

Enterprise Monitoring

CustardWare V6.0

Monitoring a large network.

Enterprise Monitoring

CustardWare is designed to support very large networks.

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

“If you are monitoring and managing a large network – you should be looking at CustardWare.”

Head of Engineering – Large Media Company



V6 CustardWare is designed to be very scalable and to handle very large networks. It can provide considerable detail in a highly condensed way. It provides a very complete record of the state of a network allowing better understanding of its operation.

SNMPdevice	SNMP device	o SNMPDevices	1	1	2248
citrixapp	Citrix Application	o CitrixApps	0	0	0
normonpoller	Normon Poller	o NormonPollers	1	0	7
normonuser	Normon User	o NormonUsers	1	0	124
SNMPapps	CPU monitor	o SNMPCPU	0	0	0

ciscoCobQosObjTree	Cisco Class-based QOS Object Tree	o_ciscoCobQosObjTree	0	0	487952
profilesVRFcommunity	VRF SNMP community for profiles	o_profilesVRFCommunities	0	0	53
o_clscroRuMonAdmEntries	Cisco RTT Monitoring definition entries	o_ciscoRttMonAdmEntries	0	0	1651

o_configVars	Config Variables	o_configVars	0	0	5
nestedSets	Nested sets	o NestedSets	0	0	2
nestedSetNodes	Nested set nodes	o NestedSetNodes	0	0	1815
containerDefns	DEF Defn Container	o ContainerDefns	0	0	1
containerDefPlacemarks	DEF Placemark	o ContainerDefPlacemarks	0	0	0
containerSuppliers	Supplier	o ContainerSuppliers	0	0	0
vrrpInterface	VRRP Interface	o VRRPInterfaces	0	0	0
propCiscoChassisCard	Cisco Chassis	o PropCiscoChassisCards	0	0	0
propCiscoChassis	Cisco Chassis	o PropCiscoChassis	0	0	0
propCiscoStack	Cisco Stack	o PropCiscoStacks	0	0	0
propCiscoMemPool	Cisco Memory	o PropCiscoMemPools	0	0	0
propCiscoModule	Cisco Module	o PropCiscoModules	0	0	0
capability	Capability on	o Capabilities	0	0	0
bgpPeer	BGP Peer	o BGPPeers	0	0	0
ipv6Interface	IPv6 Interface	o IPv6Interfaces	0	0	0
isisAdjacency	ISIS Adjacency	o ISISAdjacencies	0	0	0
isisAdjacencyEntry	ISIS Adjacency	o ISISAdjacencyEntries	0	0	0
isisNet	ISIS NET	o ISISNets	0	0	0
mplsLdpEntry	MPLS LDP Entry	o MPLSLdpEntries	0	0	0
mplsLdpPeerSession	MPLS LDP Peer	o MPLSLdpPeerSessions	0	0	0
mplsLdpPeer	MPLS LDP Peer	o MPLSLdpPeers	0	0	0
ipv4Interface	IPv4 Interface	o IPv4Interfaces	0	0	0
frStorage	HostResources storage	o FrStorages	0	0	0
frDevices	HostResources devices	o FrDevices	0	0	0
frSWInstalled	HostResources installed software	o FrSWInstalled	0	0	0
frSWRun	HostResources Running software	o FrSWRun	0	0	0
profile	Poling profile	o Profiles	0	0	9
vrf	VRF	o VRFS	0	0	1784
ciscoCobQosConfigEntries	Cisco Class-based QOS config entries	o_ciscoCobQosConfigEntries	0	0	22823
ciscoCobQosObjTree	Cisco Class-based QOS Object Tree	o_ciscoCobQosObjTree	0	0	487952
profilesVRFCommunity	VRF SNMP community for profiles	o_profilesVRFCommunities	0	0	53
o_ciscoRttMonAdmEntries	Cisco RTT Monitoring definition entries	o_ciscoRttMonAdmEntries	0	0	1651
ciscoCobQosMatch	Cisco Class Match Policy entries	o_ciscoCobQosMatches	0	0	18186
ciscoCobQosQueue	Cisco Queueing Policy entries	o_ciscoCobQosQueues	0	0	3325
ciscoCobQosSet	Cisco Packet Marking Policy entries	o_ciscoCobQosSets	0	0	0
ciscoCobQosStmMatch	Cisco Statement Match Policy entries	o_ciscoCobQosStmMatches	0	0	0
ciscoCobQosPolice	Cisco Class Police Policy entries	o_ciscoCobQosPolicies	0	0	0
ciscoCobQosRED	Cisco Random Early Detection Policy entries	o_ciscoCobQosREDS	0	0	0
ciscoCobQosShaping	Cisco Shaping Policy entries	o_ciscoCobQosShapings	0	0	0
ciscoCEFAd	Cisco Express Forwarding Agency entries	o_ciscoCEFs	0	0	0
nestedSetContainerMembers	Nested set container members	o NestedSetContainerMembers	0	0	0
containerPWChangeGroups	Password Change Group Containers	o ContainerPWChangeGroups	0	0	0
VLANbridgeTableEntry	VLAN Bridge Table entry	o VLANbridgeTableEntries	0	0	0
ip6pimIn	IPv6 PIM Interface	o IP6pimIns	0	0	0
ciscoMemBuffers	Cisco Memory Buffer table entries	o_ciscoMemBufs	0	0	0
ciscoCryptoMap	Cisco Cryptomaps Table entries	o_ciscoCryptoMaps	0	0	0

