RICH Hardware Interlock System - IOC Reboot Procedure

- 1. Access clascss
- 2. Under "IOCs" menu, select "IOC Health".



3. In window that opens, navigate to "Detectors" tab.

Oct Health 13 Detectors Solenoid & Torus High Voltare DAQ Soft Last Rebort Console Har IOC Name Hostname Up Time Heartbeat Expert Soft Last Rebort Console Har Ioccaas cloniocl.ijlab.org 2 days, 18:46:36 240396 C C Rebort 09/22/2017 13:20:07 C Rebort 09/22/2017 13:20:07 C Rebort 09/22/2017 13:20:09 C Rebort 09/22/2017 13:20:00 C Rebort	Co otudio @cionsiz	12.jlab.org		ny internal i	interfo		RICH CARN H	5	
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iocsaclaytgt clonioc1.jlab.org 2 days, 18:46:32 240392 🕜 🖓 Reboot 09/22/2017 13:20:10 🗭 🕻 Reb	iocmoellerTarget	clonioc1.jlab.org	2 days, 18:46:36	240396	Ľ	🖸 Reboot	09/22/2017 13:20:07	Ľ	🖸 Rebo
	iocsaclaytgt	clonioc1.jlab.org	2 days, 18:46:32	240392	C ²	Reboot	09/22/2017 13:20:10	L,	Rebo

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eneral Detect	ors Solenoid & Torus	High Voltage Low \	voltage DAQ	VME				
IOC Name	Hostname	Up Time	Heartbeat	Expert	Soft Reboot	Last Reboot	Console	Hard Reboo
iocsoftsvtR1	clonioc1.jlab.org	2 days, 18:47:39	240459	Ľ	Reboot	09/22/2017 13:20:1		Rebo
iocsoftsvtR2	clonioc1.jlab.org	2 days, 18:47:40	240459	Ľ	🖸 Reboot	09/22/2017 13:20:1	Ľ	C Rebo
iocsoftsvtR3	clonioc1.jlab.org	2 days, 18:47:39	240458	Ľ	🖸 Reboot	09/22/2017 13:20:12	2 🖸	C Rebo
iocsoftsvtintlk	clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:10		Rebo
ocsoftsvtChiller	clonioc1.jlab.org	2 days, 18:47:40	240457	Ľ	🖸 Reboot	09/22/2017 13:20:13	Ľ	Rebo
		30 days, 20:26:23	2665583	Ľ	🖸 Reboot	08/25/2017 10:41:2	ľ	C Rebo
iocftcTemps	clonioc1.jlab.org	2 days, 18:47:44	240426	Ľ	Reboot	09/22/2017 13:20:44	L CZ	Rebo
iocftcChiller	clonioc1.jlab.org	2 days, 18:47:44	240464	ß	🖸 Reboot	09/22/2017 13:20:00	Ľ	C Rebo
iocftcFlasher	clonioc1.jlab.org	2 days, 18:47:43	240463	Ľ	Reboot	09/22/2017 13:20:03		C Rebo
iocfthDivider	clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:10	C C	C Rebo
iocftIntlk	clonioc2.jlab.org	2 days, 19:02:43	241363	ß	🖸 Reboot	09/22/2017 13:05:03	ľ	🖸 Rebo
iocftIntlkHard	clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:10	Ľ	🖸 Rebo
iocmmFeuFTT	Disconnected	Disconnected	Disconnected	Ľ	🖸 Reboot	Disconnected	Ľ	🖸 Rebo
iocmmGasFTT	clonioc1.jlab.org	2 days, 18:47:40		Ľ	🖸 Reboot	09/22/2017 13:20:10		Rebo
iocmmFeuMVT	Disconnected	Disconnected	Disconnected	Ľ	R eboot	Disconnected	Ľ	Rebo
iocmmGasBMT	clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:10		C Rebo
iocmmGasFMT	clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	Reboot	09/22/2017 13:20:10	ľ	C Rebo
iocrichIntlk	svtsystem1.jlab.org	2 days, 18:29:43	239383	Ľ	Reboot	09/22/2017 13:38:08		C Rebo
iocgenflasher	clonioc1.jlab.org	2 days, 18:47:43	240463	Ľ	Reboot	09/22/2017 13:20:03		Rebo

