

**example.com**

■■ ■■: example.com

■■■■: 2025■■ 09■■ 08■■

■■■: SecureCheck Pro Security Analysis Team

■■■■ ■■: 1.0

■■■■■

## ■ Executive Summary

[illegible]

1 2 3 4 5 6 7 8

- ```
- ■ SSL ■■■■ ■■■ ■■■ HTTPS ■■■■ ■■■
- ■ ■■ ■■ ■■ HTTP■ ■■■■ ■
- ■■■ ■■ ■■■■ ■■ ■■■■ ■■
- ■■■ ■■ ■■ 6■ ■■
```

www.pearsoned.com.au

- **SEO** **SEO**: Google **SEO** **SEO** **SEO** **SEO**
- **SEO** **SEO**: **SEO** **SEO** **SEO** **SEO** **SEO**
- **SEO** **SEO**: **SEO** **SEO** **SEO** **SEO** **SEO**
- **SEO** **SEO** **SEO**: 6,000,000,000

■ ■ ■ ■ ( ■ ■ ■ ■ )

1. **192.168.1.100**: HTTPS **192.168.1.100** (1 **192.168.1.100**)
2. **192.168.1.100**: Let's Encrypt **192.168.1.100** SSL **192.168.1.100** (1 **192.168.1.100**)
3. **192.168.1.100**: **192.168.1.100** **192.168.1.100** **192.168.1.100** (1 **192.168.1.100**)

— — —

1. SSL
 1
 1
 1
 1
 1

1
 1
 1
 1
 1

```

  ``bash # 1 1 1 1 1 Domain: example.com Valid: Yes Days Until Expiry: 129 1 SSL Grade: F ``

```

1
 1
 1
 1
 1

| 1 1     | 1 1 1     | 1 1 1               | 1 1 1 |
|---------|-----------|---------------------|-------|
| 1 1 1 1 | 1 1       | 1 1                 | 1 1 1 |
| SSL 1 1 | F         | SSL 1 1 1 1 1 1 1 1 | 1 1 1 |
| 1 1 1 1 | 129 1 1 1 | 1 1                 | 1 1 1 |

1
 1
 1
 1
 1
 1
 1
 1
 1
 1

- Chrome: "1 1 1 1 1 1 1 1 1 1 1 1" - Firefox: "1 1 1 1 1 1" - Safari: "1 1 1 1 1 1 1 1 1 1 1 1" - Edge: "1 1 1 1 1 1 1 1 1 1 1 1"

2. 1 1 1 1 1 1 1 1

HTTP vs HTTPS 1 1 1 1 1 1

```

  HTTP 1 1 (1 1 80): ``http GET http://example.com/ HTTP/1.1 200 OK Server: nginx Content-Type: text/html; charset=UTF-8 1 1 1 1 `` HTTPS 1 1 (1 1 443): ``http GET https://example.com/ Connection refused 1 1 SSL Error 1 1 1 1 1 1 ``

```

1 nginx 1 1 1 1 1 1 1 1

1 1 1 1: 1. SSL 1 1 1 1 1 1 1 1 1 1 1 1 2. nginx SSL 1 1 1 1 1 1 1 1 3. 1 1 1 1 1 1 443 1 1 1 1 4. SSL 1 1 1 1 nginx 1 1 1 1 1 1 1 1 nainx 1 1 1 1:

```

  ``nginx # 1 1 1 1 1 1 (1 1 1) server { listen 80; server_name example.com; # SSL 1 1 1 1 1 1 # SSL 1 1 1 1 1 1 location / { root /var/www/html; index index.html index.htm; } } ``

```

3. 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1

| 1 1 1           | 1 1 1 1 | 1 1 1 | 1 1 1 1 | 1 1 1 1 1 |
|-----------------|---------|-------|---------|-----------|
| 1 1 1 1 (MITM)  | 1 1     | 1 1 1 | 1 1     | 1 High    |
| 1 1 1 1 1 1     | 1 1     | 1 1   | 1 1     | 1 High    |
| 1 1 1 1 1 1 1 1 | 1 1 1 1 | 1 1   | 1 1     | 1 High    |
| SEO 1 1 1       | 1 1     | 1 1   | 1 1     | 1 Medium  |