Here you can see views of all the different types of SNMP MIB information available.

The Loaded Device Module data lists all the CustardWare modules associated with the devices being monitored.

Loaded Device Modules:

#	Module	Description	Author	Version	Protocol
51332	SNMP	Generic SNMP	Layer3 Systems	1	Simple Network Management Protocol
51342	SNMP::Cisco	Cisco Module	Layer3 Systems	1	Simple Network Management Protocol
51352	SNMP::Juniper	Juniper Module	Layer3 Systems	1	Simple Network Management Protocol
51422	SNMP::Paloalto	Paloalto Base Module	Layer3 Systems	1	Simple Network Management Protocol
51423	SNMP::MCAfee	MCAfee Base Module	Layer3 Systems	1	Simple Network Management Protocol
51424	SNMP::Palo	Palo Base Module	Layer3 Systems	1	Simple Network Management Protocol
51472	SNMP::Zte	Zte Base Module	Layer3 Systems	1	Simple Network Management Protocol
51482	SNMP::Aruba	Aruba Base Module	Layer3 Systems	1	Simple Network Management Protocol
51483	SNMP::NetBotz	NetBotz Base Module	Layer3 Systems	1	Simple Network Management Protocol
51502	SNMP::CMC-Hera	CMC-Hera Base Module	Layer3 Systems	1	Simple Network Management Protocol
51512	SNMP::Aravia	Aravia Base Module	Layer3 Systems	1	Simple Network Management Protocol
51522	SNMP::Harmonics	Harmonics Base Module	Layer3 Systems	1	Simple Network Management Protocol
51532	SNMP::Checkpoint	Checkpoint Base Module	Layer3 Systems	1	Simple Network Management Protocol
51542	SNMP::IPSO	IPSO Base Module	Layer3 Systems	1	Simple Network Management Protocol
51552	SNMP::WTT	WTT Base Module	Layer3 Systems	1	Simple Network Management Protocol
51562	SNMP::HefineEnterprise8072	Enterprise 8072 Base Module	Layer3 Systems	1	Simple Network Management Protocol
51572	SNMP::Exorby	Exorby Base Module	Layer3 Systems	1	Simple Network Management Protocol

Custard Statistics:

Database Objects:

Object Type	Number of Objects
BGP Peer	148
Capability object	28276
Cisco Chassis	2545
Cisco Chassis Card	5154
Cisco Class Match Policy entries	18196
Cisco Class Policy entries	11022
Cisco Class-based QoS config entries	32823
Cisco Class-based QoS Object Tree	487952
Cisco Cryptomaps Table entries	818
Cisco Express Forwarding Asstomony entries	112020
Cisco Memory Buffer Table entries	32925
Cisco Memory Pool	2347
Cisco Module	2445
Cisco Packet Marking Policy entries	2381
Cisco Queuing Policy entries	2325
Cisco Resource Entry Resource Policy entries	1
Cisco RTT Monitoring definition entries	1651
Cisco Shaping Policy entries	265
Cisco Stack	2439
Cisco Statement Match Policy entries	14694
Config Variables	5
Custard Beacons	1
GE Link Containers	478
GE Placemak Containers	107
Hardware	418173
Interface	390768
IPv4 Interface	22783
IPv4 PMF Interface	2007
IPv4 Subnet	121981
IPv6 Interface	15
MIB System MIB	2744
MPLS LDP Entity	1
MPLS LDP Peer	1
MPLS LDP Peer Session	1
Nested set container members	20008
Nested set nodes	1815
Nested sets	2
Network Group	7
Normal User	128
OSPF Interface	11171
OSPF Router ID	11171
OSPF subnet	11171
Password Change	53
Policy profile	3640
SNMP device	
Supplier	
VLAN	
VLAN Group	
VLAN Member	
VLAN Member	
VRRP BND	2356798
VRRP Intf	
Total Objects	

