

Site Monitoring Solutions

CustardWare V6.5

Regional broadcaster monitoring and reporting.

Site Monitoring Solutions

CustardWare is designed to support networks on remote sites and can integrate with other tools.

- Cost effective.
- Efficient, powerful and intuitive operation.
- Flexible and highly customizable.
- Managed service reduces hidden staff costs.
- Fast delivery and excellent support

“We didn’t understand what was happening until we installed CustardWare.”

Head of Broadcast – Regional Broadcaster

Layer3 Systems

Search devices by name:

Alarms	
Severity	Count
Critical	180
Major	9
Minor	5
Total	194
Admin Events	

Load Average	
Duration	Value
1 min	1.43
5 min	1.48
10 min	1.49

CPU Load	
State	%
User	19.7
Nice	0.0
System	1.1
Wait	0.0
Idle	

Memory	
Type	KBytes
Used	9309508
Buffers/Cached	6593484
Shared	774272
Free	363152

Swap	
Type	KBytes
Used	83456
Free	3824124
Total	3907580

CustardWare offers an ideal way to monitor sites and to display operation in an intuitive way.

CustardWare can provide data and alarm information to other monitoring and management systems.

Room (temp)	Room	Power	Room	Power
MAFG6			123 Row A	8.16kW
MTA3		1.56kW	123 Row B	8.16kW
MTA4		49.8W	123 Row C	7.93kW
HAR11		660W	123 Row D	12.92kW
		1.34kW	123 Row E	18.48kW
		9.77kW	123 Row F	11.31kW
		5.75kW	123 Row G	19.20kW
		922.4W	123 Row H	13.36kW
		1.76kW	123 Row J	13.01kW
HAR31		2.98kW	123 Row K	11.08kW
HAR32		2.72kW	123 Row L	30.49kW
HAR33		6.79kW	123 Row M	8.14kW
HAR41		29.4W		
HAR51		784.8W		
123 Total		158.04kW		
Others		Others		

A typical landing page, configured to show a brief summary of the most important metrics covering the CustardWare system and in this case the power usage in various areas.

CustardWare Device Events

Show 25 entries Search:

Event	Timestamp	Device	Element	Description	ObjType	State	Details
41372881	2020-11-18 08:55:31	423/MDU/001	Unit 2 Outlet Name 13	Power OK	Bryant Mains Outlet	green	Location: CON3D
41372851	2020-11-18 08:55:31	423/MDU/001	Unit 2 Outlet Name 14	Power OK	Bryant Mains Outlet	green	Location: CON3D
41372821	2020-11-18 08:55:31	423/MDU/001	Unit 2 Outlet Name 13	Power OK	Bryant Mains Outlet	green	Location: CON3D
41372791	2020-11-18 08:55:31	423/MDU/001	Unit 2 Outlet Name 14	Power OK	Bryant Mains Outlet	green	Location: CON3D
41372761	2020-11-18 08:55:31	423/MDU/001	Unit 2 Outlet Name 13	Power OK	Bryant Mains Outlet	green	Location: CON3D
41372731	2020-11-18 08:55:31	423/MDU/001	Unit 2 Outlet Name 14	Power OK	Bryant Mains Outlet	green	Location: CON3D
41351971	2020-11-17 23:43:40	423/MDU/001	Unit 2 Outlet Name 14	Relay off	Bryant Mains Outlet	brown	Location: CON3D
41351921	2020-11-17 23:43:40	423/MDU/001	Unit 2 Outlet Name 4	Relay off	Bryant Mains Outlet	brown	Location: CON3D
41351911	2020-11-17 23:43:40	423/MDU/001	Unit 2 Outlet Name 1	Relay off	Bryant Mains Outlet	brown	Location: CON3D
41351901	2020-11-17 23:43:40	423/MDU/001	Unit 2 Outlet Name 2	Relay off	Bryant Mains Outlet	brown	Location: CON3D
41304911	2020-11-17 08:16:26	423/MDU/001	Unit 2 Outlet Name 13	Power OK	Bryant Mains Outlet	green	Location: CON3D
41304901	2020-11-17 08:16:26	423/MDU/001	Unit 2 Outlet Name 5	Power OK	Bryant Mains Outlet	green	Location: CON3D
41304891	2020-11-17 08:16:26	423/MDU/001	Unit 2 Outlet Name 10	Power OK	Bryant Mains Outlet	green	Location: CON3D

Showing 1 to 25 of 1,491 entries Previous 1 2 3 4 5 ... 60 Next

CustardWare events can drive alarms, emails and provide inputs to other systems or applications.

