



OPTA – Low Pin Optimizer

Reduces System Low Pin Process creation failures.

OPTA-LowPin Optimizer reduces System Low Pin Process creation failures by efficiently re-directing and balancing Low Pin Process Creation requests across all CPUs.

Earlier versions of HP NonStop-series operating systems only supported 256 concurrent processes per CPU. Newer HP Nonstop systems execute instructions much faster and are capable of supporting up to 65,534 concurrent processes per CPU.

Applications written for earlier version of the HP Nonstop operating system continue to run on the newer HP NonStop systems, with no modifications. However, these applications can only run as a Low Pin process (process identification number, (PIN) that ranges from 0 through 254).

Low Pin Problems;

- Low Pins are a very limited and expensive resource.
 - Only 255 Low Pins available per CPU.
 - Low Pins are used by HP Nonstop system, customer and third-party applications.
 - Additional CPUs are purchased to support Low Pin processing requirements.
- Low Pin CPU resources are not used efficiently.
 - Low Pin Process Creation failures can occur in one CPU, while other CPUs have Low Pin resources available.
- Low Pin Process Creation failures are disruptive.
 - When Low Pin Process Creation failures occur in one CPU, application environments are re-configured manually to re-start in other CPUs, where Low Pin resources are available.

Low Pin Solution with OPTA-LowPin Optimizer.

With OPTA-LowPin Optimizer, all System Low Pin resources are used efficiently by automatically redirecting Low Pin Process Creation failures to a CPU with available Low Pin resources.

OPTA-LowPin Optimizer;

- Reduces Low Pin Process Creation failures.
- Supports HP System, Customer and third-party Low Pin processes.
- Requires NO application changes and is easy to install and use.
- Monitors HP NonStop System Low Pin activity per CPU.
- Supports TNS, TNS/R and TNS/E Native and Non-Native processes (program file codes 100, 700 and 800).
- Supports HP Nonstop Utilities – TACL, FUP, Pathway, etc.
- Certified for HP Integrity Nonstop Servers.

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