Search:

Here you can see examples of how CustardWare is capable of handling over 2 million monitored points.

CustardWare only requires an IP address and security credentials and the device is then automatically monitored.

Device details for AF-GBB4-YE4

Polling Details

Name	Object ID	Polling Type	NW Support	SN Support	SNMPPolling Address
AF-GBB4-YE4	20329416	SNMP	Enabled	Enabled	10.55.255.14

System Table

Name	Value
Name	AF-GBB4-YE4
Manufacturer	Cisco
Model	Cisco Systems, Inc. Catalyst 8500 enhanced 9 slot
Firmware version	12.2(33)BX4
Serial Number	FOX1515G4ZY
Description	Cisco IOS Software, 872033-IP Software (872033-IP-IPSERVICEK9_WAN_M), Version 12.2(33)BX4, RELEASE SOFTWARE (IOS) Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2010 by Cisco Systems, Inc. Compiled Sat 29-May-10 17:56 by prod.
Location	Enfield
Contact	AF-GBB4-YE4@custardware.com
OID	1.3.6.1.4.1.81832
Physical port count	0
Up time at last configuration poll	399 days 12 hours 26 minutes
Last successful configuration poll	2020-11-18 14:27:38
Last successful status poll	2020-11-18 15:55:39

Physical/Logical Table

#	Name	Alias	MTU	Speed	D	P	Address	A	O	Connects To	VLANs	LAG	if	bit/s	in%	out%	In Policy
1	GigabitEthernet1/1	Weather	9216	1G			0e1f30230			388							
2	GigabitEthernet1/2	NewsWeather_NIC1	9216	1G			0e1f30231			388							
3	GigabitEthernet1/3	NewsWeather_NIC1	9216	1G			0e1f30231			388							
4	GigabitEthernet1/4	NEWSWEAT_NIC1	9216	1G			0e1f30231			388							