CustardWare Alarms

Show 25 entries Search:

Alarm	Timestamp	Device	Element	Description	ObjType	State	Details
10753461	2021-03-05 10:39:31	184/MDU/031	1W Name Unit 1 (2)	Humidity below warning threshold of 15.0%	Bryant 1-Wire Sensor	yellow	Location: CROOM01-A03.47
10750871	2021-03-05 05:09:07	184/MDU/051	1W Name Unit 1 (2)	Humidity below warning threshold of 15.0%	Bryant 1-Wire Sensor	yellow	Location: CROOM02-B01.47
10750841	2021-03-05 04:58:18	182/MDU/631	1W Name Unit 1 (2)	Humidity below warning threshold of 15.0%	Bryant 1-Wire Sensor	yellow	Location: CROOM03-A03.47
10750791	2021-03-05 04:53:00	184/MDU/323	1W Name Unit 1 (2)	Humidity below warning threshold of 15.0%	Bryant 1-Wire Sensor	yellow	Location: CROOM04-A03.47
10750451	2021-03-05 03:43:03	182/MDU/641	1W Name Unit 1 (2)	Humidity below warning threshold of 15.0%	Bryant 1-Wire Sensor	yellow	Location: CROOM05-A03.47
10749991	2021-03-05 01:32:34	182/MDU/751	1W Name Unit 1 (2)	Humidity below warning threshold of 15.0%	Bryant 1-Wire Sensor	yellow	Location: CROOM06-A03.47
10748461	2021-03-04 19:18:25	CROOM01-AS1	GigabitEthernet1/0/17	Interface operationally down	Interface	red	HOST ORBAN RADIO PROCESSOR 21 ETHERNET
10748021	2021-03-04 17:29:10	CROOM02-AS2	GigabitEthernet1/0/17	Interface operationally down	Interface	red	HOST ORBAN RADIO PROCESSOR 21 ETHERNET
10696051	2021-02-24 17:42:24	CROOM03-AS3	Chassis Temperature Sensor	Module not present	Chassis Temperature Sensor	red	HOST ORBAN RADIO PROCESSOR 21 ETHERNET
4189181	2020-06-29 15:21:01	CROOM04-AS4	GigabitEthernet1/0/14	Interface operationally down	Interface	red	HOST ORBAN RADIO PROCESSOR 21 ETHERNET

Showing 1 to 10 of 10 entries (filtered from 208 total entries) Previous 1 Next

CustardWare alarms page highlighting the most recent warnings.

Device details for S-AS2

Polling Details

Name	Object ID	Polling Type	Polling Address	Module
S-AS2	2611	o_SNMPdevices	10.82.168.32	o_SNMPdevices::Cisco

System Table

Name	S-AS2
Manufacturer	Cisco
Model	C33xx Stack
Firmware version	16.6.3
Serial Number	FP
Description	Cisco IOS Software [Everest], Catalyst L3 Switch Software (CAT9K_IOSXE), Version 16.6.3, RELEASE SOFTWARE (fc8) Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2018 by Cisco Systems, Inc. Compiled Wed 28-Feb-18 23:34 by mcpre
Location	S-AS2
Contact	----
OID	1.3.6.1.4.1.9.1.2494
Physical port count	
Up time at last configuration poll	142 days 9 hours 5 minutes
Last successful configuration poll	UNKNOWN
Last successful status poll	UNKNOWN

