The next generation of Data Centres: Certification and Training options

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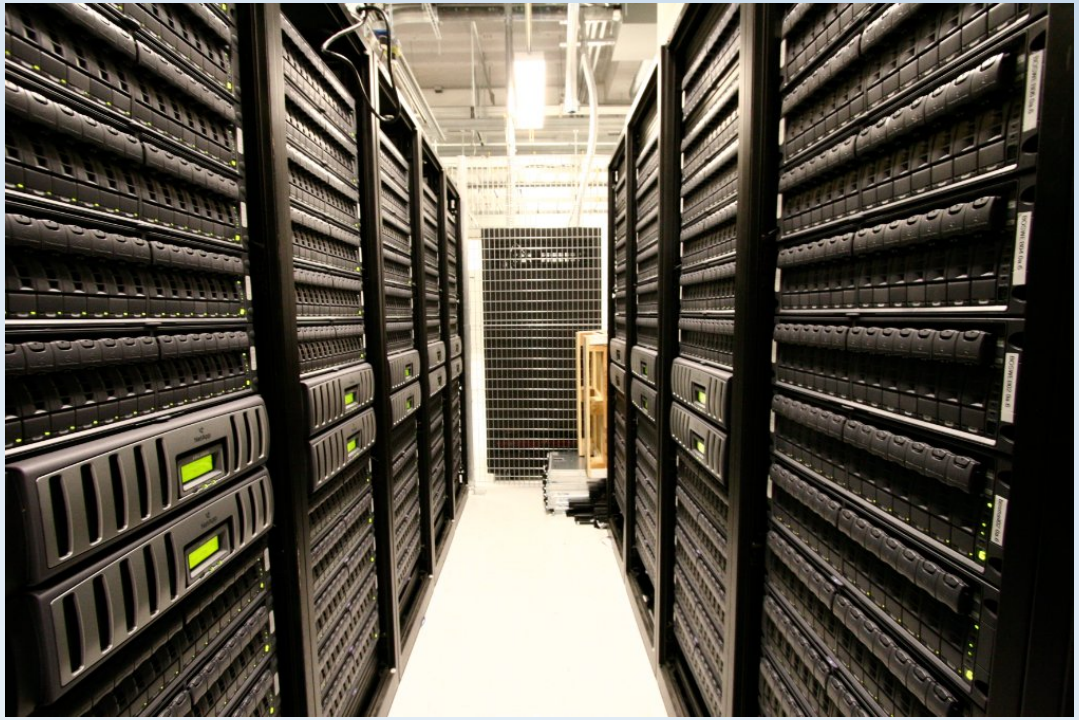

Changing requirements require changing approaches

- Software defined data centres
- Return of the Main Frame
- Edge computing
- Big Data
- IoT

- Open Thinking?
- Open Compute
- Open Source
- Open Stack

What does the future hold for technology

- Uptime Institute
  - Tier I, II, III, IV
- TIA 942
  - ~~Tier 1, 2, 3, 4~~
  - Rated 1, 2 ,3, 4
- BICSI 002
  - Class F0, F1, F2, F3, F4
- CENELEC EN50600
  - Class 1, 2, 3, 4
- IDC-A
  - Class 4, 3, 2, 1
- Switch
  - Data Centre Standards Foundation (Tier 5 Program)
- Underwriters Laboratory
  - UL 3223
- Infrastructure Masons

Who is playing in the certification field

Country specific

- SS 564 – Singapore
- - Mexico
- - China
- - Russia

Energy efficiency

- EU Code of Conduct for DC
  - CEEDA
- World Green Building Council
  - LEED, USGBC
  - BREEAM, UK
  - NABERS, Australia
  - JGDCC, Japan

Other DC accreditations

Security

ISO 27001 - IT Security
ISO 31000 - Risk Management
PCI DSS - Payment Card Industry
SSAE 18 – Finance
ISAE 3402 - Finance

Quality control & Change Management

ISO 9000 – Quality control
ISO 14000 - Environmental
ITIL – IT change management
HIPPA – Health Industry
Sarbanes Oxley (SOX)

Industry driven credential requirements

Traditional topics covered

Power
- UPS, Generators, AC distribution

Cooling
- DX, Chilled Water

Raised Floors

Legacy IT configurations

Future trends

DC Power

Free Cooling

Open Compute

Nano Tube technology

Artificial Intelligence

Virtual and Augmented Reality

Totally software defined and controlled environment

Training requirements for the future

Thank you for listening

Any Questions?