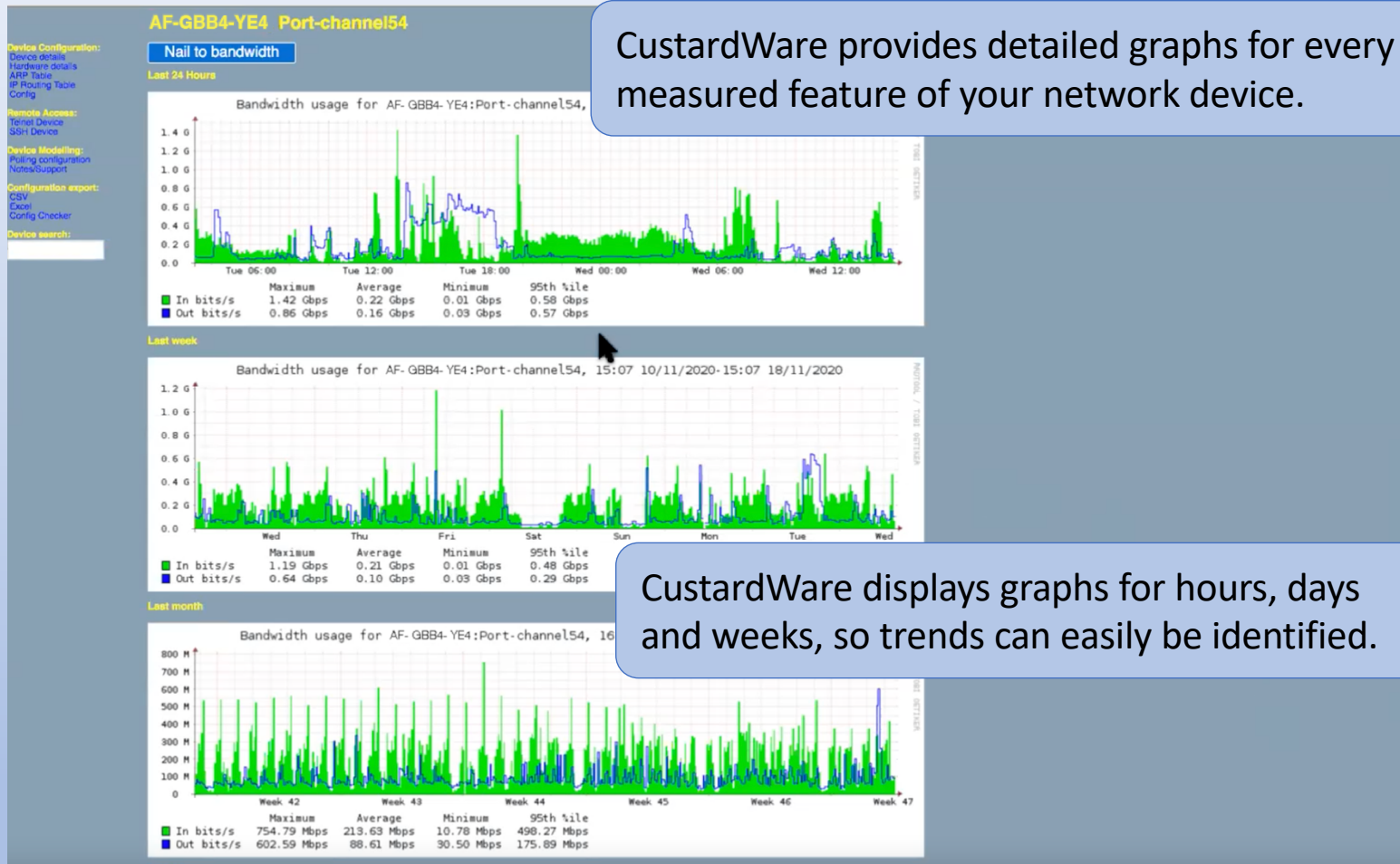
CustardWare offers complete device details for every device on your network.

#	Name	Alias	MTU	Speed	D	P	Address	A	O	Connects To	VLANs	LAG	if	bit/s	in%	out%	In Policy
1	GigabitEthernet1/1	ManagementOffice1	9216	1G			0e1f30230			388							
2	GigabitEthernet1/2	MeetingRoom2	9216	1G			0e1f30231			388							
3	GigabitEthernet1/3	Helpdesk3	9216	1G	F		0e1f30232			389							