Physical/Logical Table

#	Name	Alias	Type	MTU	Speed	D	Address	A	O	Connects To	VLANs	LAG details	bit/s	In %	Out %
1	GigabitEthernet0/0		6	1500	1G		88cae4997b80								
2	Null0		6	1500	10G										
3	unrouted VLAN 1		53	1500	240G										
4	unrouted VLAN 1002		53	1500	240G										
5	unrouted VLAN 1004		53	1500	240G										
6	unrouted VLAN 1005		53	1500	240G										
7	unrouted VLAN 1003		53	1500	240G										
8	GigabitEthernet1/0/1	HOST S-LAR MGT	53	1500	1G	F	88cae4997b81			S-LAR-AX (G10/0)	24				
9	GigabitEthernet1/0/2	HOST INTEL NUC B WORKSTATION 1 NIC 1	53	1500	1G	F	88cae4997b82				408				
10	GigabitEthernet1/0/3	HOST TKT NIX PRISM NIC 1	53	1500	1G	F	88cae4997b83				452				
11	GigabitEthernet1/0/4	HOST INTEL NUC B WORKSTATION 1 NIC 1	53	1500	1G	F	88cae4997b84				408				
12	GigabitEthernet1/0/5	HOST TKT NIX PRISM NIC 1	53	1500	1G	F	88cae4997b85				452				
13	GigabitEthernet1/0/6	HOST INTEL NUC B WORKSTATION 1 NIC 1	53	1500	1G	F	88cae4997b86				408				
14	GigabitEthernet1/0/7	HOST INTEL NUC B WORKSTATION 1 NIC 1	53	1500	1G	F	88cae4997b87				408				
15	GigabitEthernet1/0/8	HOST INTEL NUC B WORKSTATION 1 NIC 1	53	1500	1G	F	88cae4997b88				408				
											408				
											408				
											408				
											408				
											454				
											1				
											1				
											1				
											1				
											452				
25	GigabitEthernet1/0/18	HOST SONY BCM-HX310 SONY IP REMOTE LAN	53	1500	100M	F	88cae4997b92				452				
26	GigabitEthernet1/0/19	SHUT access port	53	1500	1G		88cae4997b93								
27	GigabitEthernet1/0/20	SHUT access port	53	1500	1G		88cae4997b94				1				
28	GigabitEthernet1/0/21	SHUT access port	53	1500	1G		88cae4997b95				1				
29	GigabitEthernet1/0/22	SHUT access port	53	1500	1G		88cae4997b96				1				
30	GigabitEthernet1/0/23	SHUT access port	53	1500	1G		88cae4997b97				1				
31	GigabitEthernet1/0/24	HOST INTEL NUC 8i5BEK3 B Workstation NETWORK	53	1500	1G	F	88cae4997b98				408				
32	GigabitEthernet1/0/25	HOST D-LINK DGS-10-24 Avid S6 Network Switch NETWORK	53	1500	1G										
33	GigabitEthernet1/0/26	SHUT access port	53	1500	1G										
34	GigabitEthernet1/0/27	SHUT access port	53	1500	1G										
35	GigabitEthernet1/0/28	SHUT access port	53	1500	1G										
36	GigabitEthernet1/0/29	SHUT access port	53	1500	1G										
37	GigabitEthernet1/0/30	SHUT access port	53	1500	1G										
38	GigabitEthernet1/0/31	SHUT access port	53	1500	1G										
39	GigabitEthernet1/0/32	SHUT access port	53	1500	1G										
40	GigabitEthernet1/0/33	SHUT access port	53	1500	1G		88cae4997ba1				1				
41	GigabitEthernet1/0/34	SHUT access port	53	1500	1G		88cae4997ba2				1				
42	GigabitEthernet1/0/35	SHUT access port	53	1500	1G		88cae4997ba3				1				
43	GigabitEthernet1/0/36	SHUT access port	53	1500	1G		88cae4997ba4				1				
44	GigabitEthernet1/0/37	SHUT access port	53	1500	1G		88cae4997ba5				1				
45	GigabitEthernet1/0/38	SHUT access port	53	1500	1G		88cae4997ba6				1				

System Details provides a summary of the device.

Polling details show how the device is accessed.

The Physical/Logical table gives a summary of the device's ports and connectivity.

Thumbnail graphs dynamically show recent trends and activity on relevant ports.

Device details for S-LAR11-D

Polling Details

Name	Object ID	Polling Type	...
S-LAR11-D	2711	SNMP/Device	

System Table

Name	S-LAR11-D
Manufacturer	Cisco
Model	2332 Stack
Firmware version	16.9.3
Serial Number	FCW2246L14V
Description	Cisco IOS Software
Location	
Contact	
OID	1.3.6.1.4.1.9.1.2494
Physical port count	
Up time at last configuration poll	R26 days 0 hours 12 minutes
Last successful configuration poll	UNKNOWN
Last successful status poll	UNKNOWN

