# Sizing Guide for forward proxy scenarios
**McAfee Web Gateway version 7.) .2 appliances**

This document illustrates a subset of the configuration and sizing options for McAfee Web Gateway. If detailed technical sizing is required, please contact your Intel Security channel sales engineer or representative. This document will be updated for Main releases of McAfee Web Gateway only.

| Appliance | Capacity | | | | | | Hardware Specification | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model # | Max. Internet Bandwidth (Mbps)[1] | | Web Traffic (Requests per sec)[1] | | Employee Count[1] | | CPU x Cores / Threads | Memory (GB) | Storage (GB) | Web Cache (GB) | Network Interfaces | Rack Space | Power[2] | Remote Management |
| WBG-4500-C | 80 | 25 | 1000 | 310 | 10000 | 3100 | 1 x 2 / 4 | 32 | 2 x 500 (RAID 1) | 203 | 4 x 1 GbE | 1 U | S | RMM4 |
| WBG-5000-C | 130 | 40 | 1600 | 500 | 16000 | 5000 | 1 x 6 / 12 | 96 | 2 x 600 (RAID 1) | 248 | 4 x 1 GbE | 1 U | R | RMM4 |
| WBG-5500-C | 410 | 190 | 5000 | 2300 | 50000 | 23000 | 2 x 10 / 40 | 128 | 6 x 300 (RAID 10) | 383 | 4 x 1 GbE | 1 U | R | RMM4 |

The sizing data shown implies an appliance running at 60% of its maximum capacity and SSL scanning enabled at 10%. The anti-malware configuration is set to Layered Coverage, combining the strengths of the Gateway Anti-Malware engine with the value added by the third-party Avira engine.

Intel Security's preferred value for sizing McAfee Web Gateway is the number of requests per second, which takes both network traffic (up to Layer 4) and the application load (Layer 7) into consideration. This is important as Web Gateway operates at Layer 7 and is not just looking at data packets. **The number of requests per second can usually be obtained from an existing proxy solution**. If no existing proxy solution or other technology is available to supply this data, the bandwidth for web protocols can usually be obtained from a firewall or router. When using bandwidth for sizing, it is only necessary to take related traffic into consideration, not the overall bandwidth of the external connection.

Calculations based on the number of users can vary considerably between different organizations. For example, the volume or request rate of an e-commerce company with 1000 users is likely to differ from that of a retail chain company with the same number of employees. McAfee Web Gateway appliances are licensed based on the number of users. Please use the quoting handbook or contact your Intel Security representative for a definition of users or which SKU should be used.

McAfee Web Gateway does not require specialized standalone policy management instances, as Central Management is a built-in function of the product. This also applies to anti-malware, data loss protection (DLP), and URL filtering.

VMware performance is not factored into this sizing information. VMware deployments may experience up to 40% decrease in performance as this strongly depends on the amount of assigned resources and many other factors. For example, a virtual WBG 5500-C with URL Filter and Anti-Malware enabled might only serve 1700 req/sec x 0.6 = 1020 req/sec or 140 Mbps x 0.6 = 84 Mbps. Contact your Intel Security channel sales engineer or representative for VMware-based sizing.

[1] URL Filter only     URL Filter + Anti-Malware

[2] S = single, R = redundant

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