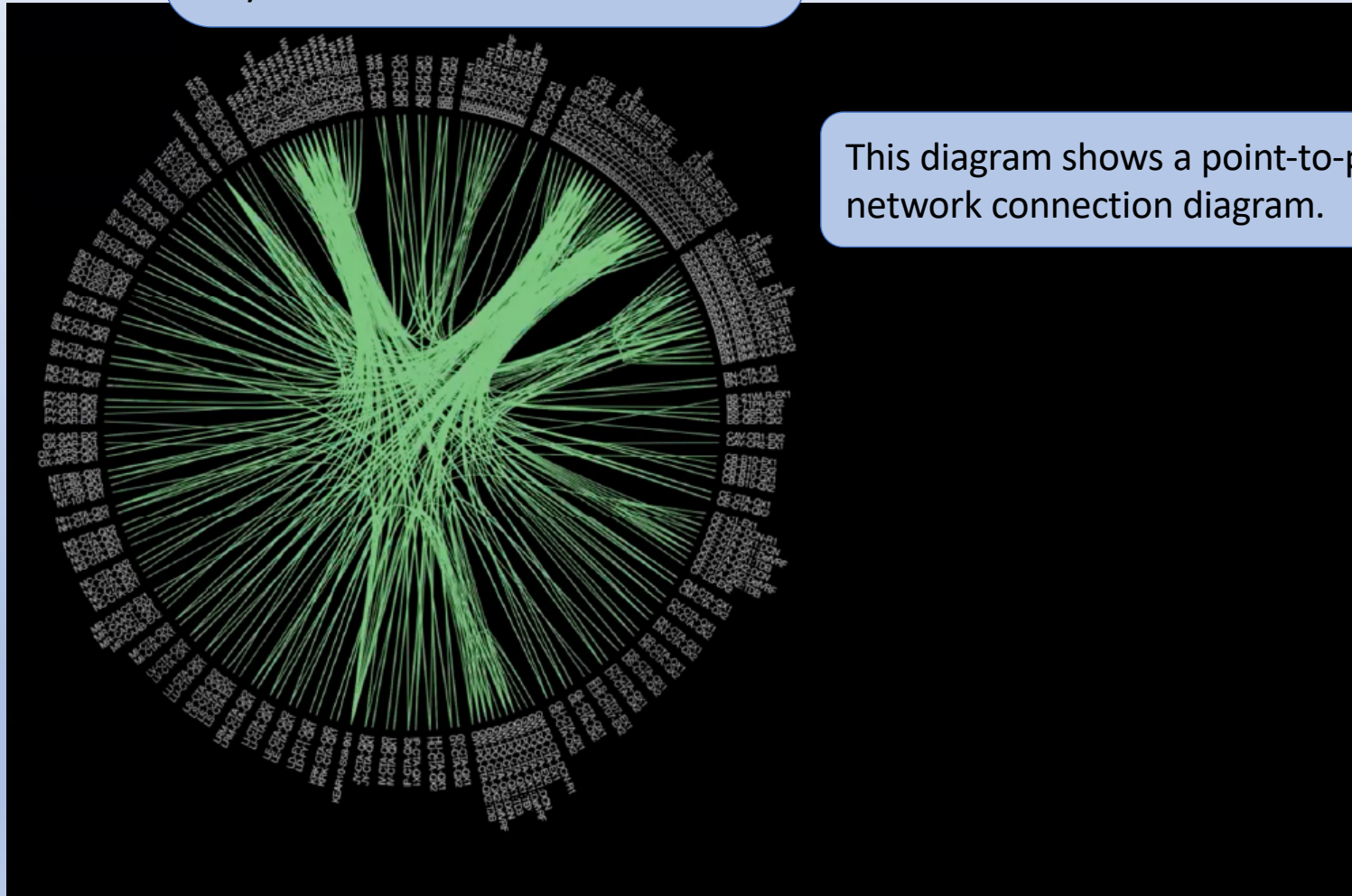
CustardWare allows you to quickly explore common functionality in your network device, such as Duplex, PoE or VLAN support as shown here, and can be extended to cover novel features

32	GigabitEthernet1/32	FWW1030_MonPhysic_1	9216	1G			0e1f30231			563							
33	GigabitEthernet1/33	FBGW1VWTRB001_L0	9216	1G			0e1f30230			563							
34	GigabitEthernet1/34	FBGW1FVZV2001_D1	9216	1G			0e1f30231			563							
35	GigabitEthernet1/35	FBGW1FVZV2003_D1	9216	1G			0e1f30231			563							
36	GigabitEthernet1/36	FBGW1FVZV2004_D1	9216	1G			0e1f30231			563							
37	GigabitEthernet1/37	FBGW1FVZV2002_D1	9216	1G			0e1f30231			563							
38	GigabitEthernet1/38	FBGW1APVZB003_D1	9216	1G			0e1f30231			563							
39	GigabitEthernet1/39	FBGW1GRVZB001_D1	9216	1G			0e1f30231			563							
40	GigabitEthernet1/40	FBGW1GRVZB003_D1	9216	1G			0e1f30231			563							
41	GigabitEthernet1/41	FBGW1GRVZB004_D1	9216	1G			0e1f30231			563							
42	GigabitEthernet1/42	FBGW1GRVZB006_D1	9216	1G			0e1f30231			563							
43	GigabitEthernet1/43	FBGW1GRVZB0P31_D1	9216	1G			0e1f30231			563							
44	GigabitEthernet1/44	FBGW1GRVZB0P32_D1	9216	1G			0e1f30231			563							
45	GigabitEthernet1/45	FBGW1GRVZB0P33_D1	9216	1G			0e1f30231			563							
46	GigabitEthernet1/46	FBGW1GRVZB0P34_D1	9216	1G			0e1f30231			563							
47	GigabitEthernet1/47	FBGW1QBVZB002_D1	9216	1G			0e1f30231			563							