Physical/Logical Table

#	Name	Alias	Type	MTU	Speed	D	Address	A	O	Connects to	VLAN	in%	out%	In Policy	Out Policy
1	GigabitEthernet0/0		8	1500	1G	T	70c6c6905603			S-LAR11-MC-A(G1/0/2)					
2	Null0		8	1500	10G										
3	Unrouted VLAN 1		135	1500	0										
4	Unrouted VLAN 1002		135	1500	0										
5	Unrouted VLAN 1004		135	1500	0										
6	Unrouted VLAN 1005		135	1500	0										
7	Unrouted VLAN 1003		135	1500	0										
8	GigabitEthernet1/0/1	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
9	GigabitEthernet1/0/2	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
10	GigabitEthernet1/0/3	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
11	GigabitEthernet1/0/4	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
12	GigabitEthernet1/0/5	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
13	GigabitEthernet1/0/6	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
14	GigabitEthernet1/0/7	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
15	GigabitEthernet1/0/8	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
16	GigabitEthernet1/0/9	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
17	GigabitEthernet1/0/10	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
18	GigabitEthernet1/0/11	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
19	GigabitEthernet1/0/12	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
20	GigabitEthernet1/0/13	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
21	GigabitEthernet1/0/14	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
22	GigabitEthernet1/0/15	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
23	GigabitEthernet1/0/16	HOST DANTE AES NIC 1	135	1500	100M	T	70c6c6905603			300		aaa67	aaa67		
24	GigabitEthernet1/0/17	SHUT	1												
25	GigabitEthernet1/0/18	SHUT Dante access port	135	1500	1G		70c6c6905612			300		aaa67	aaa67		
26	GigabitEthernet1/0/19	SHUT Dante access port	135	1500	1G		70c6c6905613			300		aaa67	aaa67		
27	GigabitEthernet1/0/20	SHUT Dante access port	135	1500	1G		70c6c6905614			300		aaa67	aaa67		
28	GigabitEthernet1/0/21	SHUT Dante access port	135	1500	1G		70c6c6905615			300		aaa67	aaa67		
29	GigabitEthernet1/0/22	SHUT Dante access port	135	1500	1G		70c6c6905616			300		aaa67	aaa67		
30	GigabitEthernet1/0/23	SHUT Dante access port	135	1500	1G		70c6c6905617			300		aaa67	aaa67		
31	GigabitEthernet1/0/24	SHUT Dante access port	135	1500	1G		70c6c6905618			300		aaa67	aaa67		
32	GigabitEthernet1/1/1	SHUT uplink	1												
33	GigabitEthernet1/1/2	SHUT uplink	1												
34	GigabitEthernet1/1/3	SHUT uplink	1												
35	GigabitEthernet1/1/4	SHUT uplink	1												
36	TenGigabitEthernet1/1/1	SHUT uplink	1												
37	TenGigabitEthernet1/1/2	SHUT uplink	1												
38	TenGigabitEthernet1/1/3	SHUT uplink	1												
39	TenGigabitEthernet1/1/4	SHUT uplink	1												
40	TenGigabitEthernet1/1/5	SHUT uplink	1												
41	TenGigabitEthernet1/1/6	SHUT uplink	1												
42	TenGigabitEthernet1/1/7	LINK to CS-CAA-DANTE-DX1	135	1500	10G		70c6c6905623			S-CDANTE-DX1 (Te1/0/6)	#11			aaa67	aaa67
43	TenGigabitEthernet1/1/8	LINK to CS-CAA-DANTE-DX2	135	1500	10G		70c6c6905624			S-CDANTE-DX2 (Te1/0/6)	#12			aaa67	aaa67
44	FortyGigabitEthernet1/1/1	SHUT uplink	1												
45	FortyGigabitEthernet1/1/2	SHUT uplink	1												

Although a different device, the same classes of detail are available across all monitored hardware, giving a consistent source of information.

One of the important features in CustardWare is that table items offer links to lower levels of data, making it possible to navigate the entire network using point and click navigation.

OSPF Link State Database for CROOM20-DANTE-AX2 area: 0.0.0.0

Router Links Table for Area 0.0.0.0

The Router Links Table contains an entry for each router within the 0.0.0.0 OSPF Area. Each router entry describes its own interfaces that are also in this area. For an interface to appear here it

Adv Router	Name	E	T	E	B	Type	Nbr Rtr ID	Nbr Rtr Name	Adv Rtr If	Desig Rtr	Subnet	Mask	Metric	Seq #	ChkSum	Age	
192.168.19.128	CROOM01-DANTE-AX01						-----	-----	-----	-----	-----	192.168.19.230	255.255.255.255	1	80004667	a823	26
							-----	-----	-----	-----	-----	192.168.19.216	255.255.255.248	1			
							192.168.19.252	CROOM01-DANTE-DX2	192.168.19.5	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							192.168.19.251	CROOM02-DANTE-DX1	192.168.19.1	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
192.168.19.129	CROOM02-DANTE-AX02						-----	-----	-----	-----	-----	192.168.19.231	255.255.255.255	1	80004665	af6e	1127
							-----	-----	-----	-----	-----	-----	-----	1			
							192.168.19.252	CROOM03-DANTE-DX2	192.168.19.13	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							192.168.19.251	CROOM04-DANTE-DX1	192.168.19.9	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
192.168.19.130	CROOM03-DANTE-AX03						-----	-----	-----	-----	-----	192.168.19.232	255.255.255.255	1	80004663	61db	582
							-----	-----	-----	-----	-----	-----	-----	1			
							192.168.19.252	CROOM05-DANTE-DX2	192.168.19.37	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							192.168.19.251	CROOM06-DANTE-DX1	192.168.19.33	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
192.168.19.131	CROOM04-DANTE-AX04						-----	-----	-----	-----	-----	192.168.19.233	255.255.255.255	1	80004661	c7d3	869
							-----	-----	-----	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			
							-----	-----	-----	-----	-----	-----	-----	1			

Displaying complex lower level data such as the Link State Database is very easy in CustardWare, and jumping to another part of the table on another device is just a click away.

