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BULL INFRASTRUCTURE SERVICES & SUPPORT



Procédure pour Novascale Bullion Chargement du BIOS et introduction à la Mise à Jour

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1. Remarque importante

La mise à jour du microcode nécessite l'approbation de l'équipe Support Bull.

2. Définition des acronymes

BMC : Baseboard Management Controller
 EFI : Extensible Firmware Interface
 EMM : Embedded Management Module
 FPGA : Field Programmable Gate Array
 ILB : Input Legacy Board
 IC : Identity Card (machine configuration...)
 QPI : Quick Path Interconnect (Intel bus)
 SEL : System Event Log
 SHC : Server Hardware Console

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3. Chargement du BIOS

Ctrl + Clic on the link hereunder to reach Bull Support On Line site dedicated to Novascale Bullion (site en libre accès):

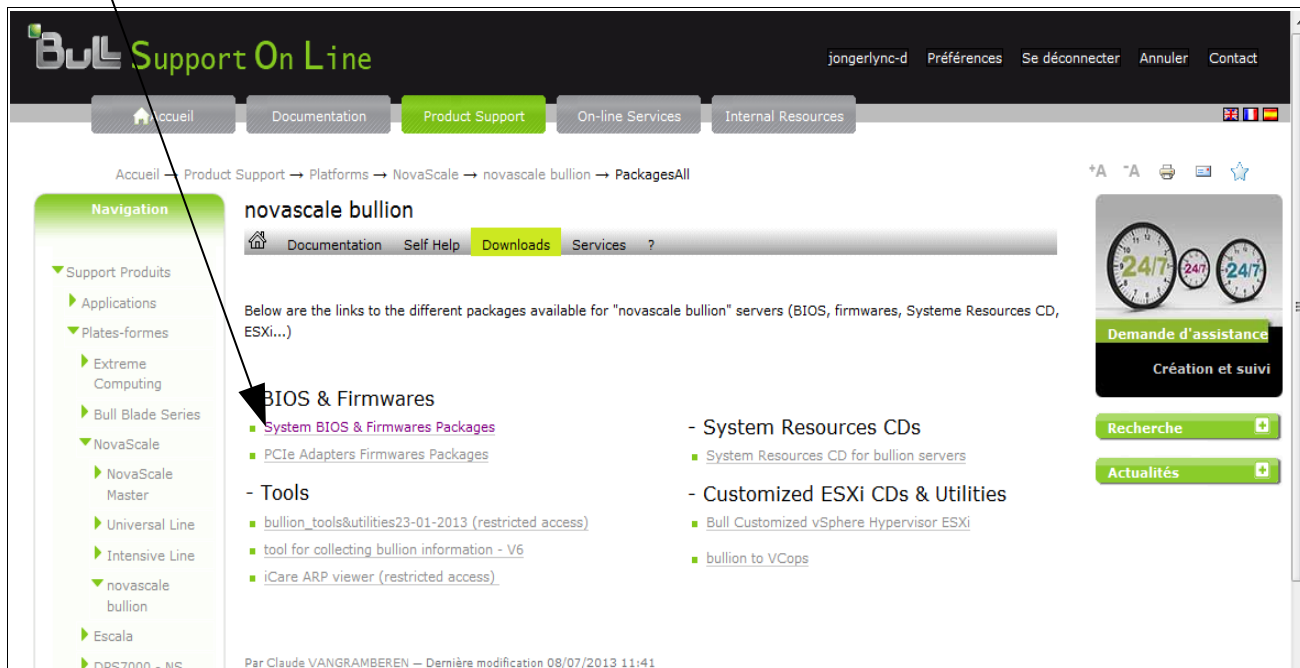
<http://support.bull.com/ols/product/platforms/ns/ns-bullion>

Depuis le menu 'Downloads' sélectionner 'Packages' (visibilité en Novembre 2013)....




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









Une fois arrivé sur la nouvelle page, chercher la rubrique 'BIOS & Firmwares' et sélectionner: 'System BIOS & Firmwares Packages'...




The screenshot shows the Bull Support On Line website interface. The top navigation bar includes links for 'Accueil', 'Documentation', 'Product Support' (highlighted), 'On-line Services', and 'Internal Resources'. The breadcrumb trail indicates the path: Accueil → Product Support → Platforms → NovaScale → novascale bullion → PackagesAll. The left sidebar contains a 'Navigation' menu with categories like 'Support Produits', 'Applications', 'Plates-formes', 'Extreme Computing', 'Bull Blade Series', 'NovaScale', 'Universal Line', 'Intensive Line', 'novascale bullion', 'Escala', and 'DPS7000 - NS'. The main content area is titled 'novascale bullion' and features a sub-menu with 'Documentation', 'Self Help', 'Downloads' (highlighted), and 'Services'. Below this, a section titled 'BIOS & Firmwares' lists links for 'System BIOS & Firmwares Packages' (highlighted with a red arrow), 'PCIe Adapters Firmwares Packages', and 'Tools'. The 'Tools' section includes links for 'bullion_tools&utilities23-01-2013 (restricted access)', 'tool for collecting bullion information - V6', and 'iCare ARP viewer (restricted access)'. On the right side, there are buttons for 'Demande d'assistance', 'Recherche', and 'Actualités'.

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On obtient cette fenêtre:

BIOS firmwares		
List of available firmwares.		
List of available firmwares.		
Title	Description	Effective Date
 BIOS, EMM from TS 039.05 for 32 DIMMs drawer.	BIOSX 02.14.13.999, EMM 11.20.08 Build 0013, PDBPIC 06, ADMs from TS039.05 for 'bullion Standard Memory' servers (32 DIMMs drawer) ONLY.	2013/10/23 12:55:10 GMT+2
 BIOS, EMM from TS 039.04 for 32 DIMMs drawer.	BIOSX 02.14.13.051, EMM 11.20.08 Build 0013, PDBPIC 06, ADMs from TS039.04 for 'bullion Standard Memory' servers (32 DIMMs drawer) ONLY.	2013/10/14 14:33:40 GMT+2
 BIOS, EMM, PDBPIC from TS059.03 for 64 DIMMs drawer.	BIOS 02.14.13.x51, EMM 11.20.07 Build 0011, PDBPIC 06 from TS059.03 for "novascale bullion Extended Memory" servers (64 DIMMs drawer) ONLY.	2013/04/19 00:00:00 GMT+2
 BIOS, EMM, PDBPIC from TS058.03 for 64 DIMMs drawer.	BIOS 02.14.12.x45, EMM 11.20.05 Build 0006, PDBPIC 06 from TS058.03 for "novascale bullion Extended Memory" servers (64 DIMMs drawer) ONLY.	2013/01/22 00:00:00 GMT+2
 BIOS, EMM, FPGA, ADMs from TS057.04 for 64 DIMMs drawer.	BIOS 02.14.11.040, EMM 11.20.02 Build 0002, FPGA A4000101, ADMs ILB/MWB/SIB from TS057.04 for "novascale bullion Extended Memory" servers (64 DIMMs drawer) ONL...	2012/11/21 00:00:00 GMT+2
 BIOS, EMM from TS 035.04 for 32 DIMMs drawer.	BIOSX 02.14.4.016, EMM 11.15.00 Build 1212 from TS035.04 for "novascale bullion Standard Memory" servers (32 DIMMs drawer) ONLY.	2012/10/25 00:00:00 GMT+2
 BIOS, EMM from TS056.02 for 64 DIMMs drawer	BIOS 02.14.6.024, EMM 11.16.01 Build 00001 from TS056.02 for "novascale bullion Extended Memory" servers (64 DIMMs drawer) ONLY.	2012/08/21 00:00:00 GMT+2
 EMM from TS055.06 for 64 DIMMs drawer - V2	EMM 11.15.01 Build 0001 from TS055.06 for "novascale bullion Extended Memory" servers (64 DIMMs drawer) ONLY. - V2	2012/07/18 00:00:00 GMT+2
 BIOS, EMM from TS 034.02 for 32 DIMMs drawer.	BIOSX 02.13.7.033, EMM 11.12.00 Build 1207 from TS034.02 for "novascale bullion Standard Memory" servers (32 DIMMs drawer) ONLY.	2012/04/18 00:00:00 GMT+2
 BIOS, EMM from TS034.01 for 32 DIMMs drawer.	BIOS 02.13.3.019, EMM 11.10.10 Build 0002 from TS034.01 for "novascale bullion Standard Memory" servers (32 DIMMs drawer) ONLY.	2012/03/24 00:00:00 GMT+2
 BIOS, EMM & FPGAs from TS 044.03 for 32 DIMMs drawer.	BIOSX 01.012.01.007, EMM 11.09.05 build 1167, FPGAs B4500206/C4500204 from TS044.03 for "novascale bullion Standard Memory" servers (32 DIMMs drawer) ONLY.	2011/08/02 00:00:00 GMT+2
 BIOS, EMM from TS 024.01 for 32 DIMMs drawer.	BIOSX 01.008.06.036, EMM 11.08.02 build 1141 from TS024.01 for "novascale bullion Standard Memory" servers (32 DIMMs drawer) ONLY.	2011/03/23 00:00:00 GMT+2
 BIOS from TS 015.02 for 32 DIMMs drawer.	BIOSX 01.008.05.031 from TS015.02 for "novascale bullion Standard Memory" servers (32 DIMMs drawer) ONLY.	2010/11/30 00:00:00 GMT+2
 BIOS, EMM from TS 014.01 for 32 DIMMs drawer.	BIOSX 01.008.03.019, EMM 11.07.11 build 0003 from TS014.01 for "novascale bullion Standard Memory" servers (32 DIMMs drawer) ONLY.	2010/11/24 00:00:00 GMT+2

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Cliquer sur la version BIOS voulue (la version BIOSX 02.14.13.999-EMM 11.20.08 a été choisie dans notre exemple), on accède à cette fenêtre:

novascale bullion


Documentation
Self Help
Downloads
Services
?

BIOS, EMM from TS 039.05 for 32 DIMMs drawer.

BIOSX 02.14.13.999, EMM 11.20.08 Build 0013, PDBPIC 06, ADMs from TS039.05 for 'bullion Standard Memory' servers (32 DIMMs drawer) ONLY.

Package for 'bullion' server **32 DIMMs** only.

The Firmware versions of the current delivery are included in the Technical Status 039.05.

BIOS & EMM firmwares included in this package can be used to update a 'bullion' server operating with Technical Status Technique from 034.01 to 039.04.

TS 034.01 = BIOS 02.013.03 EMM 11.10.00 Build 0002

TS 039.04 = BIOS 02.014.13 EMM 11.20.08 Build 0013

In other cases, please contact your Bull Support.

Apply the update procedure described in the file "ReadmeFirst.txt".

Click to download : [FW-update-TS039.05.zip](#)


Please, consult the associated Resources Version List : [bullion_TS-039.05_ResourcesRevision.html](#)

Cliquer sur: FW-update-TS039.05.zip pour obtenir cette capture d'écran:















Puis cliquer sur 'Enregistrer/Enregistrer sous' et cibler un répertoire local de la station de travail ou bien la racine d'une clef USB pour enregistrer le fichier compressé.

Aller sur le répertoire choisi à l'étape précédente et décompressé le fichier 'FW-update-TS039.05.zip' (dans notre exemple).

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Après décompression, le dossier a le contenu suivant (dans notre exemple):

	ADM	Dossier de fichiers		
	bios	Dossier de fichiers		
	EMM	Dossier de fichiers		
	PDBPIC	Dossier de fichiers		
	flashFW.bat	Fichier de commande Wi...	2 Ko	Non
	FW-update-procedure_En_10_22-2013.pdf	Adobe Acrobat Document	241 Ko	Non
	grep.exe	Application	67 Ko	Non
	Ipmitool.exe	Application	258 Ko	Non
	procedure-maj-FW_Fr_22-10-2013.pdf	Adobe Acrobat Document	267 Ko	Non
	startup.nsh	Fichier NSH	1 Ko	Non
	update	Fichier	1 Ko	Non
	update.nsh	Fichier NSH	1 Ko	Non

Lire tout d'abord le fichier nommé "FW-update-procedure_FR_10_22-2013.pdf" et suivre les instructions pour effectuer la mise à jour du microcode Novascale Bullion BIOS & EMM.

Fin de procédure.