Université
de Liège

Project 2 - Firewalls
Introduction to Computer Security

Floriane Magera (S111295)
Fabrice Servais (S111093)

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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
Zone 4 : Incoming rules								
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
Zone 4 : Outgoing rules								
4	4	172.14.5.3	Any	Any	Any	Any	Deny	Not a DNS reply
Zone 1 : Incoming rules								
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
Zone 1 : Outgoing rules								
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
Zone 9 : Incoming rules								

Table 2: Firewall 1

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

Table 3: Firewall 3

Zone	Number	Source	Port	Dest	Port	Protocol	Action	Comments
Zone 7 : Incoming rules								
7	1	172.16.7.3	22	172.16.9.2	873	TCP	Allow	SSH
7	2	172.16.8.0	Any	172.16.9.2	873	TCP	Allow	
7	3	Any	Any	Any	Any	Any	Deny	
Zone 8 : Incoming rules								
8	1	172.16.7.3	22	172.16.8.0	22	TCP	Allow	SSH
8	2	172.16.6.1	3009	172.16.8.3...	Any	TCP	Allow	FTP
8	3	Any	Any	Any	Any	Any	Deny	
Zone 8 : Outgoing rules								
8	1	172.16.8.2	68	172.16.7.2	67	DHCP	Allow	
8	2	172.16.8.3...	80	172.16.7.4	Any	TCP	Allow	HTTP
8	3	172.16.8.3...	443	172.16.7.4	Any	TCP	Allow	HTTPS
8	4	172.16.8.3...	22	172.16.7.3	Any	TCP	Allow	SSH
8	5	172.16.8.3...	873	172.16.9.2	Any	TCP	Allow	RSYNC
8	6	172.16.8.3...	53	172.16.7.5	Any	TCP	Allow	DNS (local)
8	7	172.16.8.3...	80	172.14.6.3	Any	TCP	Allow	HTTP
8	8	172.16.8.3...	443	172.14.6.3	Any	TCP	Allow	HTTPS
8	9	172.16.8.3...	Any	172.14.6.3	20	TCP	Allow	FTP
8	10	Any	Any	Any	Any	Any	Deny	
Zone 6 : Incoming rules								
7	1	172.16.7.3	22	172.16.9.2	873	TCP	Allow	SSH
7	2	172.16.8.0	Any	172.16.9.2	873	TCP	Allow	
7	3	Any	Any	Any	Any	Any	Deny	
Zone 2 : Outgoing rules								
Zone 1 : Incoming rules								

Table 4: Firewall 3