Device details for 103/MDU/101

Device Configuration:
Device details
Device events
Hardware details
ARP Table
IP Routing Table
Config file

Network Access:
Telnet Device
SSH Device

Device Modelling:
Polling configuration
Model configuration
Notes/Support

Configuration export:
CSV
Excel
Config Checker

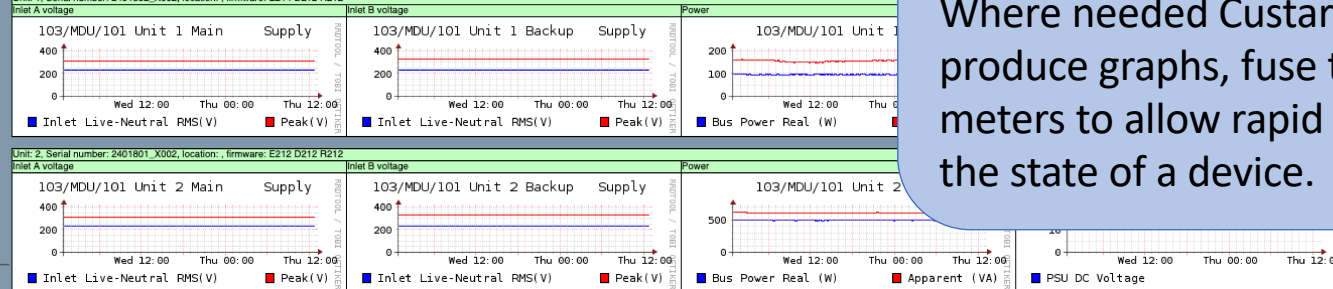
Device search:

System Table

Name	103/MDU/101
Manufacturer	
Model	
Firmware version	
Serial Number	
Description	eyePower by Bryant Unlimited - www.eyepowermains.com
Location	RACK1
Contact	Layer 3 Systems
SID	1.3.6.1.4.1.23407.2
Physical port count	
Up time at last configuration poll	227 days 2 hours 5 minutes
Last successful configuration poll	UNKNOWN
Last successful status poll	UNKNOWN

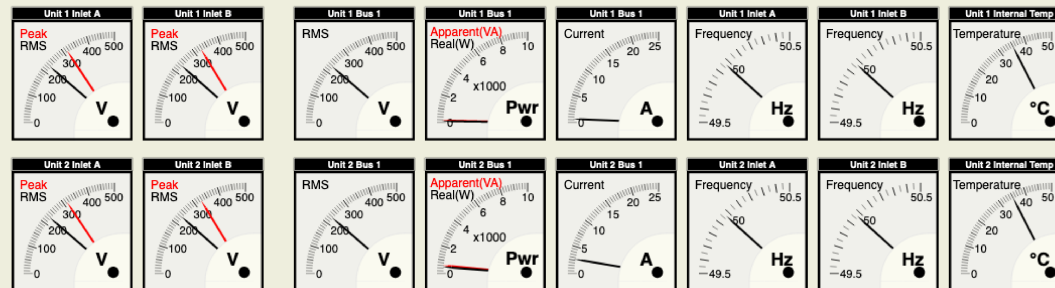
Mains Distribution

Unit: 1, Serial number: 2401802_X002, location: , firmware: E214 D212 R212



Unit In	Fuses
No. AB	1 2 3 4 5 6 7 8 9 10 11 12 13 14
1	A O O O O O O O O O O O O O
2	A O O O O O O O O O O O O O

Some devices, such as this “Mains Distribution Unit” require the display of data other than simple tables. Where needed CustardWare can produce graphs, fuse tables and meters to allow rapid assimilation of the state of a device.



Monitor point thresholds for Unit 1 Bus 1

Show events

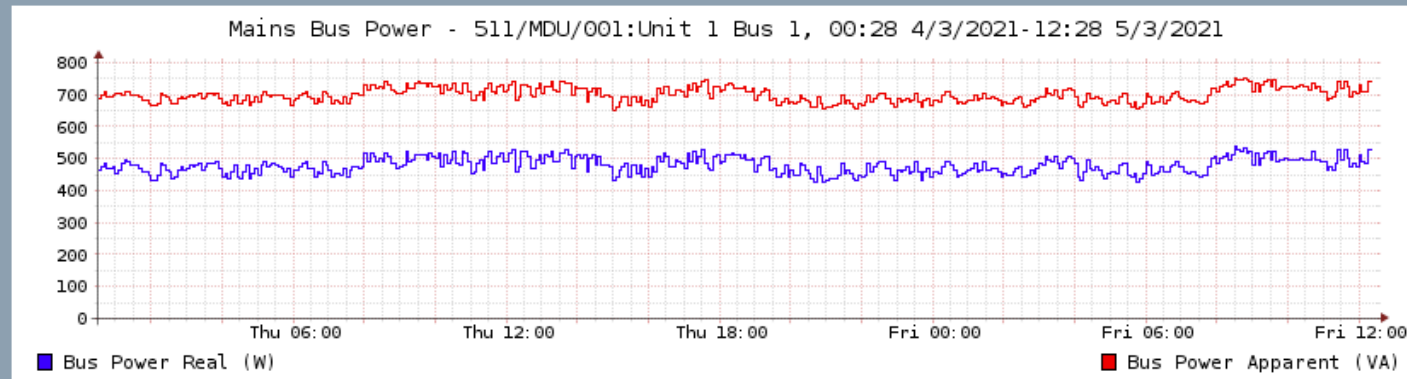
- Bus power monitor
- Bus current monitor
- Bus power monitor inletA
- Bus voltage monitor
- Bus power monitor inletB

Setting monitor point thresholds for alerts is a simple matter of adding values into configuration tables.

