

Read Before Installing HP WebWise MPE/iX Secure Web Server

HP 3000 MPE/iX Computer Systems

Edition 1



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Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304 U.S.A.

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Read Me First Before Installing HP WebWise MPE/iX Secure Web Server

The HP WebWise MPE/iX Secure Web Server provides a full set of capabilities based on the Apache web server and `mod_ssl`. A few of these features are dependent on improvements to MPE/iX that are in the process of being tested, and which are being released as patches in the same timeframe as HP WebWise MPE/iX Secure Web Server itself. Information on these patches is given below. Also documented here is each feature that is dependent on one or more of these patches, and what workaround or alternative is available to you until you have obtained and installed the needed patch(es):

- Patch **MPELX36A** enhances MPE/iX 6.0 to allow any user with SM capability to use the POSIX `kill` command or `kill()` function to kill any non-system process on the machine. Without patch **MPELX36A**, you must log on as **MGR.APACHE** in order to be able to use the `kill` command to perform an orderly server shutdown. Once you install this patch on MPE/iX 6.0, or if you are using MPE/iX 6.5 where this functionality already exists, you may alternatively log on as **MANAGER.SYS** or any other SM user in order to perform an orderly server shutdown.
- Patch **MPELX51A** enhances MPE/iX 6.0 and patch **MPELX51B** enhances MPE/iX 6.5 to allow any user with AM capability to kill any process with the same POSIX group ID (GID). Without these patches, HP WebWise MPE/iX Secure Web Server is affected in the following ways:
 - The `kill -HUP` and `kill -USR1` methods of restarting HP WebWise MPE/iX Secure Web Server will behave unpredictably and very undesirably. Workaround: stop the JHTTPDS job with a default `kill` command of

```
kill `cat APACHE/SECURE/logs/httpd.pid`
```

and then re-stream the JHTTPDS job. Once you install patch MPELX51, then you can use `kill -HUP` or `kill -USR1` to restart the server without re-streaming the JHTTPDS job.
 - The **MaxSpareServers** configuration directive is unable to limit the number of idle server child processes. Workaround: control the hard limit on child processes with the **MaxClients** configuration directive. Once you install patch MPELX51, then the **MaxSpareServers** directive will work properly.

- Patch **MPELX44A** for MPE/iX 6.0 and patch **MPELX44B** for MPE/iX 6.5 fix a bug in the **HPGETPROCPLABEL** intrinsic that prevents the loading of data items containing function pointers. Without these patches, HP WebWise MPE/iX Secure Web Server is unable to load DSO modules, and any such attempt will cause the JHTTPDS job to terminate prematurely. Workaround: include a dummy `mpe_dl_stub()` function in your DSO module; the `mpe_dl_stub` function will be loaded by name, but not actually executed. Once you install patch **MPELX44**, the server will be able to load your DSOs without the `mpe_dl_stub()` workaround.

For further system requirements and installation information, please see the HP WebWise MPE/iX Secure Web Server chapter in the *Configuring and Managing MPE/iX Internet Services* manual (P/N 32650-90897). If you ordered this product on DDS media, the manual is supplied in hardcopy form. If you ordered this product on CDROM media, the manual is supplied in electronic form on the CDROM in the file

`\HP_WebWise\MPE_iX_Secure_Web_Server\Documentation\32650-90897.pdf`.