4. In "Detectors" tab, find row for IOC Name "iocrichIntlk"

5. U	Inder "Soft Re	boot" column	click reboot but	ton. Soft reboot takes	a few seconds.
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2.jlab.org		ny internal i	init and in		RICH CAEN H	4	
							- 6
ors Solenoid & Torus	High Voltage Low	Voltage DAQ	VME				
Hostname	Up Time	Heartbeat	Expert	Soft Reboot	Last Reboot	Conso	Hard le Reboot
clonioc1.jlab.org	2 days, 18:47:39	240459	Ľ	🖸 Reboot	09/22/2017 13:20:1	Ľ	🖸 Reboot
clonioc1.jlab.org	2 days, 18:47:40	240459	Ľ	🖸 Reboot	09/22/2017 13:20:13	Ľ	🖸 Reboot
clonioc1.jlab.org	2 days, 18:47:39	240458	Ľ	🖸 Reboot	09/22/2017 13:20:12		🖸 Reboot
clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:10		🖸 Reboot
clonioc1.jlab.org	2 days, 18:47:40	240457	Ľ	🖸 Reboot	09/22/2017 13:20:13	8	🖸 Reboot
	30 days, 20:26:23	2665583	Ľ	🖸 Reboot	08/25/2017 10:41:27	ľ	🖸 Reboot
clonioc1.jlab.org	2 days, 18:47:44	240426	5	Reboot	09/22/2017 13:20:44	5 1	Reboot
clonioc1.jlab.org	2 days, 18:47:44	240464	ß	Reboot	09/22/2017 13:20:06	E C	Reboot
clonioc1.jlab.org	2 days, 18:47:43	240463	R	Reboot	09/22/2017 13:20:07	2	Reboot
clonioc1.jlab.org	2 days, 18:47:40	240460	12	Reboot	09/22/2017 13:20:10	5 1	Reboot
clonioc2.jlab.org	2 days, 19:02:43	241363	R	Reboot	09/22/2017 13:05:07		Reboot
clonioc1.jlab.org	2 days, 18:47:40	240460	R	Reboot	09/22/2017 13:20:10	21	Reboot
Disconnected	Disconnected	Disconnected	R	Reboot	Disconnected	Ľ	Reboot
clonioc1.jlab.org	2 days, 18:47:40	240460	ß	Reboot	09/22/2017 13:20:10	C.	Reboot
Disconnected	Disconnected	Disconnected	Ľ	🖸 Reboot	Disconnected	Ľ	🖸 Reboot
clonioc1.jlab.org	2 days 19:47:40	240460	Ľ	🔁 Reboot	09/22/2017 13:20:10		🖸 Reboot
clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:10		🖸 Reboot
svtsystem1.jlab.org	2 days, 18:29:43	239383	l C	🖍 Reboot	(19/22/2017 13:38:08	· C	🖸 Reboot
clonioc1.jlab.org	2 days, 18:47:43	240463	Ľ	🖸 Reboot	09/22/2017 13:20:07		Reboot
	2jlaborg rs Solenoid & Torus Hostname clonioc1.jlab.org clonioc1.jlab.org clonioc1.jlab.org clonioc1.jlab.org clonioc1.jlab.org clonioc1.jlab.org clonioc1.jlab.org clonioc1.jlab.org clonioc1.jlab.org clonioc1.jlab.org clonioc1.jlab.org Disconnected clonioc1.jlab.org svtsystem1.jlab.org	2.jlab.org rs Solenoid & Torus High Voltage Low Hostname Up Time clonioc1.jlab.org 2 days, 18:47:39 clonioc1.jlab.org 2 days, 18:47:40 clonioc1.jlab.org 2 days, 18:47:40 clonioc1.jlab.org 2 days, 18:47:40 clonioc1.jlab.org 2 days, 18:47:40 clonioc1.jlab.org 2 days, 18:47:44 clonioc1.jlab.org 2 days, 18:47:44 clonioc1.jlab.org 2 days, 18:47:43 clonioc1.jlab.org 2 days, 18:47:44 clonioc1.jlab.org 2 days, 18:47:40 clonioc1.jlab.org 2 days, 18:47:40 clonioc1.jlab.org 2 days, 18:47:40 clonioc1.jlab.org 2 days, 18:47:40 Disconnected Disconnected clonioc1.jlab.org 2 days, 18:47:40 Svtsystem1.jlab.org 2 days, 18:47:43 clonioc1.jlab.org 2 days, 18:47:40	Zjlaborg rs Solenoid & Torus High Voltage Low Voltage DAQ Hostname Up Time Heartbeat cloniocl.jlab.org 2 days, 18:47:39 240459 cloniocl.jlab.org 2 days, 18:47:39 240459 cloniocl.jlab.org 2 days, 18:47:39 240459 cloniocl.jlab.org 2 days, 