Bus power monitor

Parameter	Value	Default
Enabled	Yes	Yes
Critical High Threshold (kW)	10	10
Warning Low Threshold (kW)	-1	-1
Warning High Threshold (kW)	8	8
Critical Low Threshold (kW)	-1	-1

Set Reset to defaults



Bus power monitor Add to group

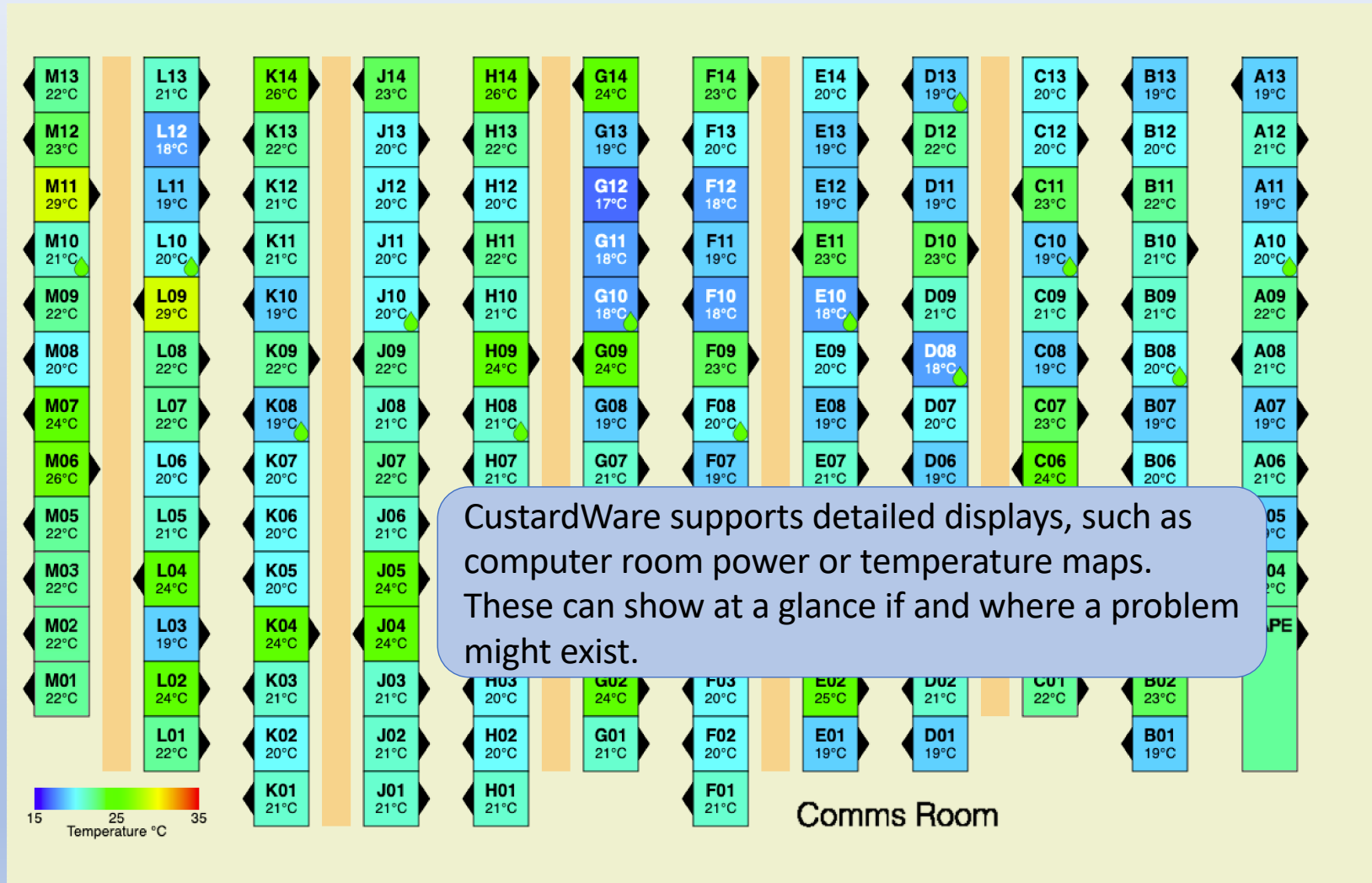
CustardWare Object Events

Show entries Search:

