



Questnet Lite 2017

Lightning Round & Discussion:

Using Struxureware – Griffith University

Speaker: Matthew Wren

Griffith University StruxureWare

Data Centre Expert and Operations

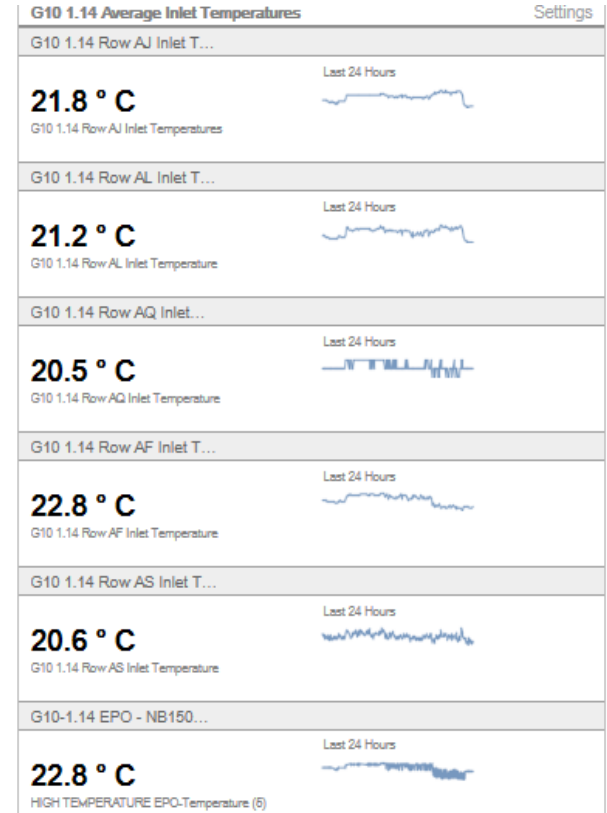
Griffith University uses Schneider/APC Data Centre Expert and Data Centre Operations for all our Data Centers and Telecommunication Equipment Rooms Monitoring, Alerting and Management.



 StruxureWare[®]

Baseline Configuration

- We run DCE and DCO both within a VMWare environment using High Availability for DR abilities.
- Configured through Griffith's core network architecture for the best access via VPN.
- These are secured via a non routable network.



Client or Web interfaces

StruxureWare Data Center Expert 7.4.3 - na-prd-dcmon.corp.griffith.edu.au

File Device Alarm Configuration Reports Updates System Window StruxureOn Help

Monitoring Surveillance Alarm Configuration Reports

Device Groups: AAA - Polaris DC, Data Centre Operations, Gold Coast, G10 1.07, G10 1.10, G10 1.13, G10 1.14, G23 2.19, Logan, Mt Gravatt, Nathan, N06 -2.10, N25 2.07, N34 -2.01e, N34 2.50d, N34 2.51, N34 2.52, N34 2.54, N53 0.15, Southbank, S05 1.03C, S05 1.04A

Type	Status	Model	Hostname	Parent Device
UPS	Normal	Galaxy 3000 20 kVA	03117-ups1.itc.griffith.edu.au	na-prd-dcmon (StruxureWare Data Center Expert)
Battery Manager	Normal		03117-bdl-snmp.itc.griffith.edu.au	na-prd-dcmon (StruxureWare Data Center Expert)
Environmental Monitor	Normal	NetBotz Rack Monitor 200	03108-emu1.itc.griffith.edu.au	na-prd-dcmon (StruxureWare Data Center Expert)

Home Monitoring Event Log Saved Reports Search

+Add Gadget + Options

G10-1.14 Quick Stats

- G10 1.14 Row AF Average Inlet Temperature: 22 °C
- G10 1.14 Row AJ Average Inlet Temperature: 22 °C
- G10 1.14 Row AL Average Inlet Temperature: 21 °C
- G10 1.14 Row AG Average Inlet Temperature: 20 °C
- G10 1.14 Row AS Average Inlet Temperature: 20.5 °C
- G10 1.14 Individual Rack Inlet Temperature: 21.9 °C
- G10-1.14 AF04...: 22.3 °C
- G10 1.14 Average Inlet Temperature: 21.8 °C
- G10 1.14 Row A...: 21.8 °C
- G10 1.14 Flow AS Individual Inlet Temperature: 21.6 °C

Mobile/Tablet friendly

Issues / Changes

- Multivendor DDF file versioning, corruption & measurement units
 - e.g., no mA, Stulz: x10 for temperature, manual OIDs, module number
- Domain name changes migrating to v7.2.7 for DC Mon
- DC Ops limited functionality and support issues without add-on modules
- Schneider /APC local support (Sydney) closed and off-shored
- Multivendor email closed, submit via DCIM support page – faster response
- DC Ops v8.0 database corruption using VM high availability (ok with v8.3)

eWaste - GU Process

- E-Waste collected according to asset disposal policy
 - confirm data on tape or HDDs is wiped – external providers exist
 - E-Waste skip bin on campus
 - Collection companies ensure ethical handling of e-Waste
- Additional e-Waste collection – coinciding with Sustainability Week
- Griffith and Dell Computers ran Queensland's first public e-Waste collection day at the Nathan campus on 13 May 2006.

eWaste – disposal of tape media & servers

When tape media is no longer usable in accordance to the Corporate Backup and Archiving system, or at end of life, physical media will be disposed according to the following process in sequence.

- 1. Tape media identification
- 2. Destruct and disposal mechanism
- 3. Certification of disposal

Servers are disposed via one of three approved processes:

1. Auction by finance
2. Disposal via approved recycler
3. Hard Drives specifically are either wiped in accordance with policy and go with the unit, or if orphaned or unable to be bought online are shredded and disposed by approved vendor

eWaste - Replacement of VRLA batteries

- Often batteries need replacing within the lifecycle of the UPS
 - Require an environmentally safe disposal certificate to be included in your battery replacement specification

BAT REC
WR & SA PARKER
ABN 42 557 099 259

EPA Approved Facility
Phone (07) 3879 4507
Unit 3/60 Coulson Street
WACOL QLD 4076

Waste Tspt Lic. No. CMO402
Fax (07) 3879 4508

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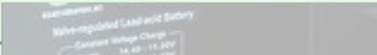
COLLECTED

1 CAGE
5 PAL

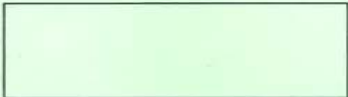
Used Lead Acid Batteries

Date 29-14

FROM



Australian Refined Alloys, Euston Road, Alexandria, N.S.W. Environmental Licence No.001108



Signature



Questions?

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THANK YOU