18:47:39 240458 cloniocl.jlab.org 2 days, 18:47:40 240460 cloniocl.jlab.org 2 days, 18:47:40 240457 classcsvt 30 days, 20:26:23 2665583 cloniocl.jlab.org 2 days, 18:47:44 240426 cloniocl.jlab.org 2 days, 18:47:44 240463 cloniocl.jlab.org 2 days, 18:47:43 240460 cloniocl.jlab.org 2 days, 18:47:40 240460 cloniocl.jlab.org 2 days, 18:47:40 240460 Disconnected Disconnected Disconnected cloniocl.jlab.org 2 days, 18:47:40 240460 Disconnected Disconnected Disconnected cloniocl.jlab.org 2 days, 18:47:40 240460 svtsystem1.jlab.org 2 days, 18:47:43 <td>Zjlaborg rs Solenoid & Torus High Voltage Low Voltage DAQ VME Hostname Up Time Heartbeat Expert clonioc1.jlab.org 2 days, 18:47:40 240459 C clonioc1.jlab.org 2 days, 18:47:40 240459 C clonioc1.jlab.org 2 days, 18:47:40 240459 C clonioc1.jlab.org 2 days, 18:47:40 240450 C clonioc1.jlab.org 2 days, 18:47:40 240457 C clonioc1.jlab.org 2 days, 18:47:40 240457 C clonioc1.jlab.org 2 days, 18:47:44 240457 C clonioc1.jlab.org 2 days, 18:47:44 240456 C clonioc1.jlab.org 2 days, 18:47:44 240460 C clonioc1.jlab.org 2 days, 18:47:40 240460 C olonioc1.jlab.org 2 days, 18:47:40 240460 C</td> <td>Zjiaborg rs Solenoid & Torus Hich Voltage Low Voltage DAQ VME Hostname Up Time Heartbeat Expert Soft Reboot clonioc1.jlab.org 2 days, 18:47:39 240459 C Peboot clonioc1.jlab.org 2 days, 18:47:40 240459 C Peboot clonioc1.jlab.org 2 days, 18:47:40 240458 C Peboot clonioc1.jlab.org 2 days, 18:47:40 240457 C Peboot clonioc1.jlab.org 2 days, 18:47:40 240464 C Peboot clonioc1.jlab.org 2 days, 18:47:41 240464 C Reboot clonioc1.jlab.org 2 days, 18:47:42 240463 C Reboot clonioc1.jlab.org 2 days, 18:47:40 240463 C Reboot clonioc1.jlab.org 2 days, 18:47:40 240460 C Peboot clonioc1.jlab.org 2 days, 18:47:40 240460 C Peboot clonioc1.jlab.org 2 days, 18:47:40 240460 C Peboot Disconnected 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Reboot 09/22/2017 13:20:11 C clonioc1.jlab.org 2 days, 18:47:39 240459 C Reboot 09/22/2017 13:20:12 C clonioc1.jlab.org 2 days, 18:47:40 240459 C Reboot 09/22/2017 13:20:12 C clonioc1.jlab.org 2 days, 18:47:40 240450 C Reboot 09/22/2017 13:20:10 C clonioc1.jlab.org 2 days, 18:47:40 240426 C Reboot 09/22/2017 13:20:44 C clonioc1.jlab.org 2 days, 18:47:44 240426 C Reboot 09/22/2017 13:20:44 C clonioc1.jlab.org 2 days, 18:47:44 240463 C Reboot 09/22/2017 13:20:47 C clonioc1.jlab.org 2 days, 18:47:40 240460 C Reboot 09/22/2017 13:20:10 C</td>	Zjlaborg rs Solenoid & Torus High Voltage Low Voltage DAQ VME Hostname Up Time Heartbeat Expert clonioc1.jlab.org 2 days, 18:47:40 240459 C clonioc1.jlab.org 2 days, 18:47:40 240459 C clonioc1.jlab.org 2 days, 18:47:40 240459 C clonioc1.jlab.org 2 days, 18:47:40 240450 C clonioc1.jlab.org 2 days, 18:47:40 240457 C clonioc1.jlab.org 2 days, 18:47:40 240457 C clonioc1.jlab.org 2 days, 18:47:44 240457 C clonioc1.jlab.org 2 days, 18:47:44 240456 C 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6. If Hardware Interlock screen indicators still show "Disconnected", click reboot button under "Hard Reboot" column. Hard reboot will take longer than soft reboot.