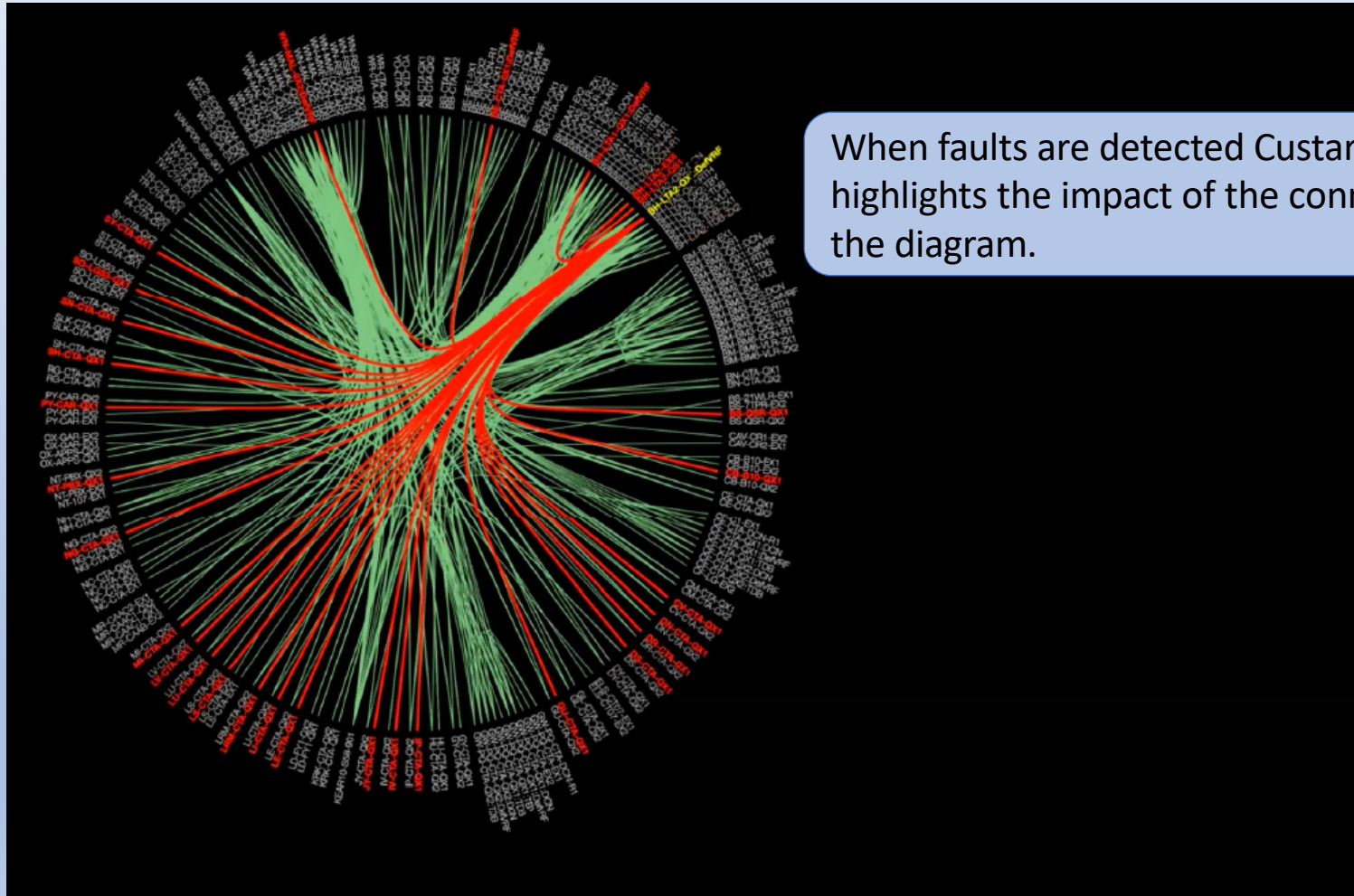
CustardWare displays thumbnail images that show recent trends and allow you to locate full size graphs quickly.



CustardWare supports custom graphics. Given a range of data we can produce some spectacular displays in a very cost effective way!



This diagram shows a point-to-point network connection diagram.



When faults are detected CustardWare highlights the impact of the connection fault on the diagram.

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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