google.com

```
: google.com
: 2025 09 08
: SecureCheck Pro Security Analysis Team
: 1.0
```

Executive Summary

1. SSL

```
```bash # ■■■ Domain: google.com Valid: Yes Days Until Expiry: 62 SSL Grade: F ```
```

SSL	F	SSL	
	62		

```
- Chrome: " " - Firefox: " " - Safari: " " - Edge: "
```

#### 2.

#### HTTP vs HTTPS

#### nginx

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

nainx :

```
```nginx # IIII III (III) server { listen 80; server_name google.com; # SSL IIII III # SSL III III III | SSL III | SSL
```

3.

(MITM)		High
		High
		High
SEO		Medium

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

4.

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

```
Phase 1: (1-3)
 HTTPS
: (Critical)
 : 1-2
 ############################# ssl_certificate /path/to/current.crt; ssl_certificate_key
 /path/to/current.key; # Accept III III III III III | proxy_set_header Accept | header Accept; proxy_set_header Host | proxy_set_header X-Real-IP | 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 google.com -d www.google.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
```

```
"Inginx #  nginx  server { listen 443 ssl http2; server_name google.com; # Let's Encrypt  ssl_certificate /etc/letsencrypt/live/google.com/fullchain.pem; ssl_certificate_key /etc/letsencrypt/live/google.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 \to HTTPS  server_name $request_uri; } \) ""
```

Phase 3: (1)

: (High) : 50-200 : 2-4 :1. (WAF) - SQL - XSS - DDoS - 2. - - SSL - - 3. - - -

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

| 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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