CS-Studio @clonsl	2.jlab.org		ry internal i	interfo		RICH CARN H	w.	- 0 X
🚝 IOC Health 🛿								- 0
General Detecto	ors Solenoid & Torus	High Voltage Low	Voltage DAQ '	VME				
IOC Name	Hostname	Up Time	Heartbeat	Expert	Soft Reboot	Last Reboot	Conso	Hard le Reboot
iocsoftsvtR1	clonioc1.jlab.org	2 days, 18:47:39	240459	Ľ	🖸 Reboot	09/22/2017 13:20:1		Reboot
iocsoftsvtR2	clonioc1.jlab.org	2 days, 18:47:40	240459	Ľ	🖸 Reboot	09/22/2017 13:20:1	1 🖸	Reboot
iocsoftsvtR3	clonioc1.jlab.org	2 days, 18:47:39	240458	Ľ	🖸 Reboot	09/22/2017 13:20:1	2 🖸	🖸 Reboot
iocsoftsvtintlk	clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:1	∘ ⊿	🖸 Reboot
iocsoftsvtChiller	clonioc1.jlab.org	2 days, 18:47:40	240457	Ľ	🖸 Reboot	09/22/2017 13:20:1	з 🖸	Reboot
iocvmesvt	classcsvt	30 days, 20:26:23	2665583	Ľ	🖸 Reboot	08/25/2017 10:41:2	7 🗳	🖸 Reboot
iocftcTemps	clonioc1.jlab.org	2 days, 18:47:44	240426	Ľ	🖸 Reboot	09/22/2017 13:20:4	4 🗳	Reboot
iocftcChiller	clonioc1.jlab.org	2 days, 18:47:44	240464	Ľ	🖸 Reboot	09/22/2017 13:20:0	6 🖸	Reboot
iocftcFlasher	clonioc1.jlab.org	2 days, 18:47:43	240463	Ľ	🖸 Reboot	09/22/2017 13:20:0	7 🖸	Reboot
iocfthDivider	clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:1	∘⊠	🖸 Reboot
iocftIntlk	clonioc2.jlab.org	2 days, 19:02:43	241363	Ľ	🖸 Reboot	09/22/2017 13:05:0	7 🖸	🖸 Reboot
iocftIntlkHard	clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:1	∘ Ľ	🖸 Reboot
iocmmFeuFTT	Disconnected	Disconnected	Disconnected	Ľ	🖸 Reboot	Disconnected	Ľ	🖸 Reboot
iocmmGasFTT	clonioc1.jlab.org	2 days, 18:47:40	240460	Ľ	🖸 Reboot	09/22/2017 13:20:1	∘ ⊿	🖸 Reboot
	Discourse to d		Discourse to de		C Palacet			
is an a CoopMT					C. Rebool	Disconnected		Reboot
IOCMMGASBMI	cionioc1.jiab.org	2 days, 18:47:40	240460		L' Repoot	09/22/2017 13:20:1	20	Reboot
IOCMMGASEMI	clonioc1.jlab.org	2 days, 18:47:40	240460		Reboot	v., ³⁷² 017 13:20:1	20	Reboot
iocrichIntlk	svtsystem1.jlab.org	2 days, 18:29:43	239383	Ľ	🖪 Reboot	09/22/2017 13:38:0	ک ع	🖸 Reboot
iocgenflasher	clonioc1.jlab.org	2 days, 18:47:43	240463	Ľ	🖸 Reboot	09/22/2017 13:20:0	7 🖸	Reboot

7. Exit clascss.