Event	Timestamp	Device	Element	Description	ObjType	State	Details
43508501	2020-12-09 02:56:01	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
43505101	2020-12-09 02:54:23	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
43497821	2020-12-09 02:44:38	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
43497411	2020-12-09 02:44:17	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
43479991	2020-12-09 02:20:37	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
43479371	2020-12-09 02:19:02	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
39247571	2020-10-18 02:30:44	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
39209361	2020-10-18 01:55:08	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
37409591	2020-09-02 01:13:44	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
37409421	2020-09-02 00:58:39	423/MDU/001	423/MDU/001	System Uptime < 30mins (agent restart/reboot)	SNMP device	yellow	Location: CON3D
37409071	2020-09-02 00:43:19	423/MDU/001	423/MDU/001	System Uptime < 15mins (agent restart/reboot)	SNMP device	orange	Location: CON3D
34909021	2020-06-25 09:43:05	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
34908551	2020-06-25 09:40:56	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
34799071	2020-06-23 09:06:42	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
34798331	2020-06-23 09:02:41	423/MDU/001	423/MDU/001	System Uptime < 30mins (agent restart/reboot)	SNMP device	yellow	Location: CON3D
34797891	2020-06-23 09:02:04	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D

Showing 1 to 16 of 16 entries Previous Next

After setting monitoring point thresholds the system can then generate “Events”. Those events that cross warning or critical thresholds will eventually turn into “Alarms”.



POWER USAGE

MAIN STUDIOS 6.18kW

PCR0A DESK1 577W	PCR0A STACK1 1108W	PCR0A DESK2 477W	VIS0A DESK1 546W
GAL2A DESK1 628W	GAL2A STACK1 1007W	GAL2A DESK2 374W	
GAL2B DESK 1236W	GAL2B RACK 254W		

STREAMING 3.90kW

MCA DESK1 363W	MCA DESK2 284W	MCA DESK3 315W	MCA DESK4 234W	MCA RACK1 590W
MCA RACK2 120W	MCA RACK4 591W	FILE HUB SUP 419W	FILE HUB DESK1 164W	FILE HUB DESK2 175W
FILE HUB DESK3 193W	FILE HUB DESK4 183W	FILE HUB DESK5 173W	FILE HUB DESK6 163W	

BROADCAST 1.53kW

CON 3A 486W	CON 3B 499W	CON 3C 46W	CON 3D 481W
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PODCASTS 12.19kW

CTL1A 949W	CTL1B 852W	CTL1C 949W		
STD1A 747W	STD1B 643W	STD1C 746W		
FSTD1A 861W	FSTD1B 924W	FWS1A 569W	FWS1B 644W	
AWS1A 402W	AWS1B 389W	DRAMA CTL0A 703W	DRAMA EDIT 291W	
AUD1A 116W	AUD1B 116W	AUD1C 130W	AUD1D 92W	AUD1E 121W
AUD1F 155W	AUD1G 106W	AUD1H 135W	AUD1J 149W	AUD1K 117W
AWS2A 386W	AWS2B 390W	AWS2C 403W	VOB1A 103W	

EDIT/PRODUCTION 18.38kW

MED1A 244W	MED1B 365W	MED1C 367W	MED1D 374W	GRAD3A 876W
EDIT1A 455W	EDIT1B 540W	EDIT1C 505W	EDIT1D 504W	GFXVIEWING 296W
EDIT2A 567W	EDIT2B 158W	EDIT2C 179W	EDIT2D 195W	VOB2A 180W
EDIT3K 186W	EDIT3L 193W	EDIT3M 301W	EDIT3N 238W	EDIT3P 175W
EDIT3Q 189W	EDITS4C 546W	VOB3A 99W	VOB3B 116W	VOB3C 104W
SND3A 1166W	SND3B 1386W	SND3C 946W	SND3D 372W	SND3E 402W

With suitable monitoring equipment it is possible to analyse the operation of all equipment in use across studios and other broadcast areas.



INTERNAL TEMPERATURE

MAIN STUDIOS

PCR0A DESK1 26°C	PCR0A STACK1 32°C	PCR0A DESK2 27°C	VIS0A DESK1 32°C
GAL2A DESK1 32°C	GAL2A STACK1 33°C	GAL2A DESK2 31°C	
GAL2B DESK 34°C	GAL2B RACK 37°C		

STREAMING

MCA DESK1 33°C	MCA DESK2 31°C	MCA DESK3 31°C	MCA DESK4 29°C	MCA RACK1 35°C
MCA RACK2 38°C	MCA RACK4 42°C	FILE HUB SUP 32°C	FILE HUB DESK1 32°C	FILE HUB DESK2 33°C
FILE HUB DESK3 29°C	FILE HUB DESK4 31°C	FILE HUB DESK5 30°C	FILE HUB DESK6 32°C	

BROADCAST

CON 3A 34°C	CON 3B 35°C	CON 3C 38°C	CON 3D 35°C
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EDIT/PRODUCTION

