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HITACHI エンタープライズサーバ EP8000 シリーズ マシンコード更新手順

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EP8000 650 model 6M2 ファームウェア変更内容と来歴

3K070425	<p><u>IMPACT:</u> Serviceability <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • A problem was fixed that caused a failure with error code 20EE000B when upgrading to later AIX versions with large boot images.
3K061030	<p><u>IMPACT:</u> Serviceability <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • A problem was fixed that caused the ring indicate power-on function (in the service processor menus) to power on the system even though it was set to "disabled". • A problem was fixed that caused the system to hang at E52A when rebooted after SRC B1274634 ("SPCN loop fault") was reported.
3K060917	<p><u>IMPACT:</u> Serviceability <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • A problem was fixed that was causing the calls to system firmware to set the time-of-day clock to take too long and prevent interrupts on single processor systems. This can cause adapter errors due to overruns which may result in hangs or retries depending on the adapters and system activity.
3K060626	<p><u>IMPACT:</u> Serviceability <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • A problem was fixed that was causing enhanced error handling (EEH) error codes to be erroneously generated when certain adapter card configurations were heavily stressed by the application code. • A problem was fixed that was causing the system to crash when error data was retrieved.
3K060109	<p><u>IMPACT:</u> Serviceability <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • Fixed a problem that was causing the AIX logical location codes of the Ethernet ports to be incorrect when several types of multi-port Ethernet adapter cards were replaced using the PCI hot-plug function.
3K051101	<p><u>IMPACT:</u> Serviceability <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • The firmware was changed so that the time-out for firmware console selection is 60 seconds no matter how many devices are attached to the system or partition. • Changes were made in the yellow button reset firmware path (in the service processor code) so that only licensed and configured processors are reset, instead of all processors, in full system partition mode. This enables the system to perform a dump when it has a mix of licensed

	<p>and unlicensed processors.</p> <ul style="list-style-type: none"> • Firmware was updated to fix intermittent failures of the AIX command "shutdown -t" to power on.
3K050715	<p><u>IMPACT:</u> Serviceability <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • Fixes a problem that causes the system to crash when AIX tries a reset on a slot which is already in the reset state. • Added support for address request protocol (ARP). • A problem was fixed that was causing the firmware to report an error on an I/O slot when no I/O adapter card was present. • An invalid error code callout for clock errors was fixed.
3K050629	<p><u>IMPACT:</u> Serviceability <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • Corrects system Time of Day gains observed after reboot. • A problem was fixed that was causing the PCI bus to report an error when a PCI adapter with a bridge on it was hot-plugged.
3K050405	<p><u>IMPACT:</u> Serviceability <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • Improved isolation for Remote I/O (RIO) loop failures.
3K050202	<p><u>IMPACT:</u> Function <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • Change made to collect hypervisor dump as part of snap command. • Change made to mask interrupts for a specific slot if a problem is encountered with and I/O adapter. • Resolves a problem that prevented the hard reset of a partition from working every time. • Corrects a problem that caused incorrect tracking of CUoD activation time. • Corrects a problem that resulted in ON/OFF CUoD processors suddenly being deactivated. • Resolves the problem that caused informational firmware events (B1008FF0) to be posted after an ON/OFF event. • Resolves an issue with the firmware reset handler in order to prevent an LPAR hang condition.
3K041029	<p><u>IMPACT:</u> Function <u>SEVERITY:</u> Special Attention</p> <ul style="list-style-type: none"> • Added support for network boot when target server provides preferred gateway information in bootp reply. • Added support for PCI adapters that require additional memory I/O space (Future OEM vendor requirement). • Corrects network boot problems with IBM Gigabit Ethernet adapters (FC 2969).

	<ul style="list-style-type: none"> • Resolves issue where On/Off CUoD reclaims more processors than it should if system is allowed to go out of compliance. • Resolves issue where On/Off CUoD posts change event messages when ON/OFF resources are no longer in use.
3K041021	<ul style="list-style-type: none"> • Resolves issue of excessive length of time required to collect AIX dump for partitions with Service Authority assigned. • Corrects potential cause for system hang with error 40670EA1 on systems with Linux Operating System. • Corrects loss of one hour of resource time when activating On/Off CUoD resources.
3K040602	<p><u>IMPACT:</u> NA <u>SEVERITY:</u> NA</p> <ul style="list-style-type: none"> • Added dynamic link recovery for Remote I/O loops in single I/O drawer per loop environments. • Prevents information checkpoints E900 and E901 from being displayed on operator panel during runtime for extended periods. • Increased HMC surveillance timeout value to prevent false loss of communication errors.
3K040323	<ul style="list-style-type: none"> • Added support for AIX 5.3. • Added support for system boot from devices containing boot images larger than 12MB. Must be used in conjunction with AIX 5.1 APAR IY57522 or AIX 5.2 APAR IY56839. To create a boot image larger than 12MB, you must first apply the appropriate APAR. The firmware must be at 3K040323 (or later) before the image can be restored. • Added support for new or replacement CPU cards manufactured after March 2004. • Improved isolation for Remote I/O (RIO) loop failures. • Corrects SCAN_ERROR_CHRP error log entries with SRC B0061406 on initial boot after AC power is removed. Only affects systems with firmware level 3K031021 installed. • Corrects AIX error log entries, caused by Early Power off Warning (EPOW) conditions, from being erroneously logged as FIRMWARE_EVENT entries. Affects only system with 3K030916 or 3K031021 firmware level installed. • Corrects memory DIMM mis-isolation problem on systems equipped with 1.20GHz processors.
3K031021	<ul style="list-style-type: none"> • Prevents System Attention Indicator from being turned on when informational messages are posted to the AIX error log.
3K030916	注:このリリースには、たくさんの重要な改善と個々に記載するのは余りに多く

