R421 R422 R422-INF HOW TO: Replace the AOC-SIMSO IP Address

NOVASCALE UNIVERSAL



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Hardware

July 2007

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Preface

This HOW TO explains how to configure the AOC-SIMSO or AOC-SIMSO+ IP address for the following servers:

- NovaScale Universal R421
- Novascale Universal R422
- Novascale Universal R422-INF

Intended readers

This HOW TO is written for very qualified user's or Bull SAS support technicians.

R421, R422, R422-INF - HOW TO: Replace the AOC-SIMSO IP Address

Chapter 1. How to replace the AOC-SIMSO or AOC-SIMSO+ IP Address

1.1 Hardware installation

For the Hardware installation of an AOC-SIMSO or AOC-SIMO+ IPMI add-on card, see Bull's

NovaScale R42x AOC-SIMSO/SIMSO+ Installation and User's Guide (86 A1 96ET 00).

1.2 Reminders

There is neither a Floppy Disk drive nor a CD/DVD drive on a **NovaScale Universal R421**, **Novascale Universal R422** or **Novascale Universal R422–INF** servers.

1.3 Manufacturing configuration

The NovaScale Universal R421 or NovaScale Universal R422 servers are delivered with a label attached which indicates both the MAC address and the default IP address.

The default AOC-SIMSO or AOC-SIMSO+ IP address is: 192.168.1.1XX, with XX being the number of the server in your cluster.

Chapter 2. How to replace the AOC-SIMSO or AOC-SIMSO+ IP Address by means of a Web Browser

To replace the AOC-SIMSO or AOC-SIMSO+ IP address carry out the following steps.

- 1. From another server, which can access the network (192.168.1.*), type in the IP address that you want to connect to in the address bar in the browser.
- 2. Once the connection is made, the Log In screen is displayed, as shown below.

🖉 Authentication - Microsoft Internet Explorer		
Eichier Edition Affichage Favoris Qutils ?		1
😋 Précédente 🔹 📀 - 💌 😰 🏠 🔎 Rechercher 🤸 Favoris 🤣 🔗 - چ 🐷 - 🛄 鑬		
Adresse http://192.168.1.103	💌 芛 ок	Liens »
		<u> </u>
Authenticate with Login and Password!		
llaurama		
Username		
Password		
Login		
	Intranet local	
	and another ocal	11.

- 3. To log onto the target AOC-SIMSO or AOC-SIMSO+ IPMI card
 - Type in your Username in the Username box (the default is ADMIN)
 - Type in your password in the Password box (the default is ADMIN)
 - Click on Login
- 4. The Home Page, below, is displayed.



- 5. Click on **Device Settings** on the Home Page to activate its submenus.
- 6. Click on Network

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Kan San Kana Kana Kana Kana Kana Kana Ka		<u>لم</u> Logout
Remote Control	-Network Basic Settings	Î
🔗 Virtual Media	IP auto configuration None 🔽 *	
	Preferred host name (DHCP only)	
System Health	IP address 192.168.1.103	
🎁 User Management	Subnet mask 255,255,0,0	
KVM Settings	Gateway IP address 192.168.1.200	
	Primary DNS server IP address	
Cevice Seπings	Secondary DNS server IP address *	
😁 Network		
Opnamic DNS	Network Miscellaneous Settings	
 Security Contiliants 	Remote Console & HTTPS port 443 *	
 Certificate Date (Time) 	HTTP port 80	
S Date/Time		
SNMP Settings	SSH port 22 *	
A Maintananaa	Bandwidth Limit kbit/s *	
Maintenance	Enable SSH access *	
	Disable Setun Protocol *	
	LAN Interface Settings	
	Current LAN interface parameters: autonegotiation on, 100 Mbps, full duplex, link ok	
	LAN interface speed Autodetect 💌 *	
	LAN interface duplex mode Autodetect 💌 *	
	Apply Reset to defaults * Stored value is equal to the default.	

7. Change the IP address in the Network Basic Settings box.

Please use an IP address that is different from all the other IP addresses (IP addresses of all the other AOC-SIMSO or AOC-SIMSO+ cards in your cluster, AND of all the other IP addresses which are assigned to the GLAN1 and GLAN2 entries for all the other servers in your cluster).

8. Click on the **Apply** button.

Chapter 3. How to replace the AOC-SIMSO or AOC-SIMSO+ IP Address by means of the IPMIview application

3.1 IPMIview installation

See the IPMIview User's Manual (file Manuals \IPMIView20.pdf on CDR-SIMIPMI_1.10_SIM_IPMI.iso)

Install IPMIview on a server that can access the network with the IP address 192.168.1.* This is done by running the

\IPMI_Solution\Windows\Administrator\IPMIView25setupwin32.exe file, on the CDR-SIMIPMI_1.10_SIM_IPMI.iso image, on this server.

