog=yes
```

...

```
vim /etc/rsyslog.conf
```

...

```
*.* @172.16.0.70:514
```

...

Mission 4 - SSL et Backup de la Base de données

Certificat SSL auto-signé:

```
sudo a2enmod ssl
```

```
sudo systemctl restart apache2
```

```
sudo openssl req -x509 -nodes -days 365 -newkey rsa:2048 -keyout /etc/ssl/private/apache-selfsigned.key -out /etc/ssl/certs/apache-selfsigned.crt
```

```
Country Name (2 letter code) [AU]:FR
State or Province Name (full name) [Some-State]:Bourgogne-Franche-Comté
Locality Name (eg, city) []:Dijon
Organization Name (eg, company) [Internet Widgits Pty Ltd]:SDIS29
Organizational Unit Name (eg, section) []:
Common Name (e.g. server FQDN or YOUR name) []:ap34
Email Address []:ap34@localhost
```

Mission 4 - SSL et Backup de la Base de donn e

001-default-ssl.conf :

vim /etc/apache2/sites-available/001-default-ssl.conf

```
<VirtualHost *:443>

    ServerName 172.16.0.61
    DocumentRoot /var/www/html

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined

    SSLEngine on
    SSLCertificateFile /etc/ssl/certs/apache-selfsigned.crt
    SSLCertificateKeyFile /etc/ssl/private/apache-selfsigned.key

</VirtualHost>
```

sudo a2ensite 001-default-ssl.conf

sudo systemctl reload apache2

Mission 4 - SSL et Backup de la Base de données

000-default.conf:

```
vim /etc/apache2/sites-available/000-default.conf
```

```
<VirtualHost *:80>
    ServerName ap34-test
    Redirect / https://ap34-test/

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```

```
sudo systemctl reload apache2
```

Mission 4 - SSL et Backup de la Base de donn 

Script de backup de la base de donn  :

```
#!/bin/bash
DAT=$(date +%u)
ssh root@ap34-test "mysqldump -u root --password=root -B sdis" | gzip > /root/backup-sdis/old/sdis-
$DAT.sql.gz
cp /root/backup-sdis/old/sdis-$DAT.sql.gz /root/backup-sdis/sdis.latest.gz
```

Script de restauration de la base de donn  :

```
#!/bin/bash
zcat /root/backup-sdis/sdis.latest.gz | ssh root@ap34-test "mysql -u sio --password=sio -B sdis"
```