	<p>の変更を含んでいます。 共通に関係する項目と大きな影響がある項目だけを記載しています。 お客様におかれては、このリリースの適用を強くお勧め致します。</p> <ul style="list-style-type: none"> • Added support for On/Off Capacity On Demand (CoD). • Corrects time synchronization problem on CUoD processors added via DLPAR operation. • Corrects time loss on LPAR systems. • Enhanced error detection for RIO link failures. • Corrects System Attention light blinking after a PCI hot plug operation is completed. • Corrects firmware flash update failure due to recoverable diskette errors when update is performed via Service Processor Menu. • Corrects drawer ID reassignment for existing drawers when new drawers with duplicate IDs are added.
3K030814	<ul style="list-style-type: none"> • Corrects potential cause for system hang at checkpoint E52A on systems with external I/O drawers attached.
3K030515	<p>注： このリリースには、たくさんの重要な改善と個々に記載するのは余りに多くの変更を含んでいます。共通に関係する項目と大きな影響がある項目だけを記載しています。お客様におかれては、このリリースの適用を強くお勧め致します。</p> <ul style="list-style-type: none"> • Added support for RIO-2 Remote I/O Hardware. • Added support for IBM 7311 Rack-Mounted High-Density Expansion Drawer Model D20. • Added support for Capacity Upgrade on Demand (CUoD). • Added support for Cluster1600 and SP attachment. • Added support for SP Switch2 PCI-X Attachment Adapter, Feature Code 8398. • Resolved incorrect PCI adapter AIX location codes when adapters are added or reassigned via a DLPAR operation. • Corrects time loss problem on LPAR systems. • Corrects exposure to potential system crash on LPAR systems when one partition is shutdown and rebooted. • Resolved incorrect identify and power LED behavior during PCI adapter hot plug operations. • Corrects configuration problems with IBM 3581 Ultrium Tape Autoloader.

	<ul style="list-style-type: none"> • Corrects problems with tape devices not seen in some SMS menu screens. • Reliability enhancements for adapter recovery during an EEH event. • Corrects reversed system unit cooling fan location codes when accessed via the Service Processor LED Control Menu. • Corrects reversed system unit cooling fan FRU numbers displayed via the lscfg command or posted by Diagnostics. • Resolved incorrect Service Processor menu behavior during a system firmware update if an error is encountered. • Corrected reporting of power supply errors when redundant AC input power is lost while system is in Standby state.
RK030206	<ul style="list-style-type: none"> • Contains potential minor performance enhancement for PCI adapters internal to the system unit. • Corrects system hang during boot with bad date/time stamp in AIX banner and 'default catch' message displayed on the console. • Provides potential performance enhancement for SP Switch2 PCI Attachment Adapters, Feature Code 8397. • Changed initialization routines for high performance PCI adapters to allow best use of available bandwidth. • Corrects behavior where the system will automatically boot from tape device when SMS 'List All Devices' option is chosen. • Corrects problem with tape devices not appearing in the SMS 'Select Boot Options' menu. • Corrects false L3 Cache error and deconfiguration during system initialization. • Corrects failure to recognize PCI adapters equipped with PCI-X to PCI-X bridge chips during system boot. • Corrects potential cause for system hang with error B1114699 during firmware flash update. • Prevents logging of false error condition B1xx8FF0 in Service Processor and AIX error logs during firmware flash update. • Added FRU part number information to configuration data. • Corrects false error condition reported by RIO hub card (error LED).
RK030205	<ul style="list-style-type: none"> • Prevents a low probability data error caused by the floating point unit using incorrect mode settings. (Mandatory Update)
RK021220	<ul style="list-style-type: none"> • Fix 91FF hang due to loss of IRDY in system processor drawer.

RK021120

- Original (GA) level.

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