



## **Project 2 - Firewalls**

### **INTRODUCTION TO COMPUTER SECURITY**

---

**Floriane Magera** (S111295)  
**Fabrice Servais** (S111093)

March 27, 2015

## 1 Zones

Zone	Elements
1	web
2	SMTP
3	I2
4	PDNS
5	DHCP_R2, U2
6	DHCP, SSH, HTTP, LDNS
7	RSYNC
8	DHCP_R1, I1, U1
9	Internet

Table 1: List of the zones and their components

## 2 Rules

Zone	Number	Source	Port	Dest	Port	Protocol	Action	Comments
<b>Zone 4 : Incoming rules</b>								
4	1	Any	Any	172.14.5.3	53	UDP	Allow	DNS requests from anywhere
4	2	Any	Any	172.14.5.3	Any	Any	Deny	Not a DNS request
<b>Zone 4 : Outgoing rules</b>								
4	4	172.14.5.3	Any	Any	Any	Any	Deny	Not a DNS reply
<b>Zone 1 : Incoming rules</b>								
4	5	Any	Any	172.14.6.3	80	TCP	Allow	HTTP web server
4	6	Any	Any	172.14.6.3	443	TCP	Allow	HTTPS web server
4	7	Any	Any	172.14.6.3	21	TCP	Allow	FTP (command port + data in pass
4	8	Any	Any	172.14.6.3	Any	Any	Deny	Rejects other
<b>Zone 1 : Outgoing rules</b>								
4		172.14.6.3	20	Any	Any	TCP	Allow	FTP data (reply)
4		172.14.6.3	Any	Any	Any	Any	Deny	Rejects other
<b>Zone 9 : Incoming rules</b>								

Table 2: Firewall 1

Zone	Number	Source	Port	Dest	Port	Protocol	Action	Comments
<b>Zone 3 : Incoming rules</b>								
3		172.14.5.2 (FW2)	Any (22???)	172.16.4.2	22	TCP	Allow	SSH
<b>Zone 3 : Outgoing rules</b>								
<b>Zone 2 : Incoming rules</b>								
<b>Zone 2 : Outgoing rules</b>								
<b>Zone 1 : Incoming rules</b>								

Table 3: Firewall 3