3.2 Logging in to the target AOC-SIMSO or AOC-SIMSO+ card

1. Launch the IPMIview.exe program on the server that can access the 192.168.1.* network.

The first window that appears is shown below:



- 2. Add the AOC-SIMSO or AOC-SIMSO+ target to the IPMI Domain
 - Click on File ->New ->System
 - Type in the AOC-SIMSO or AOC-SIMSO+ hostname in the System Name box
 - Type in the AOC-SIMSO or AOC-SIMSO+ current (old) IP address in the IP address box
 - Type in a system description in the **Description** box

🚔 Add a new system		×
System Name:	ccs-node-8-m	
IP address:	199.182.200.192	
Description:	R422-INF-S-IPEC-AOCSIMSO+	
	OK	

- 3. Log in
 - Type in your Username in the Login ID box (default is ADMIN)
 - Type in your password in the **Password** box (default is ADMIN)
 - Click on Login

📴 IPMI View V2.5.2 (build 061219) - S	Super Micro Computer, Inc.	
File Edit Session Manage Help		
SUPERMICE The Server Solutions Manufacturer	B ccs-node-8-m	
IPMI Domain ▲ ▼ 9 音 ccs-node-8-m	System Name ccs-node-8-m	
	IP Address 199182.200.192	
	Description R4224NF-S4PEC-AOCSIMS0+	
	Login ID ADMIN	
	Password ****	
	V save ID and Password	
	Logout:	
2月 Groups 📑 🔓 🖄 🏦 🐵		
IPMI Domain (1/1)		
	Login	
Ready		

4. Once connected the window below appears.

IPMI View V2.5.2 (build 061219) - 9	Super Micro Computer, Inc.	_ 🗆 ×
File Edit Session Manage Help		
	<u>R</u>	
SUPERMICRO The Server Solutions Manufacturer	- strode-8-m	
IPMI Domain ▲ ▼ 💡 🟦 🚆 ccs-node+8-m	System Name ccs-node-8-m	
	IP Address 199.182.200.192	
	Description R422-INF-S-IPEC-ADCSIMSD+	
	Login ID ADMIN	
	Password ****	
	V save ID and Password	
	Login	
題 Groups 다 삼 金 ※	CONNECTED	
	Version - IPMI 2.0 For Standard BMCP+	
	Cipher Suite : (RAKP-HMAC-SHA1, HMAC-SHA1-96, AES-CBC-128.)	
	, Login Event Log Sensors IPM Device BMC Setting Users Text Console KVM Console Virtual Media	3
RMCP+ Open Session successful		

- 5. Click on the BMC Setting tab
 - Enter the new AOC-SIMSO or AOC-SIMSO+ IP address in the IP Address text box in BMC LAN Configuration box.
 - If necessary, edit Gateway IP, Subnet Mask and LAN MAC addresses.
 - If necessary, type in the new AOC-SIMSO or AOC-SIMSO+ Gateway IP addresses in the Gateway IP address box
 - Click on the BMC LAN Configuration -> Update button

IPMI View V2.5.2 (build 061219) -	Super Micro Computer, Inc.	_ 🗆 🗙
File Edit Session Manage Help		
	<u>A</u> 6	
SUPERMICR [®]	🚟 ccs-node-8-m	
The Server Solutions Manufacturer	BMC LAN Configuration	
📴 IPMI Domain 🛛 🔺 👽 🛱	IP Address 192.168.1.103 LAN MAC 00:30:48.8D:B9:1E Update	
State Costrode-8-m	Gateway IP 192.168.1.200	
	Subnet Mask 255,255,0,0 LAN MAC must be correct while update	
	SNMP	
	Community public Update	
	SNMP Trap Receivers	
	0.0.0.0	
	0.0.0.0	
	0.0.0.0	
	n.n.n.	
劉 Groups La 台 仓 参		
C Invit Domain (171)		
	Refresh	
	Login Event Log Sensors IPM Device BMC Setting Users Text Console KVM Console Virtual Media	
Loading BMC Setting Information done		

- 6. Close the session
 - Click on the Login tab
 - Click on the **Logout** button

📴 IPMI View V2.5.2 (build 061219) - Supe	er Micro Computer, Inc.	
File Edit Session Manage Help		
SUPERMICR The Server Solutions Manufacturer] ccs-node-4-m (R421-IPEC) 🔜 ccs-node-9-m (R421-SDD)	
IPMI Domain ▲ ▼ 9 IP ccs-node-10-m (R4224INF-S-SDD) IP ccs-node-11-m (R4224INF-P-SDD) IP ccs-node-41-m (R4224INF-P-SDD) IP ccs-node-41-m (R4224INF-P-SDD)	System Name ccs-node-9-m (R421-SDD)	
Costrode-9-m (R421-SDD) Costrode-9-m (R421-SDD) Costrode-6-m (R422-S-IPEC) Costrode-6-m (R422-S-IPEC)	IP Address 199.182.200.199	
ccs-node-7-m (R422-INF-P-IPEC)		
	Login ID ADMIN	
	Password *****	
	v save ID and Password	
	Login	
製 Groups □a 盐金令	CONNECTED	
	Version : IPMI 2.0 For Standard RMCP+ Cipher Suite : (RAKP-HMAC-SHA1, HMAC-SHA1-96, AES-CBC-128)	
KVM Interface loaded	igin Event Log Sensors IPM Device BMC Setting Users Text Console KVM Console Virtual Media	3]

- 7. Modify the system properties
 - Replace the old IP address with the new IP address.

Modify the sys	tem	×
		_
System Name:	ccs-node-9-m (R421-SDD)	
IP address:	199.182.200.199	
Description:	ccs-node-9-m (R421-SDD)	-
	ОК	

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