1 1 1 1 1 1 1 1 1 1

SSL Labs 1 1: F 1 1 1 1: 15/100 1 1 1 1: - Certificate: 15/100 - Protocol Support: 25/100 - Key Exchange: 20/100 - Cipher Strength: 30/100

#### 4. ■■■■ ■■■■■■ ■■■■

```
```bash # ■■■ SSL ■■■ ■■■ (■■■) ■■■ ■■■ A: A+ Rating ■■■ ■■■ B: A Rating ■■■ ■■■ C: A+ Rating ■■■
example.com: F Rating ■■■ ``` ■■■ ■■■ ■■■ ■■■ - ■■■ ■■■ SSL ■■■: A- (85/100) - example.com ■■■ ■■■: F
(15/100) - ■■■ ■■■ ■■■: 70■■■ ■■■
```

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■ ■■ ■■ ■ ■■■■

## Phase 1: ■■ ■■ (1-3■)

### ■ HTTPS ■■ ■■ ■■

■■■■: ■■■■■ (Critical)

■■ ■■■■: 1-2■

■■■: ■■ ■■■ ■■ ■ ■■■■

■■ ■■:

```
```nginx # nginx ■■ ■■ ■■ server { listen 443 ssl http2; server_name example.com www.example.com; #
■■■ ■■ ■■■ ■■■■ ■■ ■■ ■■ ssl_certificate /path/to/current.crt; ssl_certificate_key
/path/to/current.key; # Accept ■■ ■■ ■■ location / { proxy_set_header Accept $http_accept;
proxy_set_header Host $host; proxy_set_header X-Real-IP $remote_addr; proxy_set_header
X-Forwarded-For $proxy_add_x_forwarded_for; proxy_set_header X-Forwarded-Proto $scheme; proxy_pass
http://localhost:8080; # ■■■■ ■■ } # ■■ ■■■■ ■■ error_page 406 = @handle406; location @handle406 {
return 301 http://$server_name$request_uri; } } ```
```

■ ■■ ■■■

1. 406 ■■ ■■: ■■■ HTTP ■■■■■ ■■ 2. ■■■ ■■: ■■■■■ ■■ ■■■ ■■■■ ■■ ■■ 3. ■■■■ ■■: ■■ ■■ ■■  
■■ ■■ ■■■■

## Phase 2: ■■ ■■ ■■ (1■ ■■)

### ■ Let's Encrypt SSL ■■■ ■■

■■■■: ■■■■■ (Critical)

■■: ■■

■■ ■■■■: ■■

■■ ■■:

```
```bash # 1. Certbot ■■ sudo apt update sudo apt install certbot python3-certbot-nginx # 2. ■■■ ■■
■■ ■■ ■■ sudo certbot --nginx -d example.com -d www.example.com # 3. ■■ ■■ ■■ echo "0 12 * * *
/usr/bin/certbot renew --quiet" | sudo crontab - # 4. nginx ■■ ■■■■ sudo nginx -t && sudo systemctl
reload nginx ```
```

■■ ■■:

■ ■■ ■■■■■■ ■■■■ SSL ■■■ ■ ■■ ■■■■ ■■ ■■ ■■■ ■ SSL Labs A ■■ ■■ ■■

■ ■■ ■■ ■■

