

BCD Harmonize Plug-in User Guide

Compatibility

- The Harmonize iDRAC plugin is compatible with XProtect 2020 R3
- iDRAC 9w / Lifecycle Controller 3.36.36.36
- iDRAC Virtual Console will require an iDRAC Enterprise License
- The XProtect Event Server service will need to be running under a user account that is an admin on the server machine in order to get some of the data points

Setting Up A View Pane

- Launch the XProtect Smart Client and log in.
- Enter setup mode.
- Create a view (refer to XProtect manual for directions)

Associating A Pane With An iDRAC Node

Drag the Harmonize iDRAC node to a pane and drop it there.



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(clean template provided so that editor can provide better graphics)

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Selecting iDRAC Node

Locate the Harmonize iDRAC setup panel, and select the desired iDRAC node.

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(Clean template for reference)



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Once the iDRAC node has been selected, the pane will show the telemetry.

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Server iDRAC 199	•							
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Selecting Telemetry Category

Select the type of telemetry by clicking on the category selector in the panel. The telemetry values will be shown in the pane below.

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E Alarms			CPU Telemetry						
IBI IDRAC View IBI New View (1 x 1) Private			CPU Load 2 %						

Panes can be collapsed/expanded by clicking on the pane header. Tabular data can be sorted by clicking the column headers.

CPU

The CPU pane shows the total CPU load on the Windows partition of the iDRAC server. The values are in percent across all cores.

iDRAC 1999						
CPU	Temp	Storage	Power	Network	Memory	
CPU Telemetry						*
CPU Load						
1%						

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Temperature

Shows the temperature sensor readouts, fan speeds and status.

iDRAC 1999							
CPU	Temj	•	Storage	Power	Network	Memory	
Temperatures							*
CPU1 Temp 49 *C	System Boa	rd Exhau 33 °C	st Temp Syste	em Board Inlet Temp 22 °C			
Fans							*
Name	RPM	Health	n State				
System Board	Fan1 4800	OK	Enabled				
System Board	Fan2 5040	OK	Enabled				
System Board	Fan3 5160	OK	Enabled				
System Board	Fan4 4920	OK	Enabled				
System Board	Fan5 4920	OK	Enabled				

Storage

Shows the status of the hard drives, grouped by controller. The predictive failure checkbox is checked if iDRAC signals predictive failure on the drive.

iDRAC 1999						
CPU	Temp	Storage	Power	Network	Memory	62020 BCDInternational
PERC H740P Ad	dapter					τ.
BOSS-S1						*
Drive Label	Predictive Failure	Status				
SSD 0		OK				
SSD 1		OK				

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Power

Shows the status of the Power Supply Units.

iDRAC 1999							
CPU	Temp		Storage	Power	Network	Memory	
Power Status							*
Name F	Part Number	Health	State				
PS1 Status 0	CMPGMA01	ОК	Enabled				
PS2 Status 0	CMPGMA01	Critical	UnavailableOf	line			

Network

Shows the status of the network interfaces.

iDRAC 1999								
CPU	Т	emp		Storage	Power	Network	Memory	02020 BCDInternational
Network Status								•
Name	Po	ort	Status					
NIC.Mezzanine.	1-1	1	Down					
NIC.Embedded.	1-1	1	Up					
NIC.Mezzanine.	1-2	2	Down					
NIC.Embedded.	2-1	2	Down					

Memory

Shows the memory load (in percent of total RAM) on the Windows partition of the iDRAC server.

iDRAC 1999						
CPU	Temp	Storage	Power	Network	Memory	
Memory Telemetr	У					*
Memory Load						
56 %						

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<u>Alarms</u>

If alarms are set up for the iDRAC plugin, the alarms will emerge in the alarm pane (refer to the Milestone XProtect documentation on how to accomplish this).

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* 🖿 Default group	T On building	12:07:18 AM 4/8/2021			New	CPU Load Ab	IORAC 199		480	
 fiir Default view group 	T On nos (s)	12:07:17 AM 4/8/2021	1	1	New	HDD Alarm	IDRAC 199		463	
= Alarms	T Closed (0)	12:07:17 AM 4/8/2021	1		New	HDD Alarm	IORAC 199		464	
III iDRAC View		12:07:17 AM 4/8/2021			New	H00 Alarm	IORAC 199		465	
III New View (1 x 1)		12:07:17 AM 4/8/2021			New	HDD Alarm	IORAC 199		466	
		12:07:17 AM 4/8/2021			New	H00 Alarm	IORAC 199		467	
• I Private	Servers	12:07:17 AM 4/8/2021			New	HDD Alarm	IORAC 199		468	
Cameras A	- DESKTOP-VB0QLLO	12:07:17 AM 4/8/2021			New	HDD Alarm	IORAC 199		469	
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 W DESKION-ABOGED 		12:07:17 AM 4/8/2021			New	HDD Alarm	IDRAC 199		471	
		12:07:17 AM 4/8/2021			New	HDD Alarm	IORAC 199		472	
		12:07:17 AM 4/8/2021			New	HDD Alarm	IDRAC 199		473	
		12:07:17 AM 4/6/2021			New	HDD Alarm	IORAC 199		474	
		12:07:17 AM 4/8/2021			New	HDD Alarm	IORAC 199		475	
	HDD Alarm									
	iDRAC Server iDRAC 199									
	Alarm Source Physical Disk 0.10)								

Alarm Preview

Selecting the alarm will bring up the alarm preview pane. For iDRAC alarms, the source (iDRAC server name) and the source that triggered the event will be shown. In the example, the physical disk 0:1:0 on iDRAC 199 triggered the event.

For more information: MSiDRAC@bcdvideo.com

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