



McAfee Web Gateway version 6.8.4

Memory Upgrades on McAfee Web Gateway Appliances

This document provides information about upgrading memory on McAfee Web Gateway (*formerly Webwasher*) high-end appliances running version 6.8.4 of the McAfee Web Gateway appliance software when planning to configure these appliances in multi-process mode.

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Increased memory requirements

With version 6.8.4 of McAfee Web Gateway, multi-process configuration was introduced for the McAfee Web Gateway high-end appliances as a new option to improve overall performance of these appliances.

This new option is best used with 8 GB RAM, however, the current models of the high-end appliance hardware ship with only 4 GB RAM or less. So if you want to make use of the new option, it is recommended that you add memory to your appliance.

The following models are here referred to as high-end appliances:

- **McAfee Web Gateway 1900 A, B, C, D**
- **McAfee Web Gateway 2900 all**

Each of these models provides 8 DIMM slots, which are currently occupied as follows:

- **McAfee Web Gateway 1900 A** — 2 GB memory (4 x 512 KB, 667 MHz), Single Rank, four open DIMM slots
- **McAfee Web Gateway 1900 B** — 4 GB memory (8 x 512 KB, 667 MHz), Single Rank, all DIMM slots occupied
- **McAfee Web Gateway 1900 C/D** — 4 GB memory (4 x 1 MB, 667 MHz), Dual or Single Rank, four open DIMM slots
- **McAfee Web Gateway 2900 all** — 4 GB memory (4 x 1 MB, 667 MHz), Dual or Single Rank, four open DIMM slots

For the McAfee Web Gateway 1900 A and B models, it is recommended that you remove the existing 512 KB memory modules and insert new modules instead to reach the total of 8 GB RAM.

For the 1900 C and D models, as well as for all 2900 models, insert additional modules in the free slots to reach the total of 8 GB RAM.

Note: Best performance is achieved when four or all eight DIMM slots are occupied. Therefore you should insert modules as follows when upgrading: 8 x 1 GB or 4 x 2 GB, or 4 x 1 GB, respectively.

Buying additional memory modules

To add memory to your appliance, it is important that you buy only Dell-certified memory modules, which can be obtained from the Dell online store. Proceed as follows:

- 1 Go to <http://www.dell.com>
- 2 In the top menu bar of the page then appearing, move your mouse pointer over **For Large Enterprise**, and from the drop-down list that is then displayed, select **Servers, Storage and Networking**.
- 3 In the navigation area on the left side of the page then appearing, select **Parts & Upgrades for Dell**.
- 4 On the page then appearing, select **Memory Selector**.
- 5 From the vendor list on the page then appearing, select **Dell**, and on the subsequent page, select **PowerEdge Servers**.
- 6 To buy memory modules for any version of the McAfee Web Gateway 1900 appliance model, select **PowerEdge 1950** from the list of models on the page then appearing. For McAfee Web Gateway 2900, select **PowerEdge 2950**.
- 7 On the page then appearing, choose the modules required for upgrading memory on your appliance, and complete the purchasing procedure in the usual way.

Looking up information on memory installation

Information on how to install memory modules on your appliance box can be found in an online manual provided by Dell:

- 1 Go to <http://www.dell.com>
- 2 From the **Support** menu at the bottom of the page then appearing, select **Product Support**.
- 3 On the page then appearing, select **Select Model**, and from the menus then provided, select **Servers, Storage, Networking**, then **PowerEdge Server**, and finally **1950** or **2950**.
- 4 Confirm your selection by clicking **Confirm**.
- 5 On the page then appearing, select **Manuals**.
- 6 On the **Manuals** page, select your preferred language and then the HTML or PDF version of the *Hardware Owner's Manual*.
- 7 When the manual has opened, go to the *Installing System Components* chapter and within this to the *System Memory* section to view the relevant information.

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