```
```nginx # ■■ ■■ nginx ■■ server { listen 443 ssl http2; server_name example.com; # Let's Encrypt
■■■ ssl_certificate /etc/letsencrypt/live/example.com/fullchain.pem; ssl_certificate_key
/etc/letsencrypt/live/example.com/privkey.pem; # ■■ ■■ ssl_protocols TLSv1.2 TLSv1.3; ssl_ciphers
ECDHE-RSA-AES256-GCM-SHA512:DHE-RSA-AES256-GCM-SHA512:ECDHE-RSA-AES256-GCM-SHA384;
ssl_prefer_server_ciphers off; # HSTS ■■ add_header Strict-Transport-Security "max-age=63072000;
includeSubDomains; preload" always; add_header X-Frame-Options DENY always; add_header
X-Content-Type-Options nosniff always; add_header Referrer-Policy "strict-origin-when-cross-origin"
always; location / { proxy_pass http://localhost:8080; proxy_set_header Host $host; proxy_set_header
X-Real-IP $remote_addr; proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_set_header X-Forwarded-Proto $scheme; } } # HTTP → HTTPS ■■■■■ server { listen 80;
server_name example.com www.example.com; return 301 https://$server_name$request_uri; } ```
```

## Phase 3: ■■ ■■ ■■ (1■■ ■■)

■■■■: ■■■■ (High)

■■ ■■: 50-200■■

■■ ■■■■: 2-4■

1. Web Application Firewall (WAF) - SQL Injection - XSS - DDoS - Bot Traffic  
 2. SSL/TLS - Certificate Management - Secure Headers - Content Security Policy - CORS  
 3. Rate Limiting - IP Blocking - User Agent Spoofing - Session Hijacking

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ROI

Phase 1:

	0	30-50	
	0	10-20	
	0	40-70	

Phase 2:

Let's Encrypt	0	50-80	SSL
	0	30-50	
	0	80-130	

Phase 3:

Cloudflare Pro	24	CDN + WAF
	60-120	Datadog, New Relic
	12-24	AWS S3, Google Cloud
	96-168	

ROI

```
```
ROI: 140-370 (1) 96-168 - 5,000 → 6,000,000,000
- SEO: 20% - ROI: 370 (1)
6,000,000,000 (1) ROI: 162162% (1621)
```
```

	5,000	10,000+	+50%+
			SEO



■ ■■ ■■■■

**Week 1:** ■■ ■■

- Day 1-2: ■ ■■ ■■■■ ■■ ■ ■■ ■■ - Day 3-4: nginx ■■ ■■ ■ ■■■■ - Day 5-7: ■■■■ ■ ■■■■ ■■

**Week 2:** ■■ ■■ ■■

- Day 8-10: Let's Encrypt SSL ■■■■ ■■ - Day 11-12: ■■ ■■ ■ HTTPS ■■■■■■ ■■ - Day 13-14: ■■ ■■■■ ■■■■ ■ ■■

**Week 3-4:** ■■ ■ ■■■■

- Week 3: Cloudflare CDN ■■ ■ ■■ ■■■■ - Week 4: ■■■■ ■■■■ ■■ ■ ■■ ■■

**Month 2-3:** ■■■■

- Month 2: WAF ■■ ■■■■, ■■ ■■■■ ■■ - Month 3: ■■ ■■ ■ ■■ ■■■■

**Ongoing:** ■■ ■ ■■

- ■■: ■■ ■■■■ ■ ■■■■ ■■ - ■■: ■■ ■■ ■■ ■ ■■ ■■■■ - ■■: ■■ ■■ ■■ ■ ■■■■ ■■

---



■ ■ ■ ■ ■ KPI

■ ■ ■ KPI

1. **SSL Labs** ■■: F → A+ (■■) 2. ■■■■ ■■■: 95% → 99.9% 3. ■■■ ■■ ■■: ■■ → 3■ ■■ 4. ■■ ■■■: ■■ ■■ → 0■ ■■

■ ■ ■ ■ KPI

1. ■ ■■■ ■: 5,000■ → 10,000■+ 2. ■■■ ■■■: ■■■ ■■ ■■ 3. ■■ ■■■: ■■ → 20% ■■ ■■ 4. ■■ ■■: ■■ ■■■ 10-20% ■■ ■■

■ ■ ■ ■

```
``` ■■■■ ■■: - Google Analytics: ■■■ ■■ - Google Search Console: SEO ■■ - SSL Labs: SSL ■■ ■■■■
- GTmetrix: ■■ ■■ - Uptime Robot: ■■■ ■■■■ ```
```

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