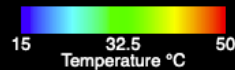
MED1A 33°C	MED1B 32°C	MED1C 34°C	MED1D 33°C	GRAD3A 33°C
EDIT1A	EDIT1B	EDIT1C	EDIT1D	GFXVIEWING

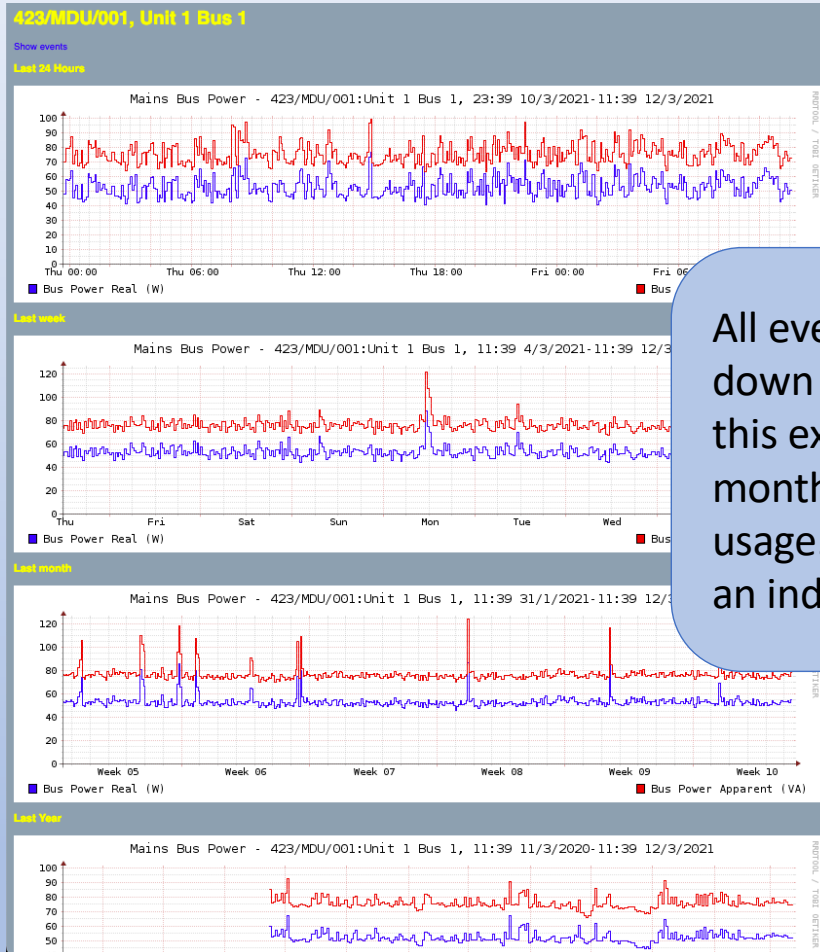
PODCASTS

CTL1A 42°C	CTL1B 46°C	CTL1C 43°C		
STD1A 40°C	STD1B 36°C	STD1C 40°C		
FSTD1A 47°C	FSTD1B 47°C	FWS1A 35°C	FWS1B 35°C	
AWS1A 42°C	AWS1B 29°C	DRAMA CTL0A 41°C	DRAMA EDIT 35°C	
AUD1A 31°C	AUD1B 29°C	AUD1C 33°C	AUD1D 31°C	AUD1E 36°C
AUD1F 30°C	AUD1G 32°C	AUD1H 34°C	AUD1J 31°C	AUD1K 30°C
AWS2A 39°C	AWS2B 44°C	AWS2C 34°C	VOB1A 32°C	

Temperature is not always an indication of a fault, but understanding what the root cause might be, can lead to better thermal management and optimisation, perhaps by spreading load, reducing operational wear and air conditioning costs.

31°C	30°C	33°C	32°C	34°C
EDIT3K 34°C	EDIT3L 36°C	EDIT3M 32°C	EDIT3N 31°C	EDIT3P 34°C
EDIT3Q 32°C	EDITS4C 31°C	VOB3A 37°C	VOB3B 38°C	VOB3C 37°C
SND3A 33°C	SND3B 35°C	SND3C 32°C	SND3D 31°C	SND3E 35°C





All events, alarms and displays allow you to drill down to look at the detail of what is going on. In this example it is apparent from the weekly and monthly displays that there are spikes on mains usage. They may well be harmless, or they may be an indication of loss of power elsewhere!

Any Questions?

- We would be pleased to answer questions and explore possible use cases:
 - [email vivg@layer3.co.uk](mailto:vivg@layer3.co.uk)
 - or call 0208 769 4484.
- Please contact us directly if you have more in depth questions or would like to discuss requirements or ideas in more detail.
- Demonstrations can be arranged at your request...

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