**Intelligent Platform Management Interface (IPMI)** est un agent de sécurité pour votre serveur. Certaines fonctions principales d'IPMI consistent à surveiller l'état du matériel (y compris les températures, la consommation électrique, la tension, etc.), à enregistrer les données du serveur et à autoriser l'accès au serveur même lorsqu'un système d'exploitation n'est pas installé ou fonctionne mal.

IPMI vous donne la possibilité de gérer des serveurs dans des emplacements physiques distants quel que soit le système d'exploitation installé.

Cette procédure s'applique aux DIVAR IP 6000/7000 (R2 et AIO).

Suivez les étapes ci-dessous et découvrez comment afficher et collecter à distance le journal des événements du système via IPMI.

Tout d'abord, assurez-vous qu'un câble LAN est connecté au port IPMI à l'arrière du DIP :



**Remarque** : le port IPMI est défini par défaut pour obtenir automatiquement l'adresse IP. Un serveur DHCP est donc nécessaire.

S'il n'est pas possible d'avoir physiquement un routeur avec un serveur DHCP, veuillez consulter l'article suivant et découvrez comment attribuer une adresse IP à un DIVAR IP 7000/6000 via le logiciel de serveur DHCP haneWIN.

### Guide étape par étape

Le logiciel IPMIView peut être téléchargé ici :

https://www.supermicro.com/SwDownload/SwSelect\_Free.aspx?category=IPMI

Pour pouvoir télécharger IPMIView, il vous sera demandé soit de vous connecter avec votre compte si vous en avez un, soit de continuer en tant qu'invité et de remplir vos coordonnées (e-mail professionnel, nom et société).

← → C ☆ 🌢 supermicro.com/en/support/	resources/download	dcenter/smsdownload?ca	ategory=IPMI						
	<< Support	Online Support	Onsite Services	RMA	Downloads	Manuals	Quick Reference Guides	Warranty	Product Matrices
	IPMICFG								
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	Version: 2.27.	3	Updated: 09-28	-2023					<u>User Guide</u>
									Release Notes
								Rec	eive Update Notifications

1. Installez le logiciel et ouvrez-le en sélectionnant « Exécuter en tant qu'administrateur » (Run as administrator)

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	IPMIView2				<b>*</b>	C		securitate			
		圮	Pin to Start								
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### 2. Découvrez le périphérique IPMI

Le logiciel IPMI View offre une fonctionnalité qui détectera tous les périphériques ou systèmes actuellement connectés au réseau.

Cliquez sur le bouton « Fichier » (File) et sélectionnez « Découvrir le périphérique IPMI » (Discover IPMI Device)

Vous pouvez spécifier une plage d'adresses IP Réseau et un Masque réseau, ensuite cliquez sur Détecter (Detect) ou Démarrer (Start) pour rechercher tous les périphériques ou systèmes IPMI connectés aux connexions de l'outil IPMI.

**3**. Sélectionnez l'adresse IP du périphérique pour lequel vous souhaitez collecter les logs et cliquez sur "Démarrer" (Start) et "Enregistrer" (Save).

IPMIView 2.18.0 (build 201007) - Sup	er Micro Computer, Inc.		- 🗆	×
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L'adresse IP sélectionnée se trouvera dans la section Domaine IPMI (IPMI Domain)

📱 IPMIView 2.18.0 (build 201007) - Super Micro Computer, Inc. 🛛 🚽 🕹								
File Edit Session Manage Help								
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IPMI Domain (1/1)								
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**4**. Une fois connecté au serveur distant via IPMI Console Redirection, l'écran de connexion IPMI suivant s'affichera :

SUPERMICR	_
Please Login	
Username ADMIN	
Password ••••	
login	

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Entrez le nom d'utilisateur et le mot de passe et cliquez sur Login.

### Identifiants par défaut :

Nom d'utilisateur : ADMIN

Mot de passe : ADMIN

**Remarque** : Unités produites **après 2020** : l'accès à l'IPMI ne se fait plus avec les identifiants ADMIN / ADMIN.

L'utilisateur reste ADMIN, mais le mot de passe est unique pour chaque unité. Le **mot de passe** se trouve sur **l'étiquette** située à l'arrière de l'unité.

### Applicable pour :

- toute unité dotée d'IPMI et produite après 2020

- toute carte mère remplacée dans n'importe quel système, même plus ancien, si le nouveau composant a été produit après 2020



Vous disposez de 2 options pour collecter le Log des Evénements : via un navigateur Web ou directement depuis l'outil IPMIView :

#### A) L'outil IPMIView :

1.Sélectionnez l'onglet Event Log > choisissez le type d'événement que vous souhaitez collecter (événement de Santé / Maintenance) et cliquez sur le bouton « Get SEL Records ».

IPMIView 2.18.0 (build 201007	7) - Super Micro Computer, Inc.	-	×
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IPMI Domain (1/1)			
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SEL Information refreshed			

2.Une fois les événements affichés, vous pouvez les exporter dans un fichier .txt en cliquant sur le bouton **Save** 

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#### Remarque :

**Current SEL Device Timestamp**: cet élément affiche l'horodatage du périphérique actuel. Pour en savoir plus sur les règles, cliquez sur **l'icône** d'information.



#### B) Navigateur WEB:

Si vous souhaitez trier le log des événements du système, vous pouvez choisir une catégorie dans la liste déroulante de la vue WEB.

Le log des événements que vous pouvez choisir peut-être le suivant :

Tous les évènements (All events)

Événements du logiciel de gestion du système (System Management Software Events)

Événements générés par BIOS (BIOS Generated Events)

Événements spécifiques au capteur (Sensor Specific Events)

SUPERMICR		Host Identific Server: User:	Host Identification- Server: 192.168.001.010 User: ADMIN (Administrator)			
System	Server Health	Configuration	Remote Control	Virtual Media	Maintenance	Miscellaneou
Server Hes Sensor Re	alth 🗢 E	Event Log				
😑 Event Log	F	or more special event log	settings, please click here			
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Power Sou	urce	Sensor-Specific Events BIOS Generated Events System Management Soft All Events	ware Events			
		509	2018/10/16 12:00:27	OS Boot #0x00	)	OS Boo

1. Ouvrez le navigateur web et saisissez l'adresse IP de l'unité trouvée via IPMI.

2. Entrez le nom d'utilisateur et le mot de passe et cliquez sur Login.

Vous devez avoir Java installé sur votre système afin de lancer la console. Assurez-vous donc que vous disposez de la **dernière version de JAVA**.

3. Accédez à l'onglet « Server Health » > Sélectionnez « Event Log ».

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PERMICR			Server: 192.168.001.010 User: ADMIN	Sentersko- Server: 192 108 001 010 User: ADMIN (Administrator)					
stem 🚺 Server	r Health Configuration	on Remote Control	Virtual Media Maintenance	Miscellaneous Help					
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4. Une fois les événements affichés, vous pouvez les copier dans un fichier .txt et l'envoyer à l'Equipe d'Assistance Centrale si elle vous a demandé les logs.

#### Bon à savoir :

De plus, dans IPMI, vous pouvez vérifier la Source d'Alimentation si SuperDoctor ne fonctionne pas ainsi que d'autres informations telles que les Enregistrements des Capteurs et la Consommation de Puissance.

Vous pouvez trouver ces informations en cliquant sur l'onglet « Server Health » :

#### Source d'Alimentation

System	Server Health	Configuration	Remote Control	Virtual Media	Maintenance	Miscellaneous	Help
	Sensor Readin	ngs ischarge Timer 1	Enable	O Disable In 🗸	Days (Default is 30, ma	x is 63days)	
Server Health	Power consum	nption Discharge 1	Enable	Disable			
Sensor Reading	Power Source	ischarge Timer 2	Enable	O Disable In 🗸	Days (Default is 30, ma	x is 63days)	
		Manual Discharge 2	Enable	Disable			
Event Log		Auto Discharge Timer 3	Enable	O Disable In 🗸	Days (Default is 30, ma	x is 63days)	
Power content	ption	Manual Discharge 3	Enable	Disable			
C Danna C anna		Timeout Value for graceful	shutdown O Enable	Disable	(Seconds) Save		
Power Source		Estimate remaining BBP rul	n time : 0 sec				
		Slot 1 Status					
		Status		Power Supply	OK		
		AC Input Voltage		235 (V)			
		AC Input Current		0.414 (A)			
		DC 12V Output Voltage		12.1 (V)			
		DC 12V Output Current		5.5 (A)			
		Temperature 1		34 C/ 93.2 F			
		Temperature 2		40 C/ 104 F			
		Fan 1		7218 RPM			
		Fan 2		0 RPM			
		DC 12V Output Power		67 (W)			
		PWS Serial Number		88 (W) 07410CH15V	N1848		
		Slat 2 Status		ridirentist	1040		
		Stotus Status		Downer Supph	OK		
		AC Input Voltage		235 (V)	, on		
		AC Input Current		0.367 (A)			
		DC 12V Output Voltage		12.1 (V)			
		DC 12V Output Current		4.25 (A)			
		Temperature 1		33 C/ 91.4 F			
		Temperature 2		40 C/ 104 F			
		Fan 1		7254 RPM			
		Fan 2		0 RPM			
		DC 12V Output Power		52 (W)			
		AC Input Power		71 (W)			
		PWS Serial Number		P741PCH15Y	N1827		

#### **Enregistrements des Capteurs**

INING .				_	[	Server: 112.168.00 User: ADMIN	1.100 (Administrator)		kormat@Refresh@Lagood English
ystem Serve	r Health	Configuration	Remote Control	Virtual Media	Maintenance	Miscellaneous	Help		
C Server Hand	nt Log our consumption	r Readings							
C Sensor Reading Poor	The Deputor	h page displays system subside for the sensors	n sensor information, includ to by pressing the Show The	ing readings and status. soluble ballon below.	tou can loggle viewing the				
D Power consumption		a second home called	-						
C Down Lowers	- Deec	a perior (the caudo	ej.						Sensor Readings: 25 senso
	Albe	eors v	Name I				Status - Normal	Reading 1 33 degrees C	
			System Temp				Normal	28 degrees C	
			wipheral Temp				Normal	38 degrees C	
			POH Temp				Normal	43 degrees C	
			VRM Temp				Normal	36 degrees C	
	_	(	DiMMA1 Temp				NA	Not Present	
		(	CIBMIA2 Temp				NA	Not Present	
		1	Citizente Temp				NA	Not Present	
		6	CIMMID2 Temp				Normal	29 degrees C	
			FAN1				Normal	1100 R.P.M	
			FAND				Normal	2600 R.P.M	
			FAN3				Normal	2700 R.P.M	
	_		FAN4				N/A	Not Present	
			FANA				Normal	2700 R.P.M	
			Vipu				Normal	1.782 Volts	
			VDMM				Normal	1.32 Volto	
			12V				Normal	12 Votes	
			5V00				Normal	5 Vulta	
			3.3VCC				Normal	3.344 Volts	
			VBAT				Normal	2.94 Vots	
			AVCC				Normal	3.329 Volts	
			V98				Normal	3.284 Volts	
			Charosis Intru					OK	
			PS1 Status					Presence detected.	
			P92 9944					Presence detected.	

### **Consommation de Puissance**



### Conseil

Si le support technique vous a demandé de leur fournir le **code Post Snooping**, veuillez suivre les étapes ci-dessous :

cliquez droit sur l'adresse IP du DOMAINE IPMI  $\,\rightarrow\,$ 

ensuite, vous vous connecterez à la page web de l'outil IPMI



Cliquez sur l'onglet Miscellaneous → Le code Post Snooping s'affichera

- Settings	× 192.10	58.1.10/	× +					[-]	0 X
$\leftarrow \ \rightarrow \ G$	08	192.168.1.10/cgi/url_i						ය	≡
- Import bookmarks	🝅 Getting Started	Download Area   Bosc							
SUPERMICR			Host Identific Server: User:	ation- 192.168.001.010 ADMIN (Adm	inistrator )	1	🎯 Normal 🥥	Refresh@Logout English	~
System	Server Health	Configuration	Remote Control	Virtual Media	Maintenance	Miscellaneous	Help		
Miscellaneous	🔁 P	ost Snooping		2	_				
Post Snooping									
SMC RAKP		This page displays current	BIOS post code.						
UID